

PERMIT TO CONSTRUCT

New

Renewal

Permit No. 78-251

Modified

Antelope Valley II

(Name of Facility)

This permit hereby authorizes the applicant:

Anderson Jimmy L
(Last) (First) (Middle)
c/o Davis Surveying
610 Butler
(Street or P.O. Box)

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

to construct, install, or modify a Water Supply & Distribution
facility located in Section 13, T49N, R72W
(Legal Description)

in the County of Campbell, 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. Gale
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

August 14, 1978

Date of Issuance

cc: Malcolm Crawford

Note: See condition 1 attached to this Permit.

Condition 1 to Permit to Construct, 78-251

When the second well for the subdivision is drilled, yield and drawdown tests are to be performed, and the sustained yield of the well is to be reported to this Division. If the well does not provide a sustained yield of approximately 175 gpm, a third well must be drilled.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-252R

Chalmers Addition
(Name of Facility)

This permit hereby authorizes the applicant:

Brooks Water and Sewer District
(Last) (First) (Middle)

303 Natrona Avenue
(Street or P.O. Box)

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

to construct, install, or modify a Water Distribution and Sewage Collection
facility located in Sec. 1, T33N., R80W.
(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 S. Gilman Administrator
Water Quality Division
Robert E. Lundin Director
Wyoming Dept. of Environmental Quality

July 19, 1978
Date of Issuance

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

js

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Chalmers Street Water Main - Natrona County

ARCHITECT OR ENGINEER: The Engineers, 644 West 14th, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 78-252

received 21 APR

REVIEWING ENGINEER: ^{TMM} Tom Mueller - William L. Garland, P.E.

DATE OF REVIEW: May 12, 1978

William L. Garland

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

COMMENTS:

GENERAL

Same comments as for Walport Addition. Reference number 78-214.

WATER

Same as comments 1 through 4 for Walport Addition. Reference number 78-214.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-253

Cody Cabinet and Supply
(Name of Facility)

This permit hereby authorizes the applicant:

Gialdini David
(Last) (First) (Middle)

P. O. Box 1467
(Street or P.O. Box)

Cody Park Wyoming 82414
(City) (County) (State)

to construct, install, or modify a Waste Treatment
facility located in Tract 39, Government Resurvey, T53N, R101W
(Legal Description)

in the County of Park, 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 P. Gales
Administrator
Water Quality Division

Robert E. Sunden
Director
Wyoming Dept. of Environmental Quality

May 24, 1978
Date of Issuance

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 78-254R

Westwood Mobile Home Park
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Werkele</u> (Last)	<u>William</u> (First)	<u>F.</u> (Middle)
<u>4732 Greybull</u> (Street or P.O. Box)		
<u>Cheyenne</u> (City)	<u>Laramie</u> (County)	<u>Wyoming 82001</u> (State)

to construct, install, or modify a Mobile Home Park, Public Water Supply
facility located in Section 5, T24N, R61W
(Legal Description)

in the County of Goshen, 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. Paulson
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

September 13, 1978

Date of Issuance

cc: Harold Anderson, County Sanitarian

JS

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Westwood Mobile Home Park - Water System Modifications
Goshen County - W. F. Werkele, 4732 Greybull, Cheyenne, WY 82001

ARCHITECT OR ENGINEER: Dallis B. Saxton - 6208 Moccasin - Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 78-254

REVIEWING ENGINEER: Tom Mueller - William L. Garland, P.E.

DATE OF REVIEW: May 30, 1978

William L. Garland

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- 1). Please indicate the type of pipe to be used in connecting the new well to the existing system.
- 2). Please provide details of the valving for connecting the new well to the system.
- 3). Please indicate that the well has been properly cased and protected, as provided by the State Engineers regulations.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-255

Shaw Duplex Septic Facility
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Shaw</u> (Last)	<u>John</u> (First)	<u>R.</u> (Middle)
<u>P. O. Box 157</u> (Street or P.O. Box)		
<u>Big Horn</u> (City)	<u>Sheridan</u> (County)	<u>Wyoming 82833</u> (State)

to construct, install, or modify a Duplex Residential Septic Wastewater
facility located in Section 4, T54N, R84W
(Legal Description)

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

NOTE: Leach fields should not be located in traffic or parking areas.

Authorized by:

William L. Galand
Administrator
Water Quality Division

Robert E. Lunsin
Director
Wyoming Dept. of Environmental Quality

June 6, 1978

Date of Issuance
cc: Joe Hollingsworth
District Sanitarian

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-256MR

City of Lander/3 Shallow Alluvial Wells
(Name of Facility)

This permit hereby authorizes the applicant:

City of Lander
(Last) (First) (Middle)
c/o Willard Owens Associates
7391 West 38th Avenue
(Street or P.O. Box)

Wheatridge Colorado 80033
(City) (County) (State)

to construct, install, or modify a 3 Shallow Alluvial Wells
facility located in NE $\frac{1}{4}$, SW $\frac{1}{4}$, T33N, R100W, Section 25
(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. Gault
Administrator
Water Quality Division

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

June 16, 1978

Date of Issuance

cc: Honorable Mayor Del McOmie, Mayor of Lander, 183 South Fourth St., Lander, WY

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: City of Lander - 3 Shallow Wells Under Permit Numbers: 42336,
42337 and 42338 - Fremont County

ARCHITECT OR ENGINEER: Willard Owens Assoc. Inc., 7391 West 38th Avenue,
Wheatridge, Colorado 80033

WATER QUALITY DIVISION REFERENCE NUMBER: 78-256M

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

DATE OF REVIEW: May 15, 1978

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- 1). An area of not less than 50 feet in radius from each well shall be set aside and designated for use of the well only, to be assured that no present or future sources of contamination such as sanitary sewers come any closer to the wells.
- 2). Under Chapter III, Wyoming Water Quality Rules and Regulations promulgated under the Wyoming Water Quality Act of 1973 a project of this type shall have its plans and specifications prepared by a registered engineer licensed to practice in the State of Wyoming and the plans and specifications shall carry that engineers seal or signature.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-257

Dairy Bar - Alpine Wyoming
(Name of Facility)

This permit hereby authorizes the applicant:

Carlson Wilbur G.
(Last) (First) (Middle)

(Street or P.O. Box)

Etna Lincoln Wyoming 83118
(City) (County) (State)

to construct, install, or modify a Septic Tank - Leach Field
facility located in Section 29, T37N, R118W
(Legal Description)

in the County of Lincoln, 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. Jorgensen
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

June 14, 1978

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

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-258

Basin Electric Dewatering Well Retention Pond
(Name of Facility)

This permit hereby authorizes the applicant:

Basin Electric Power Cooperative
(Last) (First) (Middle)
1717 East Interstate Avenue
(Street or P.O. Box)
Bismarck North Dakota 58501
(City) (County) (State)

to construct, install, or modify a Dewatering Well Retention Pond
facility located in Section 6, T25N, R65W
(Legal Description)

in the County of Platte, 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. Opala
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

May 15, 1978

Date of Issuance
cc: Banner Associates, Inc., ATTN: Victor Anderson, P. O. Box 550, Laramie,
Wyoming 82070

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

M to S
8-7-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-259RRRR

BALD MOUNTAIN TRAILER COURT

(Name of Facility)

This permit hereby authorizes the applicant:

<u>Ventling</u>	<u>David</u>	<u></u>
(Last)	(First)	(Middle)

<u>Bald Mountain Trailer Court</u>
(Street or P.O. Box)

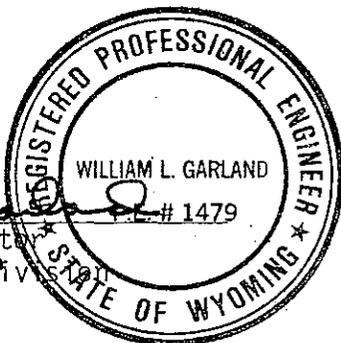
<u>Buffalo</u>	<u>Johnson</u>	<u>Wyoming</u>	<u>82834</u>
(City)	(County)	(State)	

to construct, install, or modify a public water supply and sewage treatment
 facility located in Section 5, T.50N., R.82W.
 (Legal Description)

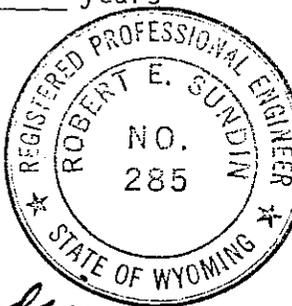
in the County of Johnson, in the State of
 Wyoming. This permit shall be effective for a period of two (2) years
 from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
 Administrator
 Water Quality Division
 # 1479



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



August 6, 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
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Bald Mountain Trailer Court Extension, Buffalo, Wyoming

ARCHITECT OR ENGINEER: Keith A. Neustel, Plains Engineering,
P.O. Box 432, Buffalo, Wyoming 82834

WATER QUALITY DIVISION REFERENCE NUMBER: 78-259RRR

REVIEWING ENGINEER: Dan H. Kim, Jake Strohman, P.E.

DATE OF REVIEW: June 11, 1979

ACTION: Not Authorized for Construction

COMMENTS:

Comment No. 1 of the 4-9-79 review has not been completely answered.

What are the bottom elevations of the first reactor, successive reactors and final clarifier with respect to that of the digester of 56?

It is not clear how the supernatant decant and sewage flow control can be achieved by gravity without having elevation difference among the digester, reactors and successive units. (Note: Your plan sheet No. 6 shows that bottom elevation of the final clarifier is concurrent with that of the digester).

The maximum water level for the first reactor must be lower than invert elevation of the supernatant gate valve or influent pipe, whichever is lower, for adequate supernatant control by gravity.

(Note: This is the follow-up comment sheet, as requested, after phone conversation with the design engineers of Plains Engineering on June 8 and 11, 1979.)

Clay

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Bald Mountain Trailer Court Extension - Buffalo, Wyoming
Johnson County

ARCHITECT OR ENGINEER: Keith A. Neustel, Plains Engineering, P.O. Box 432,
Buffalo, Wyoming 82834

WATER QUALITY DIVISION REFERENCE NUMBER: 78-259RR

REVIEWING ENGINEER: Dan H. Kim *DK*

DATE OF REVIEW: April 9, 1979

ACTION: Not Authorized for Construction

COMMENTS:

1. Is the supernatant return trough with the invert elevation at 60 able to decant the liquor from the upper half of the digester? What is the bottom elevation of the first reactor with respect to that of the digester? A flexible, multi-level supernatant drawoff line is recommended.
2. The 10" influent pipe to the final settling chamber appears to terminate too close to the tank bottom, which may create continuous disturbance of the sludge blanket. A mid-depth discharge with baffles would be more preferable.
3. Plans of operation should be submitted prior to operation of the modified sewage treatment plant. As a minimum, the following are needed to be addressed:

a. Sludge line operation

The Notes in the plans, "Sludge System Operation" indicate that the valves will be operated such that primary sludge only will be allowed to enter the aerated digester. According to our estimation, however, the plant will produce approximately 10 lbs. of excess sludge per day, which should be wasted intermittently or continuously to the digester to balance the BOD and microorganism concentration in the aeration tank. Therefore, the plans to waste excess sludge to the digester should be addressed.

b. Air supply control

Since the primary sludge will substantially increase the oxygen demand in the digester, air supply should be controlled in such a way to make sure to provide sufficient air (35-45 cfm) to the digester.

c. Plans of sampling and testing.

PROJECT: Bald Mountain Trailer Court Extension - Buffalo, Wyoming

COMMENTS (cont.)

Ultimate sludge disposal should be addressed. The ultimate site where the stabilized sludge will be hauled away and disposed of, method of disposal, etc. should be acknowledged and reviewed by Charles Porter with the Department of Environmental Quality Solid Management Program.

5. In our previous review sheets, a comment concerning a provision for disinfecting the water supply system was inadvertently left out. It should be noted that disinfection facility is presently being required for all new or modified water treatment plants. Please provide detail drawing and specifications.

cc: Tom Thelen
Black Hills Power and Light
Hot Springs, S.D. 57747

mailed
10/20/78

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: ~~Bald Mountain Transfer Court Extension, Buffalo, Wyoming
Johnson County~~

ARCHITECT OR ENGINEER: Keith A. Neustel, Plains Engineering, P. O. Box 432,
Buffalo, Wyoming 82834

WATER QUALITY DIVISION REFERENCE NUMBER: ~~78-259R~~

REVIEWING ENGINEER: Dan H. Kim, Tom Mueller, Jake Strohman, P.E.

DATE OF REVIEW: September 28, 1978

ACTION: ~~Not authorized for construction~~

COMMENTS:

Water System

1. The application of chlorine shall be at a rate of no less than 50 mg/l with a residual at the end of 24 hours of no less than 25 mg/l. Please correct the specifications.
2. Please show the termination of tank drain line on the plans.

Sewer System

1. Haul away of unstabilized sludge by a septic tank contractor is not allowed by our Division. A provision to stabilize the sludge, from both the primary tank and secondary treatment plant, (digester or equivalent) must be provided. Ultimate sludge disposal must also be addressed.
2. Activated sludge must be returned from the final settling chamber to the stage No. 1 aeration chamber. Equipment must be provided for this purpose. It is also very strongly recommended that some type of skimming device be installed in the final clarification chamber.
3. Flow measurement device is required at the outlet of the sewage treatment facility.

REVIEW OF PLANS AND SPECIFICATIONS

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

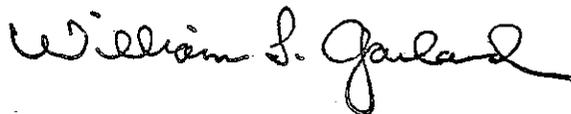
PROJECT: Bald Mountain Trailer Court Extension - Buffalo, Wyoming
Johnson County

ARCHITECT OR ENGINEER: Keith A. Neustel, Plains Engineering, P. O. Box 432,
Buffalo, Wyoming 82834

WATER QUALITY DIVISION REFERENCE NUMBER: 78-259

REVIEWING ENGINEER: Dan H. Kim, Tom Mueller, William L. Garland, P.E.

DATE OF REVIEW: June 16, 1978



ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:
WATER SYSTEM

- 1). Water lines are required to be no less than 2 inches. This requirement includes the lines serving lots 1, 2, 3, 62 and 63. These particular lines are also required to have a blowoff valve for flushing purposes.
- 2). The water distribution system must be disinfected prior to being placed in service.
- 3). An access port and drain should be provided for the pressure tank.
- 4). Please indicate that both tank drains terminate in a screened, downward facing position at least one foot above grade.
- 5). The proposed water system valving does not appear workable, as shown, water will flow back through the booster pumps from the pressure tank whenever the pumps are off. The check valve should be located between the booster pumps and pressure tank. There should also be a bypass around the system, so that the wells can feed directly into the distribution system if necessary.

SEWAGE SYSTEM

- 1). In order for the sewage treatment plant to operate adequately, activated sludge must be returned from the clarification chamber to the stage no. 1 aeration chamber. Equipment must be provided for this purpose. It is also very strongly recommended that some type of skimming device be installed in the clarification chamber.

- 2). The primary clarifier tank is not felt to be necessary, provided the secondary treatment system is constructed and operated properly. It will be allowed however, provided the following provisions are met with:
 - a. The inlet pipe must not be subjected to surcharging (section A-A, Page 5).
 - b. A bypass must be provided to feed directly to the secondary treatment plant.
 - c. The primary clarifier is essentially a septic tank, and odor problems will be serious if the top is open. A sealed or concrete top will be required. Access manholes, with a minimum dimension of 20 inches should be provided over the inlet and outlet.
 - d. The scum baffle should be placed near to the outlet weir, to catch additional scum and avoid inlet plugging.
- 3). How will flow measurement be provided for NPDES permit requirements?
- 4). Details of the chlorination system will be required. Will application be liquid or gaseous, how will equipment be housed, what safety equipment will be provided and/or necessary, etc?
- 5). Where will the "riffle" area be, since the pond is being eliminated? Please provide details on the riffing. Note that if the riffle area will be relied upon for de-chlorination, it must precede the official discharge point.
- 6). This system bears more resemblance to extended aeration than activated sludge, since it lacks internal flow control, adjustable air application, routine sludge wasting, etc. Aeration times of 24 hours are considered standard for extended aeration, as opposed to the 15.8 hours provided by this plant. Since it is an existing plant, this discrepancy will be allowed, provided that the plant meets the limitations of the NPDES permit.
- 7). Ultimate sludge disposal, from both the primary tank and secondary treatment plant, must be addressed. Where will sludge ultimately be disposed of? "It should be noted that sludge stabilization (digestion or equivalent) is presently being required for all new or modified sewage treatment plants".

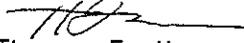
REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: City of Evanston, Water Improvement Project Phase II
Uinta County

ARCHITECT OR ENGINEER: Uinta Engineering, P. O. Box 746, Evanston,
Wyoming 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 78-260

REVIEWING ENGINEER:  Thomas F. Hamm - Don Armstrong, P.E. 

DATE OF REVIEW: May 22, 1978

ACTION: NONE. BEING HELD IN ABEYANCE.

COMMENTS:

Since the majority of this project has been completed no permit to construct can be issued. The method of determining acceptability of the project, other than the line from the trailer park to the 1/4 MG tank site, will have to be discussed. Comments on the submitted drawings and specifications are presented below.

GENERAL

The City of Evanston specifications and standards have not been approved, therefore, until such time as they are approved all data must be delineated in the specifications for the particular job at hand. All references to these standards and specifications must be deleted.

Will the lines as added and changed meet the required fire flow and pressure requirements?

How are these short sections to be pressure tested and disinfected?

SPECIFICATIONS

SP-6:08 -- Thrust block details for each application and each size pipe must be delineated.

SP-6:14 -- Delineate bedding requirements and delineate acceptable bedding.

SP 62-2 -- Second paragraph is totally unacceptable! Pipe must be correctly bedded and covered.

SP 62-3 -- Must as a minimum meet Highway Department standards, delineate.

DRAWINGS - CONTINUED ON NEXT PAGE

PAGE 2

PROJECT: City of Evanston, Water Improvement Project, Phase II

WATER QUALITY REFERENCE NUMBER: 78-260

DRAWINGS

- Water line/sewer line separation and crossings must be addressed at each location.
- Thrust blocking details required.
- All points requiring thrust blocking must be shown.
- Where pipe size changes requires thrust blocking.

Sheet 16 & 17 -- What is the hydraulic affects on flow through such a corner? Would not a smooth curve be more practical and efficient?

Sheet 17 -- Delineate highway crossing.

Sheet 20 -- A 6 inch line ties into a 4 inch and 8 inch line. Is the 8 inch the source line?

PERMIT TO CONSTRUCT

To Lander
11/15/78

New

Renewal

Modified

Permit No. 78-261 RR

CRUDE OIL RECLAMATION PLANT

(Name of Facility)

This permit hereby authorizes the applicant:

H & M OIL

(Last)

(First)

(Middle)

P.O. BOX 831

(Street or P.O. Box)

ROCK SPRINGS

WYO.

82901

(City)

(State)

(Zip Code)

to construct, install, or modify a EVAPORATION POND

facility located in SEC 18 T16N R114W

(Legal Description)

in the County of UINTA, 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 S. Gaudin

Administrator
Water Quality Division

Robert E. Aundin

Director
Department of Environmental
Quality

NOVEMBER 8, 1978

Date of Issuance

229

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING 82520

PROJECT: H & M OIL
CRUDE OIL RECLAMATION PLANT

ARCHITECT OR ENGINEER: BENNETT-BARDER & ASSOCIATES, INC.
P.O. BOX 1324
ROCK SPRINGS, WYOMING 82901

WATER QUALITY DIVISION REFERENCE NUMBER:

78-261R

REVIEWING ENGINEER:

DOUG CRAIG - ROY E. PRIOR, P.E.

D.E. Roy Prior

DATE OF REVIEW:

SEPTEMBER 28, 1978.

ACTION:

NOT AUTHORIZED TO CONSTRUCT

COMMENTS:

1. A leak detection system is necessary below the liner to monitor the possibility of liner failure.
2. A cut-off collar should be considered in the dike siphon line.

Book

REVIEW OF PLANS AND SPECIFICATIONS

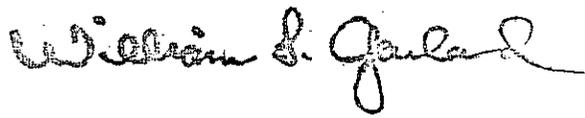
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Hathaway Office Building
Cheyenne, Wyoming 82002

PROJECT: ~~Crude Oil Reclamation Plant~~

ARCHITECT OR ENGINEER: H. J. Kessner, P.E. Bennett-Carder & Associates, Inc.
P. O. Box 1324
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: ~~78-261~~

REVIEWING ENGINEER: Doug Craig



DATE OF REVIEW: 6/19/78

ACTION: ~~NOT AUTHORIZED FOR CONSTRUCTION~~

COMMENTS:

- 1) Typical net evaporation rates in Wyoming are 36 to 40 inches per year. This is equivalent to approximately 0.1 inches/day. Your value of 0.45 inches/day is not acceptable.
- 2) Manufacturer's information is requested for the plastic liner.
- 3) Submit influent piping, transfer cell piping, and siphon details.
- 4) What is the depth to the groundwater in the pond area?
- 5) How will sanitary wastewater from the office be handled? A "Permit to Construct" is needed from this office for the office building wastewater system.

PERMIT TO CONSTRUCT

9/8/78

- New
- Renewal
- Modified

Permit No. 78-262

Nuclear Dynamics Evaporation Reservoir
 (Name of Facility)

This permit hereby authorizes the applicant:

<u>Nuclear Dynamics</u>	<u>ATTN: Albert F. Stoick</u>
(Last)	(First) (Middle)
<u>2871 Sky Harbor Boulevard</u>	
(Street or P.O. Box)	
<u>Phoenix</u>	<u>Arizona 85034</u>
(City)	(County) (State)

to construct, install, or modify a Evaporation Reservoir
 facility located in Section 18, T53N, R67W
 (Legal Description)

in the County of Crook, 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. Galan
 Administrator
 Water Quality Division

Robert E. Hendin
 Director
 Wyoming Dept. of Environmental Quality

August 22, 1978

Date of Issuance

NOTE: See Condition attached to this Permit cc: Dave Myers, Behrents Engineering
 2680 Eighteenth Street
 Denver, CO 80211

Permit No. 78-262

Conditions attached to Water Quality Division Permit To Construct, Reference No. 78-262, issued to Nuclear Dynamics,

The leak detection piping, underlying the evaporation ponds, is to be monitored by a suitable sampling device a minimum of once per week. The monitoring for each pond is to commence at the same time operation of that pond begins. The monitoring for each pond is to be continued until that pond has been reclaimed. Records of the monitoring are to be kept, and made available to inspectors of the Department of Environmental Quality.

If at any time water is detected in the piping, the Water Quality Division is to be notified by telephone as soon as possible. A sample of the water in the piping is to be obtained if at all possible and analyzed for Sulfates, Total Dissolved Solids and if possible Total Radium 226.

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 78-263

Harbison-Fisher Sales Company
(Name of Facility)

This permit hereby authorizes the applicant:

Dimension Systems & Insulation, Inc.

(Last)

(First)

(Middle)

P. O. Box 509

(Street or P.O. Box)

Mills

(City)

(County)

Wyoming 82644

(State)

to construct, install, or modify a Sanitary Septic Tank - Leach Field

facility located in Section 34, T34N, R80W

(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.

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

Authorized by:

William P. Garland

Administrator

Water Quality Division

Robert E. Surdin

Director

Wyoming Dept. of Environmental Quality

June 6, 1978

Date of Issuance

cc: Global Engineering, ATTN: B. F. Cronin, P.E., P. O. Box 532, Casper, WY 82601

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-264

Reno Ranch Evaporation Ponds
(Name of Facility)

This permit hereby authorizes the applicant:

Rocky Mountain Energy, Attn: A. D. Luck
 (Last) (First) (Middle)

4704 Harlan
 (Street or P.O. Box)

Denver, Colorado 80212
 (City) (County) (State)

to construct, install, or modify a wastewater evaporation ponds
 facility located in Sec27 T43N R73W
 (Legal Description)

in the County of Campbell, 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. Gallo Administrator
 Water Quality Division

Robert E. Durbin Director
 Wyoming Dept. of Environmental Quality

6-28-78
 Date of Issuance

Note: See condition attached to this permit.

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

Permit No. 78-264

Condition attached to Water Quality Division permit to construct, Reference No. 78-264, issued to Rocky Mountain Energy.

The leak detection piping, underlying the evaporation and contingency ponds, is to be monitored by a suitable sampling device a minimum of once per week. The monitoring for each pond is to commence at the same time operation of that pond begins. The monitoring for each pond is to be continued until that pond has been reclaimed, as outlined in the application. Records of the monitoring are to be kept, and made available to inspectors of the Department of Environmental Quality.

If at any time water is detected in the piping, the Water Quality Division is to be notified by telephone as soon as possible. A sample of the water in the piping is to be obtained if at all possible, and analyzed for sulfates, total dissolved solids and if possible, total radium 226.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-265M

Wardwell Water & Sewer District
(Name of Facility)

This permit hereby authorizes the applicant:

Wardwell Water and Sewer District
(Last) (First) (Middle)

P. O. Box 728
(Street or P.O. Box)

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

to construct, install, or modify a Water Distribution System
facility located in Lowham Property - Wardwell Water & Sewer District
(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.

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

Authorized by:

William J. Galand
Administrator
Water Quality Division

Robert E. Scardin
Director
Wyoming Dept. of Environmental Quality

May 18, 1978

Date of Issuance

cc: Mr. Paul Lowham, Lowham Associates, Box 567, Casper, Wyoming 82601
Western Engineers-Architects, 501 North Sun Drive, Casper, Wyoming 82601

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Wardwell Water & Sewer District Water Transmission Line to the
Lowham Property - Natrona County.

ARCHITECT OR ENGINEER: Western Engineers-Architects, 501 Sun Drive, Casper,
Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 78-265M

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

DATE OF REVIEW: May 17, 1978

ACTION: AUTHORIZED FOR CONSTRUCTION

COMMENTS:

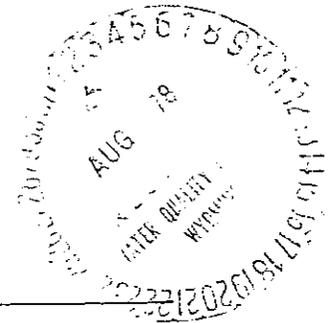
- 1). All AC water mains shall be layed in compliance with the provisions of AWWA standard C603-65* for Installation of Asbestos-Cement Water Pipe.

*Copy enclosed.

- 2). It is recommended that at least 4 wooden supports be provided for the "rigid pipe support through the encasing pipe" at the highway and road crossings. This will assure protection of the water pipe which may change position while being pushed or pulled through the encasing pipe.

cc: Wardwell Water and Sewer District, Box 728, Mills, Wyoming 82644
Paul Lowham, Lowham Associates, Box 567, Casper, Wyoming 82601

PERMIT TO CONSTRUCT



- New
- Renewal
- Modified

Permit No. 78-266R

LUCKY Mc MINE CAMP SEWAGE LAGOON
(Name of Facility)

This permit hereby authorizes the applicant:

Lucky Mc Uranium Corporation
 (Last) (First) (Middle)

P.O. Box 831
 (Street or P.O. Box)

Riverton Fremont Wy 82501
 (City) (County) (State)

to construct, install, or modify a sewage treatment
 facility located in Sec23 T33N R90W
 (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. Galan
 Administrator
 Water Quality Division

Robert E. Sandin
 Director
 Wyoming Dept. of Environmental Quality

7-31-78
 Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Lucky Mc Mine Camp, Sewage Lagoon - Fremont County

ARCHITECT OR ENGINEER: R. W. Poyser, Environmental Engineer, Lucky Mc Uranium Corporation, P. O. Box 831, Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 78-266

REVIEWING ENGINEER: Roy E. Prior - William L. Garland, P.E. *wlg*

DATE OF REVIEW: June 14, 1978

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- 1). What are the design loadings for the lagoon? Provide both hydraulic and biological loading.
- 2). Provide profile of inlet pipe.
- 3). Maximum distance between manholes should be 400 feet.
- 4). The invert of the manhole in the dike should be 6 inches above the high water level.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-267M

Moyle Addition

(Name of Facility)

This permit hereby authorizes the applicant:

Board of Public Utilities

(Last)

(First)

(Middle)

200 North David

(Street or P.O. Box)

Casper

Wyoming 82601

(City)

(County)

(State)

to construct, install, or modify a water & sewer lines

facility located in City of Casper

(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 J. Jala
Administrator
Water Quality Division

Robert E. Sandin
Director
Wyoming Dept. of Environmental Quality

6-28-78

Date of Issuance

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

*mailed to
L. 1/15/79*

- New
- Renewal
- Modified

Permit No. 78-268M

REDSTONE #2

(Name of Facility)

This permit hereby authorizes the applicant:

HARROWER ROBERT A
(Last) (First) (Middle)

P.O. BOX 67
(Street or P.O. Box)

PINEDALE WYO. 82941
(City) (State) (Zip Code)

to construct, install, or modify a WATER & WASTEWATER DISTRIBUTION
facility located in SEC4 T33N R109W
(Legal Description)

in the County of SUBLETTE, 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
Department of Environmental
Quality

JANUARY 3, 1979.
Date of Issuance

14

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Redstone Second Addition - Town of Pinedale
Sublette County

ARCHITECT OR ENGINEER: Rio Verde Engineering, P. O. Box 67, Pinedale, WY 82941

WATER QUALITY DIVISION REFERENCE NUMBER: 78-268M

REVIEWING ENGINEER: Roy E. Prior - William L. Garland, P.E.

DATE OF REVIEW: June 19, 1978

William L. Garland

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Provide a letter from the Town of Pinedale indicating they will provide water and sewer services.

cc: Redstone Corporation
49 East Pine Street
Pinedale, Wyoming 82941

Mailed - 8/25/78

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-269R

Panhandle Eastern Pipeline Co., & Mobile Home Ct.
(Name of Facility)

This permit hereby authorizes the applicant:

Panhandle Eastern Pipeline Company
 (Last) (First) (Middle)

P. O. Box 127
 (Street or P.O. Box)

Brighton Colorado 80601
 (City) (County) (State)

to construct, install, or modify a Lift Station
 facility located in Section 34, T20N, R94W
 (Legal Description)

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

Authorized by:

William L. Garland
 Administrator
 Water Quality Division

Robert E. Lundin
 Director
 Wyoming Dept. of Environmental Quality

August 10, 1978
 Date of Issuance

fresh

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-269

Panhandle Eastern Pipeline Company
(Name of Facility)

This permit hereby authorizes the applicant:

Panhandle Eastern Pipeline Co., B. J. Delap, Region Supt.
(Last) (First) (Middle)

P. O. Box 127
(Street or P.O. Box)

Brighton Colorado 80601
(City) (County) (State)

to construct, install, or modify a Water Distribution, Sewage Collection
facility located in Section 34, T20N, R94W
(Legal Description)

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

Authorized by:

William L. Garland
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

July 13, 1978

Date of Issuance

cc: Nelson Engineering, P. O. Box 1141, Jackson, WY 83001
ATTN: Al Nelson, P.E

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-270R
SEE CONDITION ON BACK

WYMO Coal Mine
(Name of Facility)

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

WYMO Fuels, Inc.

1330 Baltimore Avenue

Kansas City, MO 64105

to construct, install, or modify a septic sewage treatment facility according to the procedures and conditions of the application No. 78-270R. The facility is located in Section 20, T45N, R70W in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

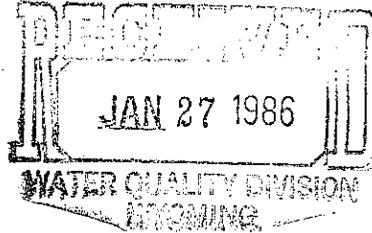
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

 **MORRISON-KNUDSEN ENGINEERS, INC.**
A MORRISON KNUDSEN COMPANY

BOISE REGIONAL OPERATIONS
MINERALS AND ENVIRONMENTAL DIVISION
MORRISON-KNUDSEN PLAZA
P.O. BOX 7808/BOISE, IDAHO U.S.A. 83729
PHONE: (208) 386-5000/TELEX: 368439

January 23, 1986

Department of Environmental Quality
Water Quality Division
Tom Norman
Imperial Plaza
111 East Lincoln Way
Cheyenne, WY 82002



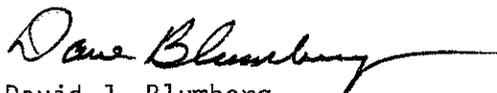
Subject: Septic Sewage Treatment Permit 78-270 R

Dear Mr. Norman:

WYMO Fuels hold permit No. 78-270 R which allows construction of a septic sewage system for a proposed coal mine south of Gillette. The permit expires February 5, 1986. Due to litigation which prevents development of the mine, WYMO has been unable to construct the septic system. In anticipation of initiating construction when the litigation is resolved, WYMO requests an extension of this permit for an additional permit period.

Respectfully,

MORRISON-KNUDSEN ENGINEERS, INC.



David J. Blumberg
Project Manager

DJB:sjr

cc: H. E. Chubb
#1400.3.12

*phoned
Susan Holmes
1-29-86
OK to renew*

PERMIT TO CONSTRUCT

New

Permit No. 78-270R

Renewal

Modified

WYMO Coal Mine
(Name of Facility)

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

WYMO Fuels, Inc.

1330 Baltimore Avenue

Kansas City, Missouri 64105

to construct, install, or modify a septic sewage treatment

facility according to the procedures and conditions of the application

No. 78-270R. The facility is located in Section 20,
T.45N., R.70W.

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

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

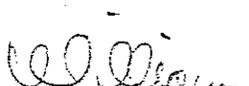
The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

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

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

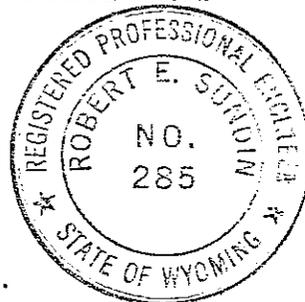
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division
February 5, 1981
Date of Issuance


Director
Dept. of Environmental Quality



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

cc: Morrison-Knudsen Co., Inc.
P.O. Box 7808
Boise, Idaho 83729

PERMIT TO CONSTRUCT

mailed
10/20/78

- New
- Renewal
- Modified

Permit No. 78-270R

WYMO Coal Mine
(Name of Facility)

This permit hereby authorizes the applicant:

WYMO Fuels, Inc.
(Last) (First) (Middle)

1330 Baltimore Avenue
(Street or P.O. Box)

Kansas City, MO, 64105
(City) (County) (State)

to construct, install, or modify a septic sewage treatment system
facility located in Sec. 20, T45N; R70W
(Legal Description)

in the County of Campbell, 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.

cc: Steven Chi
Morrison-Knudsen Company
P. O. Box 7808
Boise, ID 83729

Authorized by:

William L. Garland
Administrator
Water Quality Division

Robert E. Auerin
Director
Wyoming Dept. of Environmental Quality

September 22, 1978

Date of Issuance

Book

REVIEW OF PLANS AND SPECIFICATIONS

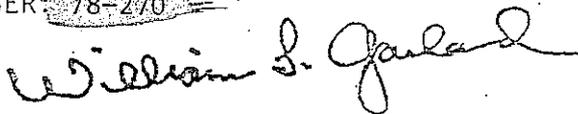
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Hathaway Office Building
Cheyenne, Wyoming 82002

PROJECT: ~~WYMO Coal Mine, WYMO Fuels, Inc.
1330 Baltimore Av.
Kansas City, MO 64105~~

ARCHITECT OR ENGINEER: Morrison-Knudsen Company
P. O. Box 7808
Boise, ID 83729 ATTN: S. Y. Chi

WATER QUALITY DIVISION REFERENCE NUMBER: ~~78-270~~

REVIEWING ENGINEER: Tom Mueller,



DATE OF REVIEW: 6/27/78

ACTION: ~~NOT AUTHORIZED FOR CONSTRUCTION~~

COMMENTS:

1. All plans received must be signed by a Professional Engineer, registered to practice in Wyoming.
2. No permit can be issued until the actual size of the absorption field, based on percolation tests, is defined.
3. Please indicate the ground slope in the leach field area. If it is relatively flat, the ends of the leach field lines should be connected.
4. Estimated daily flow calculations must be provided.
5. Plans, profiles and specifications for the sewage collection system must be submitted before the system can be authorized.
6. Please indicate the depth of any near surface groundwater in the leach field area.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-271

Tanner & Freiburg
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Tanner Freiburg</u> (Last)	<u>Robert Patrick</u> (First) (Middle)	
<u>1731 Kingsboro</u> (Street or P.O. Box)		
<u>Casper</u> (City)	<u>Natrona</u> (County)	<u>Wyoming 82601</u> (State)

to construct, install, or modify a Septic Tank - Leach Field
facility located in Section 20, T34N, 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.

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

Authorized by:

William J. Gales
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

June 6, 1978

Date of Issuance
cc: Western Construction, ATTN: Ed Rate, P.E., P. O. Box 930, Casper, WY 82601
Nix Anderson

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-272

Brubaker Construction Waste Treatment
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Brubaker</u> (Last)	<u>Harry</u> (First)	<u>H.</u> (Middle)
<u>1911 South Cedar</u> (Street or P.O. Box)		
<u>Casper</u> (City)	<u>Natrona</u> (County)	<u>Wyoming 82601</u> (State)

to construct, install, or modify a Waste Treatment
facility located in Section 6, T33N, R80W
(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.

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

Authorized by:

William L. Gula
Administrator
Water Quality Division

Robert E. Scardin
Director
Wyoming Dept. of Environmental Quality

June 6, 1978

Date of Issuance

cc: Western Construction, ATTN: Ed Rate, P.E., P. O. Box 930, Casper, WY 82601

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-273

~~Outfall Subdivision~~

(Name of Facility)

This permit hereby authorizes the applicant:

Carbon County School District #1
(Last) (First) (Middle)

Osborne Building
(Street or P.O. Box)

Rawlins, Carbon, Wyoming 8230]
(City) (County) (State)

to construct, install, or modify a Sewer and Water Subdivision
facility located in Section 9, T21N, R87W
(Legal Description)

in the County of Carbon, 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 P. Jones
Administrator
Water Quality Division

Robert E. Eberlein
Director
Wyoming Dept. of Environmental Quality

July 27, 1978

Date of Issuance

COPY MAIL OUT

6 SEP

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT BROOKS WATER & SEWER J & R ADDITION

J & R Investments
1068 East Yellowstone
Casper WY 82601

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

WATER QUALITY DIVISION REFERENCE NUMBER: 78-274R

REVIEWING ENGINEER: Tom Hamm, Jake Strohman, P.E.

DATE OF REVIEW: 6 Sep 78

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS: Specifications

1. Special Conditions Sched #1- SDR 18 Class 150 PVC is to AWWA C900. Change "C110-64" to "C110-71" and "C104-64" to "C104-74".
2. Sec 2.2- Can a Laser be used for alignment? Recommend Uni-Bell Specs for water and sewer lines. Recommend the owner provide copies of specs to the contractor and the contractor must have specs on site.
3. ALL sewer lines and manholes must be tested. All lines lamp and man-drel tested.
4. Delineate maximum allowable deflection.
5. Under manhole construction- How can six inch rocks be used around a manhole without getting on the pipe? Above the springline is ok.
6. Sect 4- PVC pipe is to AWWA C900 or ASTM 2241.
7. Standard Drawing showing different thrust block applications required.
8. Sect 5- Plastic Water Pipe. Only Plastic pipe to AWWA C900 or ASTM 2241 can be used for water distribution systems. The other types of plastic pipe may be used for service connections.
9. Sect 5- Leak Test. The 3700 denominator is used for mechanical and push on joints while the 1850 is used for caulked joints.
10. Flush all water lines prior to testing.
11. Standard hydrant, corp stop, and valve box drawings are required.
12. Sect 8- Change C110-64 to C110-74. or better yet put a statement in the front of the specs requiring the latest revision of all specs.

JK

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Brooks Water and Sewer District/J & R Addition - Natrona County

ARCHITECT OR ENGINEER: Worthington, Lenhart & Carpenter, 632 South David,
Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 78-274/May 23, 1978

REVIEWING ENGINEER: Thomas F. Hamm - William L. Garland, P.E.

DATE OF REVIEW: June 12, 1978

William L. Garland

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- All water pipe, fittings, valves and hydrants must meet AWWA specifications.
- Chain or cable should not be used to handle pipe.
- All sewer pipe must be I and F leak tested and the line as a minimum lamp tested between manholes with mandrel testing preferred.
- Section 5, Plastic Water Pipe, Laying of Pipe. Delete "pipe shall be snaked into trench to help provide for expansion or contraction". If pipe is bedded, compacted and backfilled correctly then how can "snaking" allow for expansion and contraction? Considering the coefficient of thermal expansion, if the pipe is laid to the 5' depth, what is the temperature cycle the pipe will see in light with the temperature of the water in the pipe during the year?
- Gages for pressure testing must have been calibrated within 90 days prior to testing.
- The formula for pipe testing specified by AWWA is: $Leakage = \frac{ND(P)^{1/2}}{3700 \text{ or } 1800}$. Why is 8000 specified? Specify the test pressure.
- Is there sufficient pressure at the end of the line to provide the commercial establishments and fire flow requirements?
- This may not be construed as a final review. Questions and/or clarifications should be directed to Tom Hamm, (307)777-7781.

mailed -
10/17/78

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-275

~~Wardell Water & Sewer Dist. Coleman Center Water Distribution~~
(Name of Facility)

This permit hereby authorizes the applicant:

Coleman, Earl
(Last) (First) (Middle)

26 Foster Road
(Street or P.O. Box)

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

to construct, install, or modify a water distribution system
facility located in Section 32, T34N, R71W
(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 S. Galas
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

October 6, 1978
Date of Issuance

cc: Rosendahl Engineering, Box 102, Story, Wyoming

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Wardell Water and Sewer District, Coleman Center Water Distribution
Natrona County, Wyoming

ARCHITECT OR ENGINEER: Rosendahl Engineering and Surveying, Box 102,
Story, Wyoming

WATER QUALITY DIVISION REFERENCE NUMBER: 78-275/May 24, 1978

REVIEWING ENGINEER: Robert H. Pinther, P.E., Jake Strohmman, P.E.

DATE OF REVIEW: ~~SEP~~ September 27, 1978/9/8

ACTION: ~~NO~~ Construction Authorized

COMMENTS:

Provide a valve in the proposed 8-inch water main on the north stretch of Coleman Circle Drive loop and more specifically approximately 450 feet east from the intersection of Coleman Circle Drive and Salt Creek Highway. This will satisfy the need for a valve at intervals of no greater than 800 feet in non-commercial districts.

JH

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Colman Center Water Distribution - Natrona County

ARCHITECT OR ENGINEER: Rosendahl Engineering & Surveying, Box 102, Story,
Wyoming 82842

WATER QUALITY DIVISION REFERENCE NUMBER: 78-275/May 24, 1978

REVIEWING ENGINEER: Thomas F. Hamm - William L. Garland, P.E.

DATE OF REVIEW: June 12, 1978

William L. Garland

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

The Wardwell Water and Sewer District specifications have not been approved by this office; therefore all data must be delineated on the drawings and within a specification. Please submit the data required for this project.

This office will gladly review the Wardwell specifications and standards if you will have them submitted.

Questions and/or clarifications should be directed to Tom Hamm, (307) 777-7781.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-276

J. W. Williams Waste Treatment
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Williams</u> (Last)	<u>J.</u> (First)	<u>W.</u> (Middle)
<u>P. O. Box 2106</u> (Street or P.O. Box)		
<u>Casper</u> (City)	<u>Natrona</u> (County)	<u>Wyoming 82601</u> (State)

to construct, install, or modify a Waste Treatment
facility located in Section 20, T34N, 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.

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

Authorized by:

William J. O'Leary
Administrator
Water Quality Division

Robert E. Aundin
Director
Wyoming Dept. of Environmental Quality

June 6, 1978

Date of Issuance

cc: Western Construction, ATTN: Ed Rate, P.E., P. O. Box 930, Casper, Wyoming
82601

Mailed -
8/29/78

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-277R

Donald Roberts Mobile Home Park
(Name of Facility)

This permit hereby authorizes the applicant:

Roberts	Donald	
(Last)	(First)	(Middle)
c/o Wright-McLaughlin Engineers 2420 Alcott Street		
(Street or P.O. Box)		
ATTN: Doug Walcher Denver		
(City)	(County)	Colorado 80211 (State)

to construct, install, or modify a Wastewater Collection & Water Distribution
facility located in Section 21, T56N, R84W
(Legal Description)

in the County of Sheridan, 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. Gale
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

August 8, 1978
Date of Issuance

cc: Dick Horak, TSP Wyoming, 532 Val Vista, Sheridan, WY 82801

Back

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Donald Roberts Mobile Home Park

ARCHITECT OR ENGINEER: TSP Wyoming, 532 Val Vista, Sheridan, WY 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 78-277

REVIEWING ENGINEER: Dan Kim, Tom Mueller



DATE OF REVIEW: 7/5/78

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Water System

1. A water riser of the single-valve, "stop-and-waste" type is unacceptable.
2. Is the 12" water line shown as "by others" on drawing sheet 2 an existing city main?

Sewer System

1. Minimum sewer size for mobile home parks is 6 inches.
2. Cleanouts may not be used if they are more than 150 feet from the next manhole.
3. Minimum allowable slopes for 6 inch sewers is 0.6%. If a lesser slope is to be provided, calculations must be submitted indicating that a velocity of 2 feet per second will be attained.
4. Individual sewer risers must be bedded in a concrete pad at ground level, to be a minimum of 4 inches thick and 12 inches across.
5. The maximum allowable rate of sewer infiltration or exfiltration is 200 gallons per inch diameter per mile per day.

General

1. Please provide a location map for the project.
2. Many of the ASTM Standards referred to in the specifications are outdated. Standards of this type should be referred to "the latest revision".
3. A letter from the City of Sheridan should be provided, indicating that the City can provide adequate water and sewer service to the mobile home park.

cc: Doug Walcher, Wright McLaughlin, 2420 Alcott Street, Denver, CO 80211

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-278R

Riverview Terrace Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Clare</u> (Last)	<u>James</u> (First)	<u>H.</u> (Middle)
<u>Box 493</u> (Street or P.O. Box)		
<u>Casper</u> (City)	<u>Natrona</u> (County)	<u>Wyoming 82601</u> (State)

to construct, install, or modify a Sewerage - Water Distribution
facility located in Sec. 33, T35N, 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:

<u>William S. Garland</u> Administrator Water Quality Division	<u>Robert E. Spindin</u> Director Wyoming Dept. of Environmental Quality
--	--

July 28, 1978

Date of Issuance

JS

REVIEW OF PLANS AND SPECIFICATIONS

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

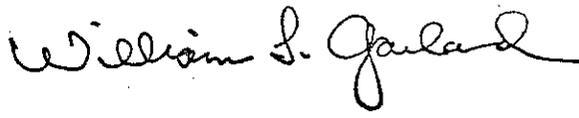
PROJECT: Riverview Terrace Subdivision - Phase II
Fremont County

ARCHITECT OR ENGINEER: Inberg-Miller Engineers, P. O. Box 230, Riverton,
Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 78-278

REVIEWING ENGINEER: Roy E. Prior - William L. Garland, P.E.

DATE OF REVIEW: June 12, 1978



ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- 1). All water lines shall be 6 inch diameter or greater.
- 2). There shall be a fire hydrant, blowoff or flushing hydrant at all dead end lines.
- 3). The flushing valves specified are not acceptable. They should be similar to Mueller #A-24058 not the #A-24039 specified.
- 4). The clearance for water and sewer line crossings is different in the plans and in the specifications. Please clarify.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-279

Water Line Extension on Paul E. Steffey Property
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Steffey</u> (Last)	<u>Paul</u> (First)	<u>E.</u> (Middle)
<u>2148 South Jefferson Street</u> (Street or P.O. Box)		
<u>Casper</u> (City)	<u>Natrona</u> (County)	<u>Wyoming 82601</u> (State)

to construct, install, or modify a Water Line Extension
facility located in Section 6, 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.

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

Authorized by:

William L. Gula
Administrator
Water Quality Division

Robert E. Auerin
Director
Wyoming Dept. of Environmental Quality

June 6, 1978

Date of Issuance
cc: Global Engineering, ATTN: B. F. Cronin, P.E., P. O. Box 532, Casper, WY
82601

PERMIT TO CONSTRUCT

mailed -
9/25/78

- New
- Renewal
- Modified

Permit No. 78-280R

Teton Campground

(Name of Facility)

This permit hereby authorizes the applicant:

<u>Oman</u>	<u>Mike</u>	
(Last)	(First)	(Middle)
<u>3500 E. 18th</u>		
(Street or P.O. Box)		
<u>Casper</u>	<u>Natrona</u>	<u>Wyoming 82501</u>
(City)	(County)	(State)

to construct, install, or modify a Water Distribution System
facility located in Seciton 2, 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 P. Jordan
 Administrator
 Water Quality Division

Robert E. Lundin
 Director
 Wyoming Dept. of Environmental Quality

September 12, 1978

Date of Issuance

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

SP

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Teton Campground, Casper, Wyoming, Section 2, T33N, R79W,
Natrona County

ARCHITECT OR ENGINEER: Drafted by Shields Drafting, Casper. Submitted
by Mike Oman, Owner, 3500 East 18th, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 78-280

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

DATE OF REVIEW: June 6, 1978

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- 1). Plans and specifications must be submitted under the seal and signature of a Professional Engineer licensed to practice in the State of Wyoming.
 - 2). WATER AND SEWER LINES
 - a. Submit material specifications of water and sewer lines.
 - b. Where water and sewer lines cross, the water line shall be above the sewer with a minimum vertical separation of 18 inches between the two.
 - 3). Submit a drawing of a typical manhole to be installed in the project. Submit material specifications on manhole construction
 - 4). Additional information as set forth below is required on the dump station:
 - a. Details on the flush valve - include backflow preventer.
 - b. Details on closing lid.
 - 6). Indicate post construction chlorination of water lines. A minimum of 50 ppm of chlorine shall be held for at least 24 hours in the line and bacteriological sample tested until two (2) safe consecutive samples obtained.
 - 7). This review covers only the water and sewer services for the project. Plans and specifications should be sent to the Wyoming Department of Health and Social Services for review of other health aspects.
- cc: Robert Coffman, Director of Environmental Surveillance & Control, Department of Health and Social Services, Hathaway Building, Cheyenne, Wyoming 82002
- 2 (b) (cont) Submit specifications on water and sewer crossings for both the water line and sewer line.

JS

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Black Hills Trucking Mobile Home Park, P. O. Box 2360,
Casper, Wyoming 82601 - ATTN: Janice Shipley

ARCHITECT OR ENGINEER: NONE INDICATED

WATER QUALITY DIVISION REFERENCE NUMBER: 78-281

REVIEWING ENGINEER: Tom Mueller - William L. Garland, P.E.

DATE OF REVIEW: June 9, 1978

William L. Garland

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

This is a commercial, multi-unit sewage treatment facility. Chapter III, Wyoming Water Quality Rules and Regulations, require that the plans for such a permit application must carry the signature of a Professional Engineer, registered to practice in the State of Wyoming. This application will not be reviewed until this condition is met.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-282

Sostrom No. 1 Reservoir
(Name of Facility)

This permit hereby authorizes the applicant:

Basin Electric Power Cooperative
(Last) (First) (Middle)
1717 East Interstate Avenue
(Street or P.O. Box)
Bismarck North Dakota 58501
(City) (County) (State)

to construct, install, or modify a Earthen Dam
facility located in Section 5, T25N, R65W
(Legal Description)

in the County of Platte, 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. Gaudin
Administrator
Water Quality Division

Robert E. Durbin
Director
Wyoming Dept. of Environmental Quality

June 14, 1978
Date of Issuance

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-283R

City of Casper, Burlington Northern Addition #3
(Name of Facility)

This permit hereby authorizes the applicant:

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 Water Main
facility located in City of Casper
(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 J. [Signature]
Administrator
Water Quality Division

Robert E. [Signature]
Director
Wyoming Dept. of Environmental Quality

July 19, 1978

Date of Issuance

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

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Burlington Northern Addition #3 - Natrona County

ARCHITECT OR ENGINEER: C. O. Anderson, 200 North David, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 78-283

REVIEWING ENGINEER: Thomas F. Hamm - William L. Garland, P.E.

DATE OF REVIEW: June 15, 1978

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

A handwritten signature in cursive script that reads "William L. Garland". The signature is written in dark ink and is positioned to the right of the "DATE OF REVIEW" line. Below the signature, there is a horizontal line that appears to be a signature line or a separator.

COMMENTS:

There are no specifications. Require material specifications and pipe laying specifications.

No review made.

Questions and/or clarifications should be directed to Tom Hamm, (307) 777-7781.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-284
REF. 77-527

Halliburton Services
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Achord</u> (Last)	<u>Bonnie</u> (First)	<u>J.</u> (Middle)
<u>1600 Broadway - Suite 470</u> (Street or P.O. Box)		
<u>Denver</u> (City)	<u>Adams</u> (County)	<u>Colorado</u> (State)

to construct, install, or modify a Waste Treatment
facility located in Section 22, 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. Janda
Administrator
Water Quality Division

Robert E. Sordin
Director
Wyoming Dept. of Environmental Quality

June 14, 1978

Date of Issuance

cc: Halliburton Services, ATTN: Steve Burford, Drawer 1431, Duncan, OK 73533

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-2851
REF. 77-512, 78-154R, 78-211R, 78-312

16-SR2, 16-SR3 and 17-SR1 Reservoirs
(Name of Facility)

This permit hereby authorizes the applicant:

Thunder Basin Coal Company
(Last) (First) (Middle)
ATTN: E. M. Sunwoo, Engineering Supervisor
P. O. Box 1569
(Street or P.O. Box)
Gillette Campbell Wyoming 82716
(City) (County) (State)

to construct, install, or modify a Stormwater Runoff Ponds
facility located in Section 16 & 17, T43N, R70W
(Legal Description)

in the County of Campbell, 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. Gales
Administrator
Water Quality Division

Robert E. Sandin
Director
Wyoming Dept. of Environmental Quality

June 15, 1978
Date of Issuance

cc: Banner Associates, ATTN: J. Lord, P.E., P. O. Box 550, Laramie, Wyoming 82070
Atlantic Richfield, Coal Operations, ATTN: D. R. Christiansen, 1500 Security
Life Building, 1616 Glenarm Place, Denver, CO 80202

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 78-286

D & J Enterprises Waste Treatment
(Name of Facility)

This permit hereby authorizes the applicant:

D & J Enterprises
(Last) (First) (Middle)
155 Sherwood
(Street or P.O. Box)
Casper Natrona Wyoming 82601
(City) (County) (State)

to construct, install, or modify a Waste Treatment
facility located in Section 29, T34N, 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.

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

Authorized by:

William L. Garland
Administrator
Water Quality Division

Robert E. Sardin
Director
Wyoming Dept. of Environmental Quality

June 6, 1978

Date of Issuance

cc: Western Construction, ATTN: Ed Rate P.E., P. O. Box 930, Casper, Wyoming
82601

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-287

I-25 Feed Office

(Name of Facility)

This permit hereby authorizes the applicant:

Alexander
(Last)

Donald
(First)

Doc
(Middle)

Route 1

(Street or P.O. Box)

Douglas
(City)

Converse
(County)

Wyoming 82633
(State)

to construct, install, or modify a Waste Treatment

facility located in NE $\frac{1}{4}$, NE $\frac{1}{4}$ of Section 18, T32N, R71W

(Legal Description)

in the County of Converse, 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 P. Jones
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

June 6, 1978

Date of Issuance

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-288R

Skylane Terrace Subdivision - City of Sheridan
(Name of Facility)

This permit hereby authorizes the applicant:

Perkins	Bill	
(Last)	(First)	(Middle)
c/o VTN Wyoming, Inc.		
330 North Main		
(Street or P.O. Box)		
Sheridan	Sheridan	Wyoming 82801
(City)	(County)	(State)

to construct, install, or modify a Water Distribution & Sewage Collection
facility located in Section 34, T56N, R84W
(Legal Description)

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

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

August 14, 1978
Date of Issuance

Each

[Handwritten initials]

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: ~~Skylane Terrace Subdivision~~

ARCHITECT OR ENGINEER: Pete Van Houten VTN Engineers
330 N. Main St. Sheridan, WY 82801

WATER QUALITY DIVISION REFERENCE NUMBER: ~~78-288~~

REVIEWING ENGINEER: Dan H. Kim

William S. Garland

DATE OF REVIEW: 7/5/78

ACTION: ~~NOT AUTHORIZED FOR CONSTRUCTION~~

COMMENTS:

1. Location map should be provided.
2. A letter of verification is needed from the City of Sheridan, indicating that they can supply adequate water pressure and that they can provide adequate sewage treatment for this subdivision.
3. Ductile Iron Pipe shall conform to AWWA C 151-76. AWWA C 151-71 is outdated. Thickness class 2 has been changed to 52.

B,C

Book

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-289

~~Agate Subdivision~~

(Name of Facility)

This permit hereby authorizes the applicant:

First Southern Baptist Church
 (Last) (First) (Middle)

Fifth & Richards
 (Street or P.O. Box)

Douglas Converse Wyoming 82633
 (City) (County) (State)

to construct, install, or modify a Sewer & Water Lines
 facility located in NE 1/4 of NW 1/4 Section 15, T32N, R71W, 6th PM
 (Legal Description)

in the County of Converse, 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 P. Galand Administrator
 Water Quality Division

Robert E. Sardin Director
 Wyoming Dept. of Environmental Quality

July 13, 1978
 Date of Issuance

JL

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Agape Subdivision - Douglas, Wyoming - Converse County

ARCHITECT OR ENGINEER: Francis-Meanor-Gellhaus, Inc., 1823 West Main,
Rapid City, SD 57701

WATER QUALITY DIVISION REFERENCE NUMBER: 78-289/June 1, 1978

REVIEWING ENGINEER: Thomas F. Hamm - William L. Garland, P.E.

DATE OF REVIEW: June 6, 1978

William L. Garland

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:
SPECIFICATIONS

1.7: What is allowable exfiltration rate?

1.8: Leak test all lines.

11.3.B.B & C: PE & PB water service lines not covered by AWWA C900.
CL160 to ASTM what?

11.5: Top of page TS-15 - If the pipe is laid, bedded, tamped and
backfilled then how can laying it in a zig-zag manner allow for expansion
and contraction? Lay it straight.

11.6: All tees, bends greater than 11-1/2°, plugs and hydrants shall be
provided with reaction blocking, tie rods or joints designed to prevent
movement.

11.7: ". . .to a depth of 6" over the top of the pipe must be finely
divided and free. . ." Do not understand statement, please clarify.

Figure 1, Page TS-17: Add reduction/expansion joints.

11.8: Pressure test to meet AWWA requirements.

$$L = \frac{ND(P)^{\frac{1}{2}}}{3,700}$$

L = allowable leakage in gal/hour.
N = number of joints
D = nominal diameter of pipe in inches
P = average test pressure in psi

PAGE 2

PROJECT: Agape Subdivision

COMMENTS (CONT)

GENERAL - The minimum separation of 10 feet for parallel water-sewer lines is not addressed.

No application for a permit to construct was submitted.

DRAWINGS

Sheet 2: Note 3. There is no AWWA C900 class 160 pipe. SDR 18 is class 150.

The minimum 10 foot separation is not met.

Thrust blocking required where water line ties into existing main.

This may not be construed as a final review.

Questions and/or clarifications should be directed to Tom Hamm, (307)777-7781.

Roach

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-290

Fire Dept. Septic System - City of Gillette
(Name of Facility)

This permit hereby authorizes the applicant:

Fire Department c/o Kanti Patel
 (Last) (First) (Middle)

310 4-J Road
 (Street or P.O. Box)

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

to construct, install, or modify a Sewage Treatment System
 facility located in Section 22, T50N, R72W
 (Legal Description)

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

Authorized by:

William L. Garland
 Administrator
 Water Quality Division

Robert E. Sardin
 Director
 Wyoming Dept. of Environmental Quality

July 7, 1978
 Date of Issuance

Book

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-291

Odd Fellows Sewer Extension
 (Name of Facility)

This permit hereby authorizes the applicant:

Johnson (Last) c/o Kanti Patel 310 4-J Road	Halver (First)	(Middle)
(Street or P.O. Box)		
Gillette (City)	Campbell (County)	Wyoming 82716 (State)

to construct, install, or modify a Municipal Sewer Extension
 facility located in Section 27, T50N, R72W
 (Legal Description)

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

Authorized by:

William L. Garland
 Administrator
 Water Quality Division

Robert E. Lundin
 Director
 Wyoming Dept. of Environmental Quality

July 6, 1978

Date of Issuance

cc: Malcolm Crawford, County Sanitarian
 Jeff Smith, Assistant City Engineer

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-292

Lucky Mc Addition No. 2
(Name of Facility)

This permit hereby authorizes the applicant:

Lucky Mc Uranium Corporation
(Last) (First) (Middle)
550 California Street
(Street or P.O. Box)
San Francisco California 94014
(City) (County) (State)

to construct, install, or modify a Water Distribution and Sewage Collection
facility located in Section 9, T29N, R92W
(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 F. O'Connell
Administrator
Water Quality Division

Robert E. Anderson
Director
Wyoming Dept. of Environmental Quality

June 19, 1978

Date of Issuance

cc: Gingery Associates, Inc., 2840 South Vallejo Street, Englewood, CO 80110

June 14, 1978

Dennis L. Watt
Sweetwater County Planning Director
P. O. Box 791
Green River, Wyoming 82935

RE: Addition of Six Units to the CIG Table Rock Village
Feasibility - Reference Number 78-293

Dear Dennis:

This Department has no objection to adding six additional units to the Table Rock Village water and sewer system.

The existing systems should be able to handle the additional units. No "Permit to Construct" is needed for this expansion since only the addition of service lines is involved.

An inconsistency was noted in the Table Rock water well chemical analysis. By telephone conversation with Steve Rogacki of CIG on June 12, 1978, CIG will re-test well #1 for chemical parameters to make sure the water is potable.

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

Sincerely,



David W. Hill
Environmental Engineer

DWH/do

cc: Colorado Interstate Gas Company, ATTN: Steve Rogacki, P. O. Box 1087,
Colorado Springs, Colorado 80944

mailed
10/20/78

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-294R

Indian Paintbrush Subdivision, Third Filing
(Name of Facility)

This permit hereby authorizes the applicant:

Aveni, Joseph T. and Vicent R.
(Last) (First) (Middle)
5035 Mayfield Road
(Street or P.O. Box)
Lyndhurst Ohio 44124
(City) (County) (State)

to construct, install, or modify a water distribution
facility located in Sec. 33, T.41N, R.117W
(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 S. Garland
Administrator
Water Quality Division

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

September 20, 1978

cc: Nelson Engineering, P.O. Box 1141, Jackson, Wyo. 83001
ATTN: Robert L. Farnsworth, P.E.

Books

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: ~~Indian Paintbrush Subdivision~~
~~Third Filing~~
~~Water System Extension~~

ARCHITECT OR ENGINEER: Robert Fornsworth, P.E. Nelson Engineering
P. O. Box 1141
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 78-294

REVIEWING ENGINEER: David W. Hill

DATE OF REVIEW: 6/19/78

ACTION: ~~NOT AUTHORIZED FOR CONSTRUCTION~~

COMMENTS:

Distribution System

The leakage test should be performed for a minimum of two hours duration in accordance to AWWA C 600.

Booster Station

The intake pressure shall be at least 20 psi when the pump is in normal operation.

The booster station shall have an automatic shutoff at 10 psi suction pressure.

The pumping station shall have a floor elevation at least six inches above grade. (No buried booster pump station).

Provide design information to illustrate that excessive cycling will not take place due to the small difference in start and stop pressures.

REVIEW OF ██████████ FACILITY PLANS

300k

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Hathaway Office Building
Cheyenne, Wyoming 82002
(307) 777-7781

OWNER/APPLICANT: The Aspens - Water & Sewer Line Extensions
Section 11, T41N, R117W Teton County

ADDRESS: Peter M. Jorgensen, P.E.
P. O. Box 1142
Jackson, WY 83301

WATER QUALITY DIVISION REFERENCE NUMBER: 78-295R

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

DATE OF REVIEW: September 7, 1978

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

GENERAL

- 1) A "Permit to Construct" cannot be issued until procedures are taken to upgrade the water and wastewater systems to handle the additional flows.
- 2) The loading analysis for the Aspens sewage treatment plant was not enclosed.

SEWER SYSTEM

- 3) The cover letter indicates each lift pump can pass a three-inch sphere. The specifications indicate a 2½ inch sphere can be passed. Which is correct?

WATER SYSTEM

- 4) The cover letter indicated that fire hydrants or blow offs would be placed at sta. 10 & 30, and 3 & 20 on Lot 11. The drawings do not reflect this.
- 5) A detailed drawing and/or specifications are still needed for the water line crossing of Lake Creek.

ALL REPLIES SHOULD BE DIRECTED TO

DAVE HILL

REF. NO. _____

J Book

REVIEW OF PLANS AND SPECIFICATIONS

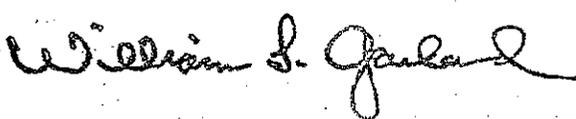
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Hathaway Office Building
Cheyenne, Wyoming 82002

PROJECT: ~~The Aspens~~
~~Water & Sewer Line Extensions~~
~~Sec. 11, T41N, R117W Teton County~~

ARCHITECT OR ENGINEER: Peter M. Jorgensen

WATER QUALITY DIVISION REFERENCE NUMBER: ~~78-295~~

REVIEWING ENGINEER: David W. Hill



DATE OF REVIEW: 6/3/78

ACTION: ~~NOT AUTHORIZED FOR CONSTRUCTION~~

COMMENTS:

GENERAL

1. A "Permit to Construct" cannot be issued until procedures are taken to upgrade the water and sewer systems to handle this addition.
2. The design flow should be no less than 100 gallons per person. (Ten State Standards)

SEWER SYSTEM

Lift Stations

3. Surcharging of upstream manholes is not allowed. The wet well may have to be deeper.
4. All check valves and gate valves must be located out of the wet well.
5. In order to prevent solids deposition, the wet well shall have not less than a 1 to 1 slopte to the hopper bottom.
6. Each lift pump must be capable of passing a three inch sphere.
7. Address power outages.
8. Are the pumps readily removable and replaceable without dewatering the wet well?

SEWER LINES

9. Branch wyes should be used and not saddle wyes.

WATER SYSTEM

10. A blowoff or hydrant is needed at Station 10 & 30 and Station 3 & 20, Lot 111

11. Submit details for the Lake Creek crossing (Lot 13).
12. More valves should be considered to help minimize inconvenience during maintenance or repair.

PERMIT TO CONSTRUCT

*Mailed -
9/8/78*

- New
- Renewal
- Modified

Permit No. 78-296R

Horn Second Addition
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Horn</u>	<u>John</u>	
(Last)	(First)	(Middle)
<u>P. O. Box 1660</u>		
(Street or P.O. Box)		
<u>Jackson</u>	<u>Teton</u>	<u>Wyoming 83001</u>
(City)	(County)	(State)

to construct, install, or modify a Water Distribution & Sewage Collection
facility located in Section 5, T40N, R116W
(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 J. Jorgensen
Administrator
Water Quality Division

Robert E. Scardin
Director
Wyoming Dept. of Environmental Quality

August 22, 1978

Date of Issuance

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

Town of Jackson, P. O. Box 1687,
Jackson, WY 83001 ATTN: Bruce Dietz

Book

REVIEW OF PLANS AND SPECIFICATIONS

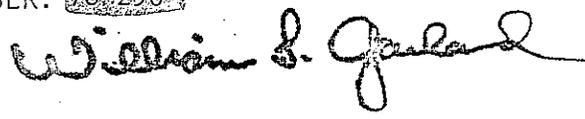
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Hathaway Office Building
Cheyenne, Wyoming 82002

PROJECT: ~~Horn Second Addition, Town of Jackson, Water & Sewer Line Extension
Section 5, T40N, R116W~~

ARCHITECT OR ENGINEER: Peter M. Jorgensen, P.E.
P. O. Box 1142
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: ~~78-296~~

REVIEWING ENGINEER: David W. Hill



DATE OF REVIEW: 6/26/78

ACTION: ~~NOT AUTHORIZED FOR CONSTRUCTION~~

COMMENTS: General

- 1. A letter is needed from the Town of Jackson indicating that they will provide water and sewer service for the subdivision.

Water System

- 2. The open end of the air release valve shall extend to at least one foot above grade and end in a downward turning elbow.

Sewer System

- 3. Testing procedures for infiltration - exfiltration, alignment and deflection testing are needed.
- 4. Wye branches shall be used for service connections.
- 5. A manhole is needed at the intersection of the Josie Lane sewer lane with the existing sewer line or Frontage Road.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-297

O'Connor Septic Tank
(Name of Facility)

This permit hereby authorizes the applicant:

O'Connor John
(Last) (First) (Middle)

P. O. Box 594
(Street or P.O. Box)

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

to construct, install, or modify a Septic Tank
facility located in O'Connor Ranchettes, Section 28, T14N, R68W
(Legal Description)

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

Robert E. Lunden
Director
Wyoming Dept. of Environmental Quality

June 6, 1978

Date of Issuance
cc: Wyoming Water Inc., 1902 Thomes/No. 207, Cheyenne, Wyoming 82001
Don Pack

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

New

Renewal

Permit No. 78-298RR

Modified

KEITH BAIRD SANITARY SEWER

(Name of Facility)

This permit hereby authorizes the applicant:

BAIRD KEITH
(Last) (First) (Middle)

349 N. DOUGLAS ST.

(Street or P.O. Box)

POWELL WYO. 82435

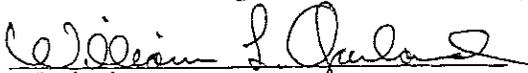
(City) (State) (Zip Code)

to construct, install, or modify a SEWAGE COLLECTION
facility located in LOT 62 T55N R99W
(Legal Description)

in the County of PARK, 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:



Administrator
Water Quality Division



Director
Department of Environmental
Quality

NOVEMBER 30, 1978.

Date of Issuance

DEQ

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING 82520

1-1-78
1-1-78

PROJECT: KEITH BAIRD SANITARY SEWER

ARCHITECT OR ENGINEER: RICHARD E. MYRIC, P.O. BOX 535, POWELL, WYO. 82435

WATER QUALITY DIVISION REFERENCE NUMBER: 78-298R

REVIEWING ENGINEER: ROY E. PRIOR, P.E. *Roy E. Prior*

DATE OF REVIEW: SEPTEMBER 26, 1978

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The slope of the sewer line is too flat. It must be 0.004 or greater.
2. Provide specifications on the water sewer line crossings. The sewer service line in the alley will require water class pipe where they cross the water line.
3. Provide typical drawings of clean-outs, manholes, service taps, etc.
4. Compaction by puddling or flooding is not acceptable.
5. Provide specifications to prevent excessive side-fill pressures or ovalation of the PVC sewer pipe.
6. Infiltration or exfiltration spec.s should be for each section of pipe, i.e., manhole to manhole.
7. Does the infiltration, exfiltration spec.s cover the manholes also?
8. This cannot be considered a final review.

c.c. Keith Baird, 349 N. Douglas Street, Powell, Wyoming 82435.

Book

REVIEW OF PLANS AND SPECIFICATIONS

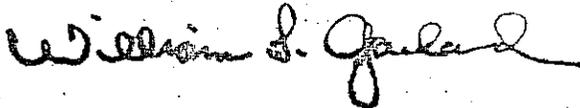
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Hathaway Office Building
Cheyenne, Wyoming 82002

PROJECT: Keith Baird Sanitary Sewer

ARCHITECT OR ENGINEER: Richard E. Myrick, P. O. Box 535, Powell, WY 82435

WATER QUALITY DIVISION REFERENCE NUMBER: 78-298

REVIEWING ENGINEER: Roy E. Prior



DATE OF REVIEW: 6/22/78

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The City of Powell specifications have not been approved by this office. Submit detailed specifications for materials and installation of the sewer pipe.
2. Cleanouts are only allowed on the ends of sewer lines that are 150 feet in length or less. The line proposed will require a manhole on the end.
3. Provide a letter from the City indicating they will provide sewer services.
4. Provide tapping details.
5. Provide location map.
6. When was the water line constructed and what was the number of the permit to construct?
7. This cannot be considered a final review.

cc: Keith Baird, 349 N. Douglas Street, Powell, Wyoming 82435

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. ~~78-299R?~~ 78-299R

Westview Park #1 Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Westview Park Inc.
(Last) (First) (Middle)

P.O. Box 544
(Street or P.O. Box)

Dubois Fremont Wyo. 82513
(City) (County) (State)

to construct, install, or modify a water distribution and sewage collection
facility located in Sec 2, T41N R107W & Sec 35 T42N R107W
(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. Galan
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

7-25-78
Date of Issuance

Book

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Westview Park #1 Subdivision, Water & Sewer Line

ARCHITECT OR ENGINEER: B. F. Crunin, Global Engineering & Land Surveying, Inc.
P. O. Box 532, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 78-299

REVIEWING ENGINEER: Roy E. Prior

William S. Garland

DATE OF REVIEW: 6/29/78

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The water sewer line crossings do not meet the requirements of Section 15, Chapter III, Water Quality Rules & Regulations.
2. Provide typical drawing of service taps. The sewer service taps should be Wye branches not saddles and they should be installed at the same time the main sewer line is laid.
3. Provide infiltration specifications.

cc: Mayor George M. Blevins, Town of Dubois, P. O. Box 456, Dubois, WY 82413
Westview Park, Inc., Box 544, Dubois, WY 82513

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-300 R

Saratoga Inn Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Saratoga Inn Corporation
(Last) (First) (Middle)
E. Pic-Pike Road
(Street or P.O. Box)
Saratoga Carbon Wyoming 82331
(City) (County) (State)

to construct, install, or modify a Water Distribution
facility located in Section 12, T17N, R84W
(Legal Description)

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

Robert E. Austin
Director
Wyoming Dept. of Environmental Quality

June 15, 1978

Date of Issuance

cc: Robert Jack Smith & Associates, P. O. Box 1104, Rawlins, Wyoming 82301
Realignment of water and sewer lines due to subsurface conditions (hard rock) and City
of Saratoga Master Plan implementation.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-300

Saratoga Inn Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Saratoga Inn Corporation
(Last) (First) (Middle)
E. Pic-Pike Road
(Street or P.O. Box)
Saratoga Carbon Wyoming 82331
(City) (County) (State)

to construct, install, or modify a Water Distribution
facility located in Section 12, T17N, R84W
(Legal Description)

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

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

June 15, 1978

Date of Issuance
cc: Robert Jack Smith & Associates, P. O. Box 1104, Rawlins, Wyoming 82301