

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Gas Plant Camp, Amoco Production Company
Natrona County

ARCHITECT OR ENGINEER: Russ Donley, P.E. Western Engineers and Architects, Inc.
2111 East 2nd, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-101

REVIEWING ENGINEER: Jake Strohman, Paul Schwieger, P.E. *JS*

DATE OF REVIEW: May 24, 1976

ACTION: Construction Authorized

COMMENTS:

Consideration should be given to placing bituminous coating over concrete racetrack.

O&M manuals are required. Forward copy to this office for review.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Colony South Addition, Sheridan, Sheridan County

ARCHITECT OR ENGINEER: VTN Wyoming, 330 North Main Street, Sheridan, Wyoming 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 76-102

REVIEWING ENGINEER: *Tom Mueller* Tom Mueller, Paul Schwieger, P.E. *PS*

DATE OF REVIEW: May 17, 1976

ACTION: Not Authorized for Construction. See Comments.

COMMENTS:

1. The sewer line from MH-3 to MH-2 shall be anchored in accordance with Section 25.3 of Ten States Standards.
2. Specifications for water-sewer crossings shall be submitted.
3. No detail for the sewer cleanouts has been submitted. It is recommended that the cleanouts be eliminated from the system, and that manholes be extended to the ends of the lines along Davis Tee and Hill Court.
4. Manholes 6 and 16 shall be shown as being drop manholes on the plans.
5. The sewer line between manholes 8 and 4 exceeds 400 ft. Another manhole shall be placed in the line.
6. The sewer system along Hill Court is shown as being not included in the Contract documents. Will the same specifications apply? Please clarify this matter.
7. Please indicate lot locations and indicate if all lots will be for single family dwellings. If not please submit design flows and lot uses.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-102R

Colony South Addition
(Name of Facility)

This permit hereby authorizes the applicant:

Valley View Associates and E. E. Edwards
(Last) (First) (Middle)
c/o VTN Wyoming, Inc., 330 North Main
(Street or P.O. Box)
Sheridan Sheridan Wyoming
(City) (County) (State)

to construct, install, or modify a Water Distribution and Sewage Collection
facility located in Sections 34 and 35, T56N, R84W
(Legal Description)

in the County of Sheridan, in the State of
Wyoming. This permit shall be effective for a period of 3 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

A. W. Williamson
Director
Wyoming Dept. of Environmental Quality

May 26, 1976
Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Dan Speas Rearing Station, Sewage Disposal Facility

ARCHITECT OR ENGINEER: Robert L. Streater, P.E., 1945 Westwood Hill,
Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-103

REVIEWING ENGINEER: Jake Strohman, Paul Schwieger, P.E. 

DATE OF REVIEW: May 24, 1976

ACTION: Construction not Authorized

COMMENTS:

1. Leach trench shall be a minimum of 10 ft. from the property line.
2. Recommended length for leach field trench is 100 ft. The force main would allow this length to be increased some, but we don't feel as though it could be increased to 500 ft. Could you put two trenches 250 ft.?
3. What is the facility designed for? (Number and type of units served, percolation rates, maximum groundwater level (if less than 8 ft.), any other pertinent design information).

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Amoco Office and Bunk Trailer
Sanitary System, Sec. 27, T20N, R94W, Sweetwater County, Wyoming

ARCHITECT OR ENGINEER: Wayne L. Johnson, Johnson-Fermelia and Crank, Inc.
P.O. Box 1633, Rock Springs, Wyoming 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 76-104

REVIEWING ENGINEER: ^{D. W. H.} David W. Hill, William L. Garland, P.E. *W. J.*

DATE OF REVIEW: May 14, 1976

ACTION: Not Authorized for Construction

COMMENTS:

- 1) At a percolation rate of 10 minutes/inch the minimum area allowed will be 330 square feet.
- 2) We question the depth of the sewer lines. At a 2 foot depth freezing may occur and crushing may easily occur under the roadway section. We would like to see the sewer line laid deeper (3 or more feet).

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Amoco Office and Bunk Trailer, Sanitary System, Sec. 27, T20N, R94W
Sweetwater County, Wyoming

ARCHITECT OR ENGINEER: Wayne L. Johnson, Johnson-Fermelia and Crank, Inc.
P.O. Box 1633, Rock Springs, Wyoming 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 76-104R

REVIEWING ENGINEER: ^{DAH} David W. Hill, William L. Garland, P.E. ^{wlg}

DATE OF REVIEW: May 20, 1976

ACTION: Authorized for Construction

COMMENTS: The minimum allowable leach field size for a 10 minute/inch percolation rate is 330 square feet for an individual sewage disposal system ("Wyoming Water Quality Rules and Regulations, 1976, Chapter III", Appendix B). This same rational should apply to all subsurface disposal systems in order to provide an adequate safety factor.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-104RR

Amoco Office and Bunk Trailers Sanitary System
(Name of Facility)

This permit hereby authorizes the applicant:

Amoco Production
(Last) (First) (Middle)
(Street or P.O. Box)
Wamsutter Sweetwater Wyoming
(City) (County) (State)

to construct, install, or modify a Sanitary System
facility located in Section 27, 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:


Director
Wyoming Dept. of Environmental Quality

September 8, 1976
Date of Issuance

cc: Al Emden, Sweetwater County Sanitarian, P.O. Box 792. Green River, Wyoming 82935

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Shreder Brothers Builders, Water Main Extension, Sheridan County

ARCHITECT OR ENGINEER: VTN Wyoming, 330 North Main Street
Sheridan, Wyoming 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 76-105

REVIEWING ENGINEER: *Tom Mueller* Tom Mueller, Arthur E. Williamson, P.E.
RECEIVED

DATE OF REVIEW: May 11, 1976

ACTION: Not Authorized for Construction

COMMENTS:

1. No detail for the drain valve at Parker and Park Streets has been provided. Moreover, with respect to the system design, it is strongly recommended that the main be looped along Park Street. If for some reason this cannot be done, an explanation shall be required. In such an event, fire hydrants are preferred over drain valves.
2. Groundwater level for these areas shall be submitted. If it lies above the fire hydrants, all hydrant drains shall be plugged.
3. Thrust blocking and valve pad details shall be submitted.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 76-105R

Schreder Brothers Builders Water Main Extension
(Name of Facility)

This permit hereby authorizes the applicant:

VTN Wyoming, Inc. for Schreder Brothers Builders
(Last) (First) (Middle)
330 North Main
(Street or P.O. Box)
Sheridan Sheridan Wyoming
(City) (County) (State)

to construct, install, or modify a Water Main Extension
facility located in Section 22, 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:

A. G. Williamson

J. J.
Director

Wyoming Dept. of Environmental Quality

May 26, 1976

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Halliburton Bachelor Quarter Park
Rock Springs, Wyoming
Sweetwater County

ARCHITECT OR ENGINEER: Johnson-Fermelia and Crank, Inc.
625 Center Street, P.O. Box 1633, Rock Springs, Wyoming
W.P. Renner, Jr., P.E.

WATER QUALITY DIVISION REFERENCE NUMBER: 76-106R

REVIEWING ENGINEER: ^{DWH} David W. Hill, William L. Garland, P.E. *WLG*

DATE OF REVIEW: June 6, 1976

ACTION: Authorization for Construction, Contingent upon meeting the following items.

COMMENTS:

- 1) A 12 inch diameter 4-inch thick concrete pad shall protect the sewer and water risers at the ground surface,
- 2) Two inch diameter water distribution lines should be used. Recommendation only.

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 76-106R

Halliburton Services
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Burford</u> (Last)	<u>Stephen</u> (First)	<u>Alan</u> (Middle)
<u>Box 1431</u> (Street or P.O. Box)		
<u>Duncan</u> (City)	<u>Stephens</u> (County)	<u>Oklahoma</u> (State)

to construct, install, or modify a Industrial Waste Treatment Facility
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 P. Garland
Director
Wyoming Dept. of Environmental Quality

June 2, 1976

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: NINE MILE LAKE ISL
WASTE WATER IMPOUNDMENT

ARCHITECT OR ENGINEER: James M. Tucker, Jr., P.E. Attention: Richard D. Andrews
Rocky Mountain Energy Co.
Lakeside National Bldg.
4764 Harlan Street
Denver, Colorado 80212

WATER QUALITY DIVISION REFERENCE NUMBER: 76-107R

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E.

DATE OF REVIEW: June 7, 1976

ACTION: Construction Authorized

COMMENTS:

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 76-108

Bighorn Beverage Co. Septic System
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Oatts</u> (Last)	<u>J.</u> (First)	<u>Philip</u> (Middle)
<u>1526 S, Mountain View</u> (Street or P.O. Box)		
<u>Sheridan</u> (City)	<u>Sheridan</u> (County)	<u>Wyoming</u> (State)

to construct, install, or modify a Septic Tank System
facility located in Sec. 15, 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:

Arthur E. Williamson

Director
Wyoming Dept. of Environmental Quality

May 14, 1976

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Vanguard No. 2, Mine water Settling Pond and Dam, Hanna, Wyoming

ARCHITECT OR ENGINEER: Plan submitted by Mr. Arnold M. Hannum, Chief Engineer,
Energy Development Company, P.O. Box 36, Hanna, Wyoming 82327

WATER QUALITY DIVISION REFERENCE NUMBER: 76-109

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

DATE OF REVIEW: June 15, 1976

ACTION: Authorized for Construction.

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Water Improvements, Granger, Wyoming, Sweetwater County

ARCHITECT OR ENGINEER: Frank Grimes, Nelson Engineering, P.O. Box 1141
Jackson, Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 76-110

REVIEWING ENGINEER: ^{DWH} David W. Hill, William L. Garland, P.E. ^{WJG}

DATE OF REVIEW: June 9, 1976

ACTION: Not Authorized for Construction.

COMMENTS:

INTAKE PUMPING STATION

- 1) Provide a dimension on the height of the entrance hatch door above the top of the intake pump station. This elevation should be at least one foot above the maximum known flood elevation.
- 2) The intake pump station hatch door shall be a solid watertight cover which overlaps the framed opening and extends down over the frame at least two inches.
- 3) Because the intake pump station is located in the groundwater table, another sump pump will be required. Two sump pumps should be installed with each capable of handling the expected flow. Provision shall be made for proper alternation of the pumps.
- 4) Please explain - Is the intake pump station renovation going to make the entire structure as waterproof as possible.
- 5) Forced venelation will be required for the intake pumping station. Please provide details.

WATER TREATMENT PLANT

- 6) Have you considered a pre-sedimentation process? This would lessen the sediment load on the plant itself, and may reduce alum and polyelectrolite cost.
- 7) Provisions must be made in the water treatment plant building for a future installation of an alternate power source (generator).

PROJECT: Water Improvements, Granger, Wyoming, Sweetwater County

REFERENCE NUMBER: 76-110

- 8) Provide manufacturer's information on the various "package water treatment plants" you intend to use. We must authorize the package plant before we will allow it to be used.
- 9) Please explain how the backwash water is conveyed to the sump. Does it enter from the below grade troughs or from the siphon line?
- 10) Explain which line is used to convey water from the clearwell to the filters for backwashing.
- 11) The clearwell hatch door should be framed at least four inches above the top of the clearwell. This door shall be fitted with a solid watertight cover which overlaps the framed opening and extends down around the frame at least two inches.
- 12) For the "Level Senser Control" specifications on pg. 73, under Operation, do specifications 3 and 4 apply to the intake pumps rather than the treatment plant discharge pumps. Please straighten this out for my benefit.
- 13) State the highest known flood elevation in the area if known. We need assurance that the water treatment plant will not be flooded.
- 14) The plans and specifications must be signed by an engineer who is a registered professional engineer in the State of Wyoming.
- 15) As discussed on the phone, because of the towns financial considerations, DEQ will authorize construction of the facility without the provision of an alternate power source or adequate water storage. However, this system is still unacceptable to us. The engineer should emphasize to the Town that the construction of a storage tank should be the "first" priority for future town improvements.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Water Improvements, Granger, Wyoming, Sweetwater County

ARCHITECT OR ENGINEER: Frank Grimes, Nelson Engineering, P.O. Box 1141,
Jackson, Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 76-110R

REVIEWING ENGINEER: ^{DWH} David W. Hill, William L. Garland, P.E. *WLG*

DATE OF REVIEW: July 27, 1976

ACTION: Authorized for Construction

COMMENTS:

In the best interests of serving the Town of Granger, we are requiring that a short Operation and Maintenance Manual be prepared. This O&M manual can be centered around the manufacturer's O&M manual for the package water treatment plant.

cc: Honorable Shirley E. Lee, Mayor, Town of Granger, P.O. Box 137,
Granger, Wyoming 82934

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-110R

Granger Water System
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Granger
(Last) (First) (Middle)
P.O. Box 137
(Street or P.O. Box)
Granger Wyoming 82934
(City) (County) (State)

to construct, install, or modify a Water System
facility located in Granger, Wyoming
(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. Gable
Director
Wyoming Dept. of Environmental Quality

July 27, 1976

Date of Issuance

cc: Frank Grimes, Nelson Engineering
P.O. Box 1141, Jackson, Wyoming 83001

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Uranium Plant Zone Mine, NE $\frac{1}{4}$, NE $\frac{1}{4}$, Section 32, Township 33 North,
Range 89 West, 6th P.M., Fremont County, Wyoming

ARCHITECT OR ENGINEER: Robert C. Peel, Environmental Engineer, Federal American-
Partners, Gas Hills Star Route, Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 76-111

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. *wsg*

DATE OF REVIEW: June 2, 1976

ACTION: Not Authorized for Construction

COMMENTS:

As discussed on the phone, more details are needed for an adequate review of the treatment system. Detailed plans and complete specifications for the construction of the well water treatment system are needed. The plans and specifications submitted shall carry the seal or signature of the designing engineer who shall be a registered engineer in the State of Wyoming.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 76-111R

Uranium Point Zone Water Treatment Facility
(Name of Facility)

This permit hereby authorizes the applicant:

Federal-American Partners
(Last) (First) (Middle)
Gas Hills Star Route
(Street or P.O. Box)
Riverton Wyoming 82501
(City) (County) (State)

to construct, install, or modify a Uranium Mine Water Treatment
facility located in NE $\frac{1}{4}$, NE $\frac{1}{4}$, Section 32, T32N, R89W, 6th P.M.
(Legal Description)

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

Authorized by:

William J. Garland
Director
Wyoming Dept. of Environmental Quality

July 30, 1976
Date of Issuance

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-112

Alpine Pig Company
(Name of Facility)

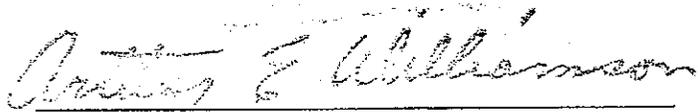
This permit hereby authorizes the applicant:

<u>Lerwick</u> (Last)	<u>James</u> (First)	<u>Raymond</u> (Middle)
<u>RR. 1, Box 4A</u> (Street or P.O. Box)		
<u>Albin</u> (City)	<u>Laramie</u> (County)	<u>Wyoming</u> (State)

to construct, install, or modify a Lagoon System
facility located in Sec. 9, T16N, R60W
(Legal Description)

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

Authorized by:



Director
Wyoming Dept. of Environmental Quality

May 17, 1976

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Stuckey's Septic System
Uinta County, Wyoming

ARCHITECT OR ENGINEER: John A. Proffitt, Uinta Engineering and Surveying
P.O. Box 746, Evanston, Wyoming 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 76-113

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. *wsj*

DATE OF REVIEW: June 2, 1976

ACTION: Not Authorized for Construction

COMMENTS:

- 1) Please send in details of the 2500 gal. septic tank. Are they pre-cast or cast in place? State dimensions, location of access holes, manufacturer, baffle sizes, etc. If they are cast in place, a detailed drawing is needed.
- 2) The ends of the four distribution lines shall be connected.
- 3) We do not recommend the use of distribution box because they fill with solids. A solid PVC header pipe system is recommended. Please send in details of the distribution box if you are using one.
- 4) Gravel must be placed over the distribution lines a minimum of 2 inches.
- 5) Because of the varying percolation rates we would like to see the field extended west, 10-15 feet. However, we will authorize the present size.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

State Office Building

Cheyenne, Wyoming 82002

PROJECT: Stuckey's Septic System, Uinta County, Wyoming

ARCHITECT OR ENGINEER: John A. Proffit, Uinta Engineering and Surveying, P.O. Box 746,
Evanston, Wyoming 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 76-113R

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. *esg*

DATE OF REVIEW: 6/24/76

ACTION: AUTHORIZED FOR CONSTRUCTION

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Stuckeys Sewage Disposal System, Uinta County, Wyoming

ARCHITECT OR ENGINEER: John A. Proffit, Uinta Engineering & Surveying,
P.O. Box 746, Evanston, Wyoming 82936

WATER QUALITY DIVISION REFERENCE NUMBER: 76-113RR

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. *W. L. Garland*

DATE OF REVIEW: July 9, 1976

ACTION: Not Authorized For Construction

COMMENTS:

GENERAL

- 1) Please submit fencing details.
- 2) DEQ will authorize the construction of the lagoon at its present size, however we must emphasize that the system may fail in future years when the bottom of the lagoon starts to seal. Lagoons tend to seal themselves in time, and the lagoon is vastly undersized with respect to evaporation alone.

PUMPING SUMP

- 3) A detail drawing of the sump is needed for an adequate review.
- 4) Ventilation shall be provided in the sump.
- 5) The wet well floor shall have a minimum slope of 1 to 1 to the hopper bottom.
- 6) A check valve is needed on the discharge line.
- 7) A gate valve is also needed on the discharge line so that the submersible pump can be removed without draining the lagoon.
- 8) A gate valve is recommended on the influent line to the pump. - Recommendation only.
- 9) We highly recommend the use of two submersible pumps. This will provide a safety factor in case one fails. If two pumps are used, provision shall be made to automatically alternate the pumps in use. - Recommendation only.
- 10) An alarm system shall be provided for the pumping sump. The alarm shall be activated in cases of power failure, pump failure or any pump station malfunction.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Stuckey's Sewage Disposal System, Uinta County

ARCHITECT OR ENGINEER: John A. Proffit, Uinta Engineering and Surveying,
P.O. Box 746, Evanston, Wyoming 82936

WATER QUALITY DIVISION REFERENCE NUMBER: 76-113RR

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E.

DATE OF REVIEW: September 1, 1976

ACTION: Authorized for Construction

COMMENTS:

- 1) We urgently suggest the owner purchase additional nearby land for future expansion of the lagoon. In time the bottom of the lagoon will seal and the lagoon is undersized with respect to evaporation alone.
- 2) We highly recommend that a chain link fence rather than a regular fence be constructed around the lagoon. This is especially necessary due to the lagoon's close proximity to the store and trailers.

cc: Stuckey's c/o Mr. John Freeman, P.O. Box 36, Fort Bridger, Wyoming 82933

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-113RR

Stuckey's Sewage Disposal System
(Name of Facility)

This permit hereby authorizes the applicant:

Stuckey's c/o Mr. John Freeman
(Last) (First) (Middle)
P.O. Box 36
(Street or P.O. Box)
Fort Bridger Uinta Wyoming 82933
(City) (County) (State)

to construct, install, or modify a Sewage Disposal System
facility located in Uinta County
(Legal Description)

in the County of Uinta, in the State of
Wyoming. This permit shall be effective for a period of 1 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William S. Palmer
Director
Wyoming Dept. of Environmental Quality

September 1, 1976

Date of Issuance

cc: John A. Proffit, Uinta Engineering and Surveying, P.O. Box 746, Evanston,
Wyoming 82936

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Water System Improvements, Town of Douglas

ARCHITECT OR ENGINEER: Nelson Engineering, A. L. Nelson, P.E.,
P.O. Box 1141, Jackson, Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 76-114

REVIEWING ENGINEER: Jake Strohman, Paul Schwieger, P.E. 

DATE OF REVIEW: May 25, 1976

ACTION: Construction Authorized (See Compliance Item #1)

COMMENTS:

1. Filtration bed shall be designed to facilitate maintenance (Control flow to different sections of the bed).

Turbidity records should be kept daily as this requirement will be in effect in the near future. The Town will be required to keep these records and should look into purchasing the required equipment (turbidimeter) at this time.

We feel that investing in a 60MGD seasonal storage tank may not be economical as a treatment plant is more reliable. The monies spent on the 60MGD storage tank may be more appropriately invested in a water treatment plant which will be required at some time down the line as shown in alternatives of Nelson Study.

cc: Mayor Payne, Town of Douglas

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Union Pacific Railroad; Point of Rocks Sanitary Waste Lagoon
Point of Rocks, Wyoming, Sweetwater County

ARCHITECT OR ENGINEER: J.R. Conner, P.E., R.M. Brown, Chief Engineer
1416 Dodge Street, Omaha, Nebraska 68179

WATER QUALITY DIVISION REFERENCE NUMBER: 76-115

REVIEWING ENGINEER: ^{DWH} David W. Hill, William L. Garland, P.E. *Wes J*

DATE OF REVIEW: May 19, 1976

ACTION: Not Authorized for Construction

COMMENTS:

- 1) A manhole shall be installed as close to the dike as topography permits. This manholes invert shall be at least 6 inches above the maximum operating level of the lagoon. Show details of this manhole also. In addition the following design information needs to be submitted for a determination if the lagoon is sized properly.
- 2) Specify the number of people served by this lagoon and the design flow.
- 3) Specify evaporation rate used for design.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Union Pacific Railroad, Point of Rocks Sanitary Waste Lagoon, Point of Rocks, Wyoming, Sweetwater County

ARCHITECT OR ENGINEER: J. R. Conner, P.E., R.M. Brown, Chief Engineer, 1416 Dodge Street, Omaha, Nebraska 68179

WATER QUALITY DIVISION REFERENCE NUMBER: 76-115R

REVIEWING ENGINEER: ^{DWA} David W. Hill, William L. Garland, P.E. *WJG*

DATE OF REVIEW: June 11, 1976

ACTION: Not Authorized for Construction.

COMMENTS:

Please explain where the rest of the water used goes as mentioned in response to comment #2. All wastewater, which includes sink, bath or shower water, must go to the lagoon system.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-115RR

Union Pacific Railroad Point of Rocks Sanitary Waste Lagoon
(Name of Facility)

This permit hereby authorizes the applicant:

Union Pacific Railroad Company
(Last) (First) (Middle)
1416 Dodge Street
(Street or P.O. Box)
Omaha Nebraska 68179
(City) (County) (State)

to construct, install, or modify a Sanitary Waste Lagoon
facility located in Point of Rocks, Wyoming
(Legal Description)

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

Authorized by:

William J. Galand
Director
Wyoming Dept. of Environmental Quality

July 9, 1976
Date of Issuance

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-116

City of Sheridan
(Name of Facility)

This permit hereby authorizes the applicant:

City of Sheridan, c/o W.J. Pilch and Associates
(Last) (First) (Middle)

P.O. Box 6498
(Street or P.O. Box)

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

to construct, install, or modify a Water and Sewer Improvements
facility located in Sec. 22, T56N, R84W
(Legal Description)

in the County of Sheridan, in the State of
Wyoming. This permit shall be effective for a period of 3 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William P. Garland
Director
Wyoming Dept. of Environmental Quality

June 1, 1976
Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Town of Saratoga - Lagoon System for Filter Back Wash Water,
Saratoga, Wyoming

ARCHITECT OR ENGINEER: J. T. Banner and Associates, Submitted by Jerry Welch,
Mayor of Saratoga, Box 480, Saratoga, Wyoming 82331

WATER QUALITY DIVISION REFERENCE NUMBER: 76-117

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

DATE OF REVIEW: May 24, 1976

ACTION: Authorized for Construction

COMMENTS:

cc: Phillip Hughes, District Sanitarian, Box 1153, Green River, Wyoming 82935

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Water Main Replacement - Evans and First Street, Evansville, Wyoming

ARCHITECT OR ENGINEER: Robert Streeter II, P.E., P.O. Box 4060, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-118

REVIEWING ENGINEER: Jake Strohmman, William L. Garland, P.E. *WLG*

DATE OF REVIEW: June 7, 1976

ACTION: Construction Authorized

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Continental Trailer Park - 12 spaces, 736 South Greeley Highway,
Cheyenne, Wyoming

ARCHITECT OR ENGINEER: Donald M. Hopkins, Submitted by Rick Mordahl,
130 South Greeley Highway

WATER QUALITY DIVISION REFERENCE NUMBER: 76-119

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

DATE OF REVIEW: May 24, 1976

ACTION: Authorized for Construction with comments.

COMMENTS:

- 1) Manholes approved on the basis that they are standard type manholes.
- 2) PVC piping approved for water lines on the basis that they are of a manufacture approved by the National Sanitation Foundation for non-toxicity.

cc; Don Pack, Sanitarian, City-County Health Unit, 315 West 20th Street,
Cheyenne, Wyoming 82001

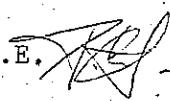
REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Killarney Subdivision, Campbell County, Gillette, Wyoming

ARCHITECT OR ENGINEER: Gingery and Associates, 2840 South Vallejo Street
Englewood, Colorado 80110

WATER QUALITY DIVISION REFERENCE NUMBER: 76-120

REVIEWING ENGINEER: *T. Mueller*
Tom Mueller, Paul Schwieger, P.E. 

DATE OF REVIEW: June 1, 1976

ACTION: Not Authorized for Construction, See Comments.

COMMENTS:

1. Specifications for water main disinfection shall be submitted.
2. The blowoff design is unacceptable. Blowoffs are to terminate 6" above ground surface with a screened, downward facing elbow. There is to be no underground drain from the blowoff.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-120R

Killarney Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Atlantic Richfield Company
(Last) (First) (Middle)
1500 Security Life Building
(Street or P.O. Box)
Denver Colorado
(City) (County) (State)

to construct, install, or modify a Sewage Collection, Water Supply
facility located in Section 26, 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 P. Galand
Director
Wyoming Dept. of Environmental Quality

June 3, 1976

Date of Issuance

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-12ORR

Killarney Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Atlantic Richfield Company
(Last) (First) (Middle)
1500 Security Life Building
(Street or P.O. Box)
Denver Colorado
(City) (County) (State)

to construct, install, or modify a _____
facility located in Section 26, 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 J. Chisland
Director
Wyoming Dept. of Environmental Quality

August 12, 1976
Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Clarksfork Ranch, Livestock Feed lot, Runoff Control pond
Owner: Mick Fraker, Discharge Permit WY-0023337

ARCHITECT OR ENGINEER: Don Livingston, P.E., P.O. Box 1539
Cody, Wyoming 82414

WATER QUALITY DIVISION REFERENCE NUMBER: 76-121

REVIEWING ENGINEER: Jake Strohman, Paul Schwieger, P.E. *PS*

DATE OF REVIEW: May 21, 1976

ACTION: Facility meets requirements of Discharge Permit

COMMENTS:

cc: John Wagner, Permits Section

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

PROJECT: Town of Wamsutter, Water System Improvements, Wamsutter, Wyoming Sweetwater County.

ARCHITECT OR ENGINEER: Paul McCarthy, Nelson Engineering, P.O. Box 1141, Jackson, Wy 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 76-122

REVIEWING ENGINEER: ^{Ernst} David W. Hill, William L. Garland, P.E.

DATE OF REVIEW: 6/22/76

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. A detail drawing of the air relief air inlet manhole or chamber is needed. The open end of the air relief-air inlet pipe should extend at least one foot above ground and be provided with a screened downward facing elbow.
2. Will protection against negative pressure in the engine driven fire pumps suction line be needed? An automatic cutoff should be provided at a pressure of 5 psi in the suction line if negative pressure is likely, such as an instance of little or no water in the storage tank at the time of fire.
3. There must be adequate protection of the booster pump piping against water hammer. I question the protection at the "Tee" on the fireflow piping to the outside hose valve head.
4. Adequate facilities, such as horst beams, opening in roof or other openings, should be provided for removing or servicing heavy equipment. Will the two doors be enough to accomplish this?
5. Although not required, we would recommend forced venelation be used in the booster pump station.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Town Of Wamsutter, Water System Improvements, Wamsutter, Wyoming Sweetwater County

ARCHITECT OR ENGINEER: Paul McCarthy- Mickey Yamashiro, Nelson Engineering P.O. Box 1141 Jackson, Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 76-122

REVIEWING ENGINEER: ^{DWH} David W. Hill, ^{Robert A. Penner} Robert Penner, P.E.

DATE OF REVIEW: 6/27/76

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. A detail drawing of the air relief-vacuum relief manhole or chamber is needed. The open end of the air relief-vacuum relief inlet pipe should extend at least one foot above the ground if possible. If the manhole is located in a street the inlet pipe should extent to the top of the manhole. In both cases the inlet pipe shall be provided with a screened downward facing elbow. The specification should include air relief-vacuum relief valve-manhole specifications.
2. The outfall line from the engine driven fire pump shall have a screen or flapgate on the end.
3. Protection against negative pressure shall be provided for the booster pumps and the engine driven fire pump in the case when the storage tank is empty. Automatic pump cutoffs shall by provided for the booster pumps and the fire pump when the suction line pressure reaches 5psi.
4. Sheet 12/22 needs to be completed and submitted.
5. Adequate facilities, such as hoist beams, openings in roof, or other openings should be provided for removing or servicing heavy equipment. Will the two doors be enough to accomplish this.
6. Although not required, we would recommend forced ventilation be used in the booster pump station.
7. The final plans need to be resubmitted for our authorization after all FHA requirements are followed and inserted on the plans.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-122R

Wamsutter Water System
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Wamsutter
(Last) (First) (Middle)
P.O. Box 6
(Street or P.O. Box)
Wamsutter Wyoming 82336
(City) (County) (State)

to construct, install, or modify a Water System
facility located in Wamsutter, Wyoming
(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 P. Gaudin
Director
Wyoming Dept. of Environmental Quality

July 27, 1976
Date of Issuance

cc: Mickey Yamashiro, P.O. Box 1141, Nelson Engineering, Jackson, Wyoming 83001

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Bullwinkles Trailer Park, Paradise Valley

ARCHITECT OR ENGINEER: Darrell Smith, P.E., Chester D. Robinson, 6000 Cy Avenue,
Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-~~213R~~ 113R

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. *WLG*

DATE OF REVIEW: September 30, 1976

ACTION: Construction Not Authorized

COMMENTS: The following items need to be furnished.

What is the water pressure furnished to this park?

What are the material specifications for water and sewer lines?

What are the material specifications for manholes? What size are the manholes?

Indicate ten foot horizontal separation of water and sewer lines.

Where is the location of the utility water and sewer mains.

The sewer riser should be 4" above ground surface, standing water or runoff water, whichever is higher.

How is the water riser protected from freezing? Water riser is to terminate 4" above ground surface, standing water or runoff water, whichever is higher.

A flushing hydrant is required at the end of the water line.

State installation, pressure testing, disinfection, alignment and grade checking specifications.

cc: Nix Anderson

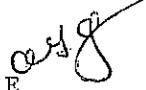
REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Bullwinkles Trailer Park, Paradise Valley

ARCHITECT OR ENGINEER: Darrell Smith, P.E., Chester D. Robinson, 6000 Cy Avenue,
Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-123RR

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. 

DATE OF REVIEW: October 25, 1976

ACTION: CONSTRUCTION IS NOT AUTHORIZED

COMMENTS:

1. Stop and waste valves are not permitted for water risers.
2. What approved method is to be utilized for pressure testing water lines.
3. What is the pressure rating and material specifications for the water line? Send detail and specifications for flushing hydrant.
4. Sewer line is to meet specifications of ASTM D3034.
5. The water riser is not 4" above standing water.

cc: Nix Anderson

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-123RRR

Bullwinkles Trailer Park
(Name of Facility)

This permit hereby authorizes the applicant:

Robinson Chester D.
(Last) (First) (Middle)

6000 Cy Avenue
(Street or P.O. Box)

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

to construct, install, or modify a Water and Sewer Details
facility located in Natrona County, Wyoming
(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. Janda
Director
Wyoming Dept. of Environmental Quality

November 19, 1976
Date of Issuance

cc: Darrell Smith, P.E.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Block 7, Sewer and Water, Westridge Addition, Crook County

ARCHITECT OR ENGINEER: Plains Engineering, P.O. Box 727, Newcastle, Wyoming 82701

WATER QUALITY DIVISION REFERENCE NUMBER: 76-125

REVIEWING ENGINEER: *TJ Mueller* Tom Mueller, Arthur E. Williamson, P.E.

DATE OF REVIEW: May 27, 1976 *Arthur E. Williamson*

ACTION: Not Authorized for Construction

COMMENTS:

1. Sewer service connections shall be made using "wye" branches only. Saddles are not acceptable.
2. In accordance with Ten State Standards, where water mains cannot be looped, dead ends shall be provided with a hydrant. Please submit information on the surrounding area's water service, to evaluate the possibility of looping the water mains.
3. ASTM-1784, the standard used for sewer pipe, is a plastic standard and does not specifically apply to sewer pipe manufacture. Standard ASTM-3033 or ASTM-3034 should be used.

Note: When standards are called out, they should generally be referred to as "in the latest revision", or without any reference, rather than to a specifically dated revision.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-125R

Westridge 7th Addition
(Name of Facility)

This permit hereby authorizes the applicant:

Moorcroft Development Corporation
(Last) (First) (Middle)
c/o Plains Engineering, P.O. Box 727
(Street or P.O. Box)
Newcastle Wyoming 82701
(City) (County) (State)

to construct, install, or modify a Sewage Collection and Water Distribution
facility located in Section 6, T49N, 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 P. Galand
Director
Wyoming Dept. of Environmental Quality

August 23, 1976
Date of Issuance

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 76-126A

Bear Creek Uranium Project
(Name of Facility)

This permit hereby authorizes the applicant:

Bear Creek Uranium Company
(Last) (First) (Middle)
4704 Harlan Street
(Street or P.O. Box)
Denver Colorado 80212
(City) (County) (State)

to construct, install, or modify a Wastewater facility for mine shops (not sanitary)
facility located in Section 3, T38N, R73W
(Legal Description)

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

Authorized by:

William J. Galand
Administrator
Water Quality Division

Basel E. Austin
Director
Wyoming Dept. of Environmental Quality

October 3, 1977

Date of Issuance

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 76-126B

Bear Creek Uranium Project (Office Sewage Disposal)
(Name of Facility)

This permit hereby authorizes the applicant:

Bear Creek Uranium Company
(Last) (First) (Middle)
4704 Harlan Street
(Street or P.O. Box)
Denver Colorado 80212
(City) (County) (State)

to construct, install, or modify a Small Waste Treatment
facility located in Section 16 & 9, T38N, R73W
(Legal Description)

in the County of Converse, in the State of
Wyoming. This permit shall be effective for a period of 5 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. Anderson
Director
Wyoming Dept. of Environmental Quality

October 3, 1977

Date of Issuance

June 11, 1976

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

RE: Trails West Camper Park,
Big Piney

Dear Mr. Jorgensen:

The plans for the camper park have been sent to us by the Health Department for a review of the camper parks water and sewer system. After checking over the plans and specifications, I find several areas that do not meet our minimum standards, or that are covered inadequately for an accurate review.

The overnight camper park shall be designed by the "Water Quality Rules and Regulations, Chapter III Appendix A". The following items need to be changed to meet our minimum design standards and/or more details (drawings and/or specifications) submitted for an accurate review. This list of items does not necessarily constitute the total list of items that require attention.

GENERAL

- 1) Please submit information concerning the design population of the trailer court and the design water and sewer flows.
- 2) Provide bedding details of the water and sewer lines. A detail drawing showing the bed class used and wording explaining the installation and backfilling procedures will be sufficient.
- 3) The water, sewer, and drain lines must be buried deep enough to prevent, breakage from traffic. At least three to four feet is needed unless casings are used, or castiron or steel pipe is used.

WATER SYSTEM

- 4) No main line shall be smaller than 2 inches in diameter.
- 5) The main water lines shall be looped.
- 6) The water risers shall be at least 3/4 inches in diameter.
- 7) The water risers shall be protected at the ground surface by a concrete pad at least 4 inches thick and 12 inches in diameter.
- 8) The well is to be sealed to a depth of 10 ft. minimum with concrete or grout to prevent surface water from entering the well.
- 9) Provide details on pressure testing of the water lines after installation.
- 10) Please specify the type of pipe used for the water system. If plastic pipe is used it must carry the NSF stamp of approval.
- 11) Provide an estimate or known yield of the well and submersible pump. The yield of the well and pump should be at least six to ten times the average daily consumption rate of the camper park.
- 12) Specify the standards for the hydropneumatic tank. It shall meet ASME code requirements or equal which comply with the requirements of AWWA standards for the construction and installation of unfired pressure vessels.
- 13) The 50 gallon hydropneumatic tank may be too small for the system. The gross volume of the hydropneumatic tank, in gallons, should be ten to fifteen times the capacity of the submersible pump, rated in gallons per minute.

SEWER SYSTEM

- 14) Please provide more details on the dumping station. All chemical toilet waste must be collected and hauled to an approved landfill. Holding tank waste not using chemicals can go to the septic tank and leach field or to a landfill. Also please provide more details on the washing facility at the dumping station.

SEWER SYSTEM

- 15) Leaching tanks will not be allowed. All waste must go to the leaching field. The sanitary waste and trailer holding tank waste must go through the septic tank. Sink and shower water can go directly to the leaching field.
- 16) Specify the daily flow to the septic tank. The septic tank must have at least 24 hours of detention time.
- 17) Please specify the depth to the groundwater in the area. A minimum distance of four feet must be maintained from the bottom of the leach field pipes to the maximum seasonal groundwater table.
- 18) If the leach field is used, a profile view of the leach field is needed.
- 19) Provide the results of the percolation tests so we can evaluate if the field is sized large enough.
- 20) No sewer line smaller than 4 inches shall be allowed. All main lines shall be 6 inches.
- 21) The sewer risers shall be protected at the ground surface by a concrete pad at least 4 inches thick and 12 inches in diameter.
- 22) The sewer and drain lines require a slope of at least 0.60 ft./100 ft. for a 6 inch diameter pipe.
- 23) Specify the distance the leach field is from the well. A minimum distance of 100 ft. is needed.

Construction of the camper park will not be authorized until the above items are responded to.

If I can be of any further help, please let me know.

Sincerely,

David W. Hill
David W. Hill
Environmental Engineer
Water Quality Division

DWH/js

cc: Paul W. Scherbel
Big Piney, Wyoming 83113

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Trails West Camper Park, Lincoln County, Wyoming

ARCHITECT OR ENGINEER: Peter Jorgensen, P.E., Paul N. Scherbel, Box 96
Big Piney, Wyoming 83113

WATER QUALITY DIVISION REFERENCE NUMBER: 76-127R

REVIEWING ENGINEER: ^{David} David W. Hill, William L. Garland, P.E. ^{WSG}

DATE OF REVIEW: July 7, 1976

ACTION: Not Authorized For Construction

COMMENTS:

- 1) The waterline will not be allowed to drain into the dumping tank. This could easily result in contamination of the waterlines. A separate drain pit at least 50 ft. from the holding tank should be used.
- 2) The use of the 3/4 inch garden hose valve will not be allowed at the trailer dumping station. A water tower with a vacuum breaker must be used. An example is enclosed. Adequate signs should also be provided at the trailer dumping station.
- 3) The septic tank serving the service building must have at least 24 hours detention time. Will the 1000 gallon septic tank suffice.
- 4) Please provide information concerning the ultimate disposal of the holding tank waste.

A letter must be enclosed from the town explaining the agreement or arrangement if it is to be disposed of in the LaBarge lagoon system.

cc: Peter Jorgensen, P.O. Box 1142, Jackson, Wyoming 83001
Phillip Hughes, District Sanitarian, P.O. Box 1153, Green River, Wyoming 82935
Robert Coffman, Environmental Surveillance and Control
Mr. James Eubank, LaBarge, Wyoming 83123

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 76-127RR

Trails West Camper Park Water and Sewer System
(Name of Facility)

This permit hereby authorizes the applicant:

Eubank James
(Last) (First) (Middle)
(Street or P.O. Box)
LaBarge Wyoming 83123
(City) (County) (State)

to construct, install, or modify a Water and Sewer System
facility located in _____
(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 P. Gaudin
Director
Wyoming Dept. of Environmental Quality

July 30, 1976

Date of Issuance

cc: Peter Jorgensen, P.O. Box 1142, Jackson, Wyoming 83001
Phillip Hughes, District Sanitarian, P.O. Box 1153, Green River, Wyoming 82935
Robert Coffman, Environmental Surveillance and Control
Paul N. Scherbel, Box 96, Big Piney, Wyoming 83113

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Trails West Camper Park, Lincoln County, Wyoming

ARCHITECT OR ENGINEER: Peter M. Jorgensen, P.E.

WATER QUALITY DIVISION REFERENCE NUMBER: 76-127RR

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. *wlg*

DATE OF REVIEW: July 30, 1976

ACTION: Authorized For Construction

COMMENTS:

- 1) Every new water supply source shall be examined for chemical characteristics by tests of a representative sample in a private laboratory. The results shall be submitted to our Department.
- 2) The Trails West Camper Park water supply needs to be bacteriologically tested during the months the camper park is open. Please contact Mr. Robert Pinther of this office to set up a bacteriological testing program before you begin operations.

cc: James Eubank, La Barge, Wyoming 83123
Phillip Hughes, District Sanitarian, P.O. Box 1153, Green River, Wyoming 82935
Robert Coffman, Environmental Surveillance and Control
Paul N. Scherbel, Box 96, Big Piney, Wyoming 83113

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 76-128

River West and Green Valley Estates
(Name of Facility)

This permit hereby authorizes the applicant:

T.W. Patterson

Rice, Marek, Holtz and Patterson, Inc.
(Last) (First) (Middle)

437 South Spruce
(Street or P.O. Box)

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

to construct, install, or modify a Water Distribution System
facility located in T33N, R80W, 6th P.M.
(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. Galarneau
Director
Wyoming Dept. of Environmental Quality

August 20, 1976
Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Brooks W & S Sewage Treatment Plant for Rivers West and Green Valley Mobile Home Park, Natrona County

ARCHITECT OR ENGINEER: Robert Streeter II, Sigma Engineering, P.O. Box 4060, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-128

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. *WLG*

DATE OF REVIEW: November 18, 1976

ACTION: CONSTRUCTION IS NOT AUTHORIZED

COMMENTS: The following items are required:

1. The O & M manual is incomplete: No discrepancies were noted in the maintenance section. The lift station should also have an O & M manual. The manual lacks information on operation of the surge tanks, bar screens, grit removal, sludge pumping from clarifier, sludge wasting operation from digester, tests required for process control, frequency of testing effluent for BOD₅, S.S., chlorine residual, fecal coliform, testing procedures, method of determining flow from facility, etc. (in general process control and operating instructions)
2. What type of alarm system is on the lift station? Since standby power is not furnished for lift station and S.T. Plant, furnish a power loss record for the last three years on the power source. How long could the sewer system back up without flooding basements with the sewer collection system as installed?
3. How is the flow discharged to the river to be measured? Preferably a wier and recorder.
4. A chlorine residual of .5 ppm is required in the discharge permit. Specify how this is to be accomplished and still meet 200 colonies per 100 ml of fecal coliform.
5. Per our calculations 412 homes and/or trailer houses is the limit for this plant. Part of the proposed 477 will not be included in the construction permit.
6. Trickling filters operating efficiently have recirculation from the biological unit back to the biological unit. Since this plant is similar in operation to a trickling filter, could piping be furnished for recirculation and provide greater efficiency?

PERMIT TO CONSTRUCT

New

Renewal

Permit No. 76-128

Modified

Rivers West Estates and Green Valley Mobile Home Park
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Pittman</u> (Last)	<u>Bill</u> (First)	<u></u> (Middle)
<u>1145 S. Wolcott</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 Lift Station and Sewage Treatment Plant
facility located in the 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 S. Gabel

Supervisor
Director

Wyoming Dept. of Environmental Quality

February 8, 1977

Date of Issuance

cc: Brooks Water and Sewer, Box 2080, Casper, Wyoming 82601
Robert Streeter, II, Sigma Engineering, Box 4060, Casper, Wyoming 82601

REVIEW OF PLANS AND SPECIFICATIONS

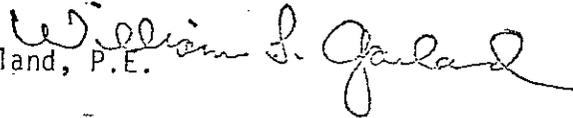
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Rivers West Estates and Green Valley Mobile Home Park Lift
Station and Sewage Treatment Plant, Natrona County

ARCHITECT OR ENGINEER: Robert Streeter, II, Sigma Engineering, Box 4060,
Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-128

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E.



DATE OF REVIEW: February 8, 1977

Supervisor - Water Quality Div.

ACTION: CONSTRUCTION AUTHORIZED. SEE COMPLIANCE ITEMS.

COMMENTS: 1. Emergency standby power for the lift station and sewage
treatment plant is required. A letter has been furnished
stating the design will be forwarded shortly. This approved
design will be part of the required construction.

JS/jo

cc: Brooks Water and Sewer, Box 2080, Casper, Wyoming 82601
Bill Pittman, 1145 S. Wolcott, Casper, Wyoming 82601



Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 2, 1977

Engineering Associates
P.O. Box 1539
Cody, Wyoming 82414

Attention: Roger Jacobson

RE: O & M Manual for River West Estate
and Green Valley Mobile Home Park.
76-128

Dear Roger:

The above referenced manual has been reviewed and will be accepted by this office after the following revisions have been included:

1. Standby power will be installed. The operation and maintenance manuals will be provided by the contractor of the standby power project.
2. The discharge permit has been changed and should be upgraded in the manual. (See Enclosed Letter).
3. The sludge wasting operation should be expanded upon. Such items as when the sludge should be pumped from the holding tank or wasted back to the surge chamber should be covered. Indicate any lab testing and the results which would indicate proper operation.

Enclosed are the two extra O & M Manuals which should be forwarded to Brooks Water and Sewer District, Box 2080, Mills, Wyoming 82644 after above changes are reflected.

Yours truly,


Jake Strohmman
Environmental Engineer
Water Quality Division

JS/jo
Enclosure

cc: Brooks Water and Sewer District, Box 2080, Mills, Wyoming 82644
Bill Pittman, 1145 S. Wolcott, Casper, Wyoming 82601



Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

November 29, 1977

T. W. Pittman
1145 S. Wolcott
Casper, Wyoming 82601

Dear Mr. Pittman:

This office has received plans and specifications for the Phase III extension of Rivers West Estates.

The original sewage system received (76-128) did not have many of the street sections laid out for sewer. The plans which you submitted last week are a complete layout for Phase III. The Phase III water extension application is complete (77-295R).

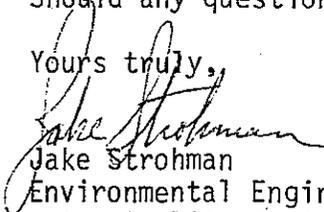
The sewage treatment plant is authorized for 412 units. The complete Rivers West has 375 lots while Green Valley Mobile Home Park has 102 lots.

Before construction will be authorized on Phase III, the following conditions must be met:

1. Standby power to the lift station and sewage treatment plant must be installed per the construction permit from this office.
2. Indicate which 65 lots in Phase III will not be developed.

Should any questions arise, do not hesitate to contact us.

Yours truly,


Jake Strohmman
Environmental Engineer
Water Quality Division

JS/jo

cc: Brooks Water and Sewer District, Box 2080, Casper, Wyoming 82601
William L. Garland, Administrator, Water Quality Division

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Town of Mills, R.J. Manning, Inc., and Lower and Cool, Inc.

ARCHITECT OR ENGINEER: E. C. Lenhart, P.E., 632 South David, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-129

REVIEWING ENGINEER: Jake ~~Strohman~~, William L. Garland, P.E. *wsj*

DATE OF REVIEW: June 9, 1976

ACTION: Construction not Authorized

COMMENTS:

1. Need letter of acceptance from Town of Mills for Water and Sewer.
2. Seal prefab manhole joints with bituminous base seal.
3. Disinfect water lines per AWWA C-601 current edition.
4. State thrust block locations and sizes.
5. Need a blowoff valve at end of water main. Send specifications.

cc: Nix Anderson

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

State Office Building

Cheyenne, Wyoming 82002

PROJECT: Town of Marbleton, Water System, Marbleton, Wyoming, Sublette County

ARCHITECT OR ENGINEER: Dale Crank, Johnson-Fermelia and Crank, Inc., P.O. Box 631
Kemmerer, Wyoming 83101

WATER QUALITY DIVISION REFERENCE NUMBER: 76-130

REVIEWING ENGINEER: ^{DWH}David W. Hill, ^{WLG}William L. Garland, P.E.

DATE OF REVIEW: 6/22/76

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Requirements for bacteriological testing shall be written into the specifications after the water line and storage tank disinfection. Two or more successive sets of samples, taken at 24 hour intervals, shall indicate bacteriologically satisfactory water before the water line and storage tank can be used.

2. The latest AWWA standards are the following:

Gate Valves	C 500-71
Hydrants	C 502-73
Asbestos-Cement	C 400-75
Installation of	
Asbestos-Cement	
Pipe	C 603-65
Disinfecting Water	
Mains	C 601-68

Stating "according to the latest edition of AWWA standard C-XXX" is sufficient.

3. We recommend the use of a cathodic protective device on the steel storage tank. Recommendation only.

Meeting the requirements of 1 and 2 will be sufficient for an authorization to construct.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-130R

Marbleton Water System
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Marbleton
(Last) (First) (Middle)
P.O. Box 611
(Street or P.O. Box)
Marbleton, Wyoming 83113
(City) (County) (State)

to construct, install, or modify a Water Sytem
facility located in Marbleton, Wyoming
(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 S. Galand
Director
Wyoming Dept. of Environmental Quality

July 7, 1976
Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Foster Road Sewer and Water Extension, North Platte Sewer and Water District, Casper, Wyoming

ARCHITECT OR ENGINEER: B. F. Cronin, P.E., Global Engineering and Land Surveying, Inc.
P.O. Box 532
Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-131

REVIEWING ENGINEER: Jake Strohman, Paul Schwieger, P.E. 

DATE OF REVIEW: June 11, 1976

ACTION: Construction not Authorized.

COMMENTS:

1. Need fire hydrant or blowoff valve at the end of the plugged water line.
2. Need letter of acceptance from Casper Board of Public Utilities.

cc: Nix Anderson

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Foster Road Sewer and Water, North Platte Subdivision

ARCHITECT OR ENGINEER: B. F. Cronin, P.E. Global Engineering P.O. Box 532 Casper, Wyoming

WATER QUALITY DIVISION REFERENCE NUMBER: 76-131R

REVIEWING ENGINEER: ~~Jake Strohman~~, William L. Garland P.E. *WLG*

DATE OF REVIEW: 6/22/76

ACTION: CONSTRUCTION AUTHORIZED

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Uranium Supply Service Corporation and Water Treatment Plant, Settling
Ponds and Waster Well, Shirley Basin

ARCHITECT OR ENGINEER: Plans submitted by Leroy E. Kissinger Operations Manager
Jenkins Project, P.O. Box 1133, Mills, Wyoming 82644

WATER QUALITY DIVISION REFERENCE NUMBER: 76-132

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

Frank R. Harman

DATE OF REVIEW: June 16, 1976

ACTION: Authorized for Construction

COMMENTS:

cc: Phillip Hughes, District Sanitarian, P.O. Box 1153, Green River, Wyoming 82935

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: *Jim Kittrell, Jr.*
Kittrell Kourt I, Jim Kittrell, Jr. (Owner)
122 N. Grant, Casper, Wyoming 82601

ARCHITECT OR ENGINEER: Harry O. Patterson, P.E., 437 S. Spruce, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-133

REVIEWING ENGINEER: *JAS*
Jake Strohmman, Paul Schwieger, P.E.

DATE OF REVIEW: June 1, 1976

ACTION: Construction Authorized (See Compliance items signed and agreed by owner)

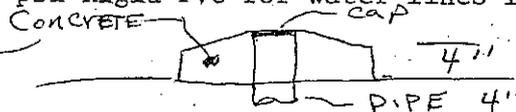
COMMENTS:

1. Septic tanks shall be moved to be in a straight line with 6" collection sewer or install a manhole at the change of direction.
2. Install perforated pipe in leach field as shown,



3. Manhole to meet specifications of ASTM C478 and have a minimum diameter of 42". If prefab, seal joints with bituminous base seal.
4. 6 ft. depth of water lines.
5. Understand "Thermoline" water risers to be used. Not stop and and waste type.
6. ASTM 3034 to be utilized for sewer lines.
7. Sewer risers to meet following specifications.

8. 250 psi Rigid PVC for water lines is to be used,



cc: Wardwell Water and Sewer District, P.O. Box 728, Mills, Wyoming
Nix Anderson

9. *Recommend installing water lines at the back of lots.*

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Village Park Trailer Court, Campbell County

ARCHITECT OR ENGINEER: Scott Engineering Company, P.O. Box 1414, Watertown, S.D. 57201

WATER QUALITY DIVISION REFERENCE NUMBER: 76-134R

REVIEWING ENGINEER: *DM* Tom Mueller, William L. Garland, P.E. *WJ*

DATE OF REVIEW: 6/22/76

ACTION: NOT AUTHORIZED FOR CONSTRUCTION; SEE COMMENTS.

COMMENTS:

1. A check valve and gate valve shall be provided between the well head and concrete storage tank. A valved bypass shall also be provided directly from the wellhead to the distribution system.
2. Class 160 pipe is unacceptable. Pipe meeting AWWA specification C-900 shall be required.
3. Flushing hydrants shall be required for the water lines which terminate at lot 68 and lots 47-48.
4. All flushing and fire hydrants shall have an auxiliary valve between the hydrant and the main.
5. All leach field lines must be at least 10 ft. from septic tanks.
6. Wye branches shall be used for sewer services, rather than saddles.
7. Percolation rate data for the proposed leach fields shall be submitted in order to evaluate the size of the leach fields.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-134R

Village Park Trailer Court
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Waldrup</u>	<u>Charlie</u>	
(Last)	(First)	(Middle)
<u>c/o Scott Engineering, P.O. Box 1414</u>		
(Street or P.O. Box)		
<u>Watertown</u>		<u>South Dakota</u>
(City)	(County)	(State)

to construct, install, or modify a Mobile Home Water & Sewer Systems
facility located in Section 18, T71N, R50W
(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.

NOTE: COPIES OF THIS PERMIT HAVE BEEN FORWARDED TO THE STATE HEALTH DEPARTMENT
AND THE STATE FIRE MARSHALL'S OFFICE.

Authorized by:

William J. Garland
Director
Wyoming Dept. of Environmental Quality

July 16, 1976
Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Home Ranch Subdivision, Sheridan County

ARCHITECT OR ENGINEER: W.J. Pilch and Associates, P.O. Box 6498
Sheridan, Wyoming 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 76-135

REVIEWING ENGINEER: Tom Mueller, Paul Schwieger, P.E. 

DATE OF REVIEW: June 7, 1976

ACTION: Not Authorized for Construction. See Comments.

COMMENTS:

1. The combined overflow - drain is valved in such a way as to eliminate overflow protection.
2. Ten State Standards require that 20 psi be available in the distribution system under all conditions of flow; at low storage tank levels, portions of Home Ranch Place will not have this much static pressure. Flow head losses and possible fire flow demand will aggravate this situation. It shall therefore be required that the design pressure in the system be increased by some means to meet this minimum requirement. Design data for pressure in the system shall also be submitted.
3. When are the future wells, main and tank to be developed? Will the present details cover them? If so what is the elevation of the future tank, and what measures will be taken to prevent flooding of one of the tanks? Please clarify these matters.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-135RR

Home Ranch Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

P & P Enterprises
(Last) (First) (Middle)
P.O. Box 6498
(Street or P.O. Box)
Sheridan, Sheridan, Wyoming
(City) (County) (State)

to construct, install, or modify a Public Water Supply
facility located in Sec. 10, T.55N., R.84W.
(Legal Description)

in the County of Sheridan, in the State of
Wyoming. This permit shall be effective for a period of 3 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

Frank R. Harman
for Director
Wyoming Dept. of Environmental Quality

June 29, 1976
Date of Issuance

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-136

Belle Ayr Mine Pond #1
(Name of Facility)

This permit hereby authorizes the applicant:

Amax Coal Company
(Last) (First) (Middle)
205 South Ross Ave.
(Street or P.O. Box)
Gillette Campbell Wyoming
(City) (County) (State)

to construct, install, or modify a Solids settling pond
facility located in Section 34, T48N, R71W
(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 P. Quinn
Director
Wyoming Dept. of Environmental Quality

July 9, 1976
Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Town of South Superior, Water System Improvements, South Superior, Wy
Sweetwater County.

ARCHITECT OR ENGINEER: DMJM - Phillips - Reister, Inc., 910 15th Street
Engineering Consultants Denver, Colorado 80202

WATER QUALITY DIVISION REFERENCE NUMBER: 76-137

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. *WLG*

DATE OF REVIEW: June 23, 1976

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Plans must be signed by an engineer registered in the State of Wyoming.
2. Provisions for bacteriological testing after the water line and storage tank disinfection must be inserted into the specifications. Two or more successive sets of samples taken at 24 hour intervals, shall indicate bacteriologically safe water before the facilities can be used by the public.
3. We recommend a cathodic protection device to installed on the 150,000 gallon steel storage tank in addition to the painted coats. Recommendation only.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Town of South Superior, Water System Improvements, South Superior, Wyoming
Sweetwater County

ARCHITECT OR ENGINEER: G. M. Amble, DMJM - Phillips - Reister, Inc., Suite 700,
910 Fifteenth Street, Denver, Colorado 80202

WATER QUALITY DIVISION REFERENCE NUMBER: 76-137R

REVIEWING ENGINEER: ^{DWH} David W. Hill, William L. Garland, P.E. *WJG*

DATE OF REVIEW: July 8, 1976

ACTION: Not Authorized for Construction

COMMENTS:

Procedures for bacteriological testing shall be provided for in the specifications for the storage tank disinfection. Two or more successive sets of samples, taken at 24-hour intervals, shall indicate bacteriological satisfactory water before the storage tank can be used. If the initial disinfection fails to produce safe samples, disinfection shall be repeated until safe samples have been obtained.

cc: Clyde Teague, FHA, State Office, 100 East B, Casper, Wyoming 82601

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-137RR

South Superior Water System
(Name of Facility)

This permit hereby authorizes the applicant:

Town of South Superior
(Last) (First) (Middle)
P.O. Box 307
(Street or P.O. Box)
South Superior Sweetwater Wyoming 82945
(City) (County) (State)

to construct, install, or modify a Water System
facility located in South Superior
(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 P. Jordan
Director
Wyoming Dept. of Environmental Quality

July 19, 1976
Date of Issuance

cc: G. M. Amble, DMJM - Phillips- Reister, Inc., Suite 700, 910 Fifteenth
Street, Denver, Colorado 80202

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 76-138R

Cottonwood Park, Sec. 2.
(Name of Facility)

This permit hereby authorizes the applicant:

Atlantic Richfield Company, c/o Gingery & Associates
(Last) (First) (Middle)

2840 So. Vallejo Street
(Street or P.O. Box)

Englewood Colorado 80110
(City) (County) (State)

to construct, install, or modify a Sewage Collection and Water Distribution
facility located in T44N. 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 P. Garland
Director
Wyoming Dept. of Environmental Quality

August 20, 1976
Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Union Pacific Railroad Company, Sanitary Waste Lagoon, Westvaco, Wyoming
Sweetwater County

ARCHITECT OR ENGINEER: R. H. Uhrich, R. M. Brown, Union Pacific Railroad Company
1416 Dodge Street, Omaha, Nebraska 68179

WATER QUALITY DIVISION REFERENCE NUMBER: 76-139

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. *WLG*

DATE OF REVIEW: June 14, 1976

ACTION: Not Authorized for Construction.

COMMENTS:

- 1) As with the Point of Rocks and Bitter Creek plans, the Westvaco plans must include design populations and design flows.
- 2) Explain the reasons for the use of a septic tank. If the septic tank is used, details showing dimensions, baffles, manholes, etc., must be submitted.
- 3) Because of the number of hookups, a 6 inch trunk line will be required.
- 4) The lagoon should be located a sufficient distance from the buildings. Explain why the lagoon is located so close to the buildings.
- 5) Every change in direction of the sewer trunk line will require a manhole. Would it be possible to run a straight line to the lagoon and enter the lagoon from the south or southwest corner.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-139R

Union Pacific Railroad Westvaco Sanitary Waste Lagoon
(Name of Facility)

This permit hereby authorizes the applicant:

Union Pacific Railroad Company
(Last) (First) (Middle)
1416 Dodge Street
(Street or P.O. Box)
Omaha Nebraska 68179
(City) (County) (State)

to construct, install, or modify a Sanitary Waste Lagoon
facility located in Westvaco, Wyoming
(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 P. Chisum
Director
Wyoming Dept. of Environmental Quality

July 9, 1976
Date of Issuance

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 76-140

Utah Power & Light Naughton Plant No. 1 Ash Pond
(Name of Facility)

This permit hereby authorizes the applicant:

Utah Power & Light Company
(Last) (First) (Middle)
P.O. Box 899
(Street or P.O. Box)
Salt Lake City, Utah 84110
(City) (County) (State)

to construct, install, or modify a industrial waste
facility located in T21 N R. 116W 6th PM
(Legal Description)

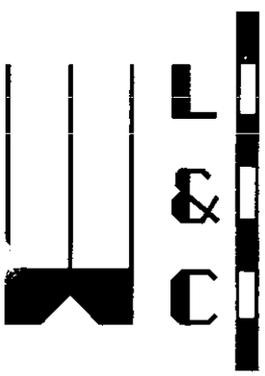
in the County of Lincoln, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William P. Golan
Director
Wyoming Dept. of Environmental Quality

July 6, 1976

Date of Issuance



WORTHINGTON, LENHART, AND CARPENTER, INC.

CONSULTING ENGINEERS AND LAND SURVEYORS

632 SOUTH DAVID

PHONE 307 237-3739

CASPER, WYOMING 82601

July 6, 1976

Mr. Jake Strohman
Department of Environmental Quality
Hathaway Building
Cheyenne, Wyoming 82002



Re: Telephone conversation, June 30, 1976
between Mr. Tom McDill of Worthington,
Lenhart & Carpenter, Inc., and Mr. Jake
Strohman, Department of Environmental
Quality.

Dear Jake:

We have met with Kent George, Airport Manager and the sole contractor on the Airport sewage job, John and Dale Munsinger of Central Contractors. As per our referenced telephone conversation, the lower lagoon has been tabled. The outflow structure (pipe and apron) has been deleted on the level regulating manhole. A reasonable price has been extended by the Contractor to excavate the long island in the existing lagoon and place the material on the existing high wall. This will provide for good circulation throughout the lagoon.

The bid received was \$45,150.00. With deleted work as spelled out above, the new price ought to be less than \$25,000 and is expected to be offered this week. Work will begin with a joint effort by the Airport maintenance crew and the Contractor to drain the area to be trenched for the sewer line.

This should rectify the over-the-surface flow of the sewage and provide adequate depth and form on the existing lagoon.

Sincerely your,


Thomas P. McDill

TPM/lp

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Natrona County Airport Sewage Improvements, Casper, Wyoming

ARCHITECT OR ENGINEER: Thomas McDill, P.E. Worthington, Lenhart, Carpenter and Ladd,
Inc., 632 South David, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-141

REVIEWING ENGINEER: *JL* Jake Strohman, William L. Garland, P.E. *wsg*

DATE OF REVIEW: June 7, 1976

ACTION: Construction Authorized. (See compliance items listed below).

COMMENTS:

1. S-1, PVC sewer pipe shall conform to ASTM D 3034.
2. Dike width shall be of sufficient width to allow maintenance.
3. Need compaction specifications for dike embankments.
4. Install overflow control as close to the south end of dike separating ponds as possible to prevent short circuiting.

cc: Nix Anderson
Kent George, Natrona County International Airport

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Eastgate Addition, Cardiff and Carriage Lane, Sewer and Water Extension
Casper, Wyoming

ARCHITECT OR ENGINEER: E.C. Lenhart, P.E., Casper Board of Public Utilities
136 West 8th Street
Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-142

REVIEWING ENGINEER: Jake Strohmman, William L. Garland, P.E. *WLG*

DATE OF REVIEW: June 10, 1976

ACTION: Construction Authorized

COMMENTS:

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Jaygee Brothers Industrial Park, Waste Treatment Facility, Evanston, Wyoming,
Uinta County

ARCHITECT OR ENGINEER: John A. Proffit, P.O. Box 746, Evanston, Wyoming 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 76-143

REVIEWING ENGINEER: ^{DWH} David W. Hill, William L. Garland, P.E. ^{WLG}

DATE OF REVIEW: July 9, 1976

ACTION: Authorized for Construction

COMMENTS: The "as built" system will handle a flow of 5000 gallons a day. Flows over this amount will require new facilities and authorization from DEQ. It must be emphasized that all new industrial wastewater facilities built in this industrial park will require a construction permit from our division. Failure to do so will result in penalties as provided for in the Wyoming Environmental Quality Act.

cc: Jay Ellingford, 264 Highway 30 East, Evanston, Wyoming 82930

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 76-143

Jaygee Brothers Industrial Park
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Ellingford</u> (Last)	<u>Jay</u> (First)	<u></u> (Middle)
<u>264 Highway 30 East</u> (Street or P.O. Box)		
<u>Evanston</u> (City)	<u>Uinta</u> (County)	<u>Wyoming</u> (State)

to construct, install, or modify a Waste Treatment Facility
facility located in Evanston, Wyoming
(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 P. Paulson
Director
Wyoming Dept. of Environmental Quality

July 9, 1976

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Sunrise Hills, Casper, Wyoming

ARCHITECT OR ENGINEER: E.C. Lenhart, P.E., Casper Board of Public Utilities
136 West 8th Street, Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 76-144

REVIEWING ENGINEER: Jake Strohmman, William L. Garland, P.E. *WLG*

DATE OF REVIEW: June 9, 1976

ACTION: Construction Authorized

COMMENTS:

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-145

Richins Addition

(Name of Facility)

This permit hereby authorizes the applicant:

City of Worland
(Last) (First) (Middle)
P.O. Box 226
(Street or P.O. Box)
Worland Washakie Wyoming 82401
(City) (County) (State)

to construct, install, or modify a Water and Sewer Extension
facility located in the City of Worland
(Legal Description)

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

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

June 24, 1977

Date of Issuance

cc: John W. Donnell, P.E., P.O. Box 13, Worland, WY 82401

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Watson Motor Company, Sec. 15, T32N, R71W
Converse County

ARCHITECT OR ENGINEER: John Lambert, P.E., P.O. Box 34, Douglas, Wyoming 82633

WATER QUALITY DIVISION REFERENCE NUMBER: 76-146

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. *WLG*

DATE OF REVIEW: June 9, 1976

ACTION: Construction is not Authorized

COMMENTS:

The domestic waste system is acceptable. The entire wastewater disposal system needs a permit. Furnish design and layout for other wastewater disposal.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Watson Motor Co. Sec 15, T32N, R71W, Converse Co.

ARCHITECT OR ENGINEER: John Lambert, P.E., P.O. Box 34, Douglas, Wyoming 82633

WATER QUALITY DIVISION REFERENCE NUMBER: 76-146R

REVIEWING ENGINEER: Jake Strohman, William L. Garland, P.E. *WLG*

DATE OF REVIEW: 6/24/76

ACTION: CONSTRUCTION AUTHORIZED (SEE COMMENTS)

COMMENTS:

1. Waste from sand and grease traps shall be disposed in sanitary landfill.
2. Ensure not over 225 gallons per day is not run through floor drain as this is the max that the disposal pit was designed for.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-147

Minesite Septic Sewage System
(Name of Facility)

This permit hereby authorizes the applicant:

Public Service Company of Oklahoma
(Last) (First) (Middle)

P.O. Box 6528
(Street or P.O. Box)

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

to construct, install, or modify a Septic Sewage System
facility located in Section 22, T58N, 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 P. Garland
Director
Wyoming Dept. of Environmental Quality

July 8, 1976
Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: South Pass City Water System Additions, South Pass City, Wy. Fremont County

ARCHITECT OR ENGINEER: Jim Gores, Nelson, Haley, Patterson, and Quirk, Inc.
625 East Madison, Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 76-148

REVIEWING ENGINEER: ^{DWH} David W. Hill, William L. Garland, P.E. ^{WJG}

DATE OF REVIEW: 6/24/76

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The plans shall be signed by an engineer registered in the State of Wyoming.

WATER LINES

2. A detailed drawing of the fire hydrant installation including thrust blocking and seepage pit must be submitted. The hydrant drain must be plugged if ground water rises above the drain port.
3. Thrust blocking details must be submitted (i.e.-drawing).
4. A detail drawing of the water-sewer crossing needs to be submitted. Adequate structural support for the sewer line needs to be provided to prevent excessive deflection of the joints and settling on and breaking the water mains. A length of water pipe and sewer pipe need to be centered at the point of the crossing so that the joints will be as far as possible from the point of crossing.

WELL

5. Provisions shall be made for periodic measurements of static and pumping water levels in the completed wells.
6. The well must be vented.
7. The specifications shall include provisions for bacteriological testing of the well to insure that well disinfection has been complete.
8. The well pit shall be provided with a vent pipe which extends at least 24 to 36 inches above the ground.

REVIEW OF PLANS AND SPECIFICATIONS CONTINUED

SOUTH PASS CITY WATER SYSTEM ADDITIONS

PAGE 2

9. The well pit shall be provided with a solid waterproof cover which can be locked.
10. The well pit shall be provided with a sump pump.

STORAGE TANK

11. The vent pipe shall be at least 24-36 inches above ground elevation or the maximum known flood elevation.
12. The manhole entrance to the underground storage tank shall be 24-36 inches above the ground, or in this case (esthetics) we will allow it to be provided with a solid waterproof cover.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 76-148R

South Pass City Water System Additions
(Name of Facility)

This permit hereby authorizes the applicant:

Wyoming Recreation Commission
(Last) (First) (Middle)
604 East 25th Street
(Street or P.O. Box)
Cheyenne Wyoming 82001
(City) (County) (State)

to construct, install, or modify a Water System
facility located in South Pass City, Wyoming
(Legal Description)

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

Authorized by:

William J. Garland
Director
Wyoming Dept. of Environmental Quality

August 2, 1976

Date of Issuance

cc: John M. Childers, Nelson, Haley, Patterson, and Quirk, Inc.,
625 East Madison, Riverton, Wyoming 82501

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: South Pass City Water System Additions, South Pass City, Wyoming,
Fremont County

ARCHITECT OR ENGINEER: John M. Childers, Nelson, Haley, Patterson, and Quirk,
Inc., 625 East Madison, Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 76-148R

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. *WLG*

DATE OF REVIEW: August 2, 1976

ACTION: Authorized For Construction

COMMENTS:

- 1) Every new ground water source shall be examined for chemical characteristics by tests of a representative sample in a laboratory. The results shall be sent to our Department.
- 2) Indications are that South Pass City is not presently on our water supply bacteriological sampling program. I have asked Mr. Robert Pinther (Water Supply Division) to arrange with the Wyoming Recreation Commission a sampling program for South Pass City.

cc: Wyoming Recreation Commission, 604 East 25th Street, Cheyenne, Wyoming 82001

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Colorado Interstate Gas Company Trailer Court, Sweetwater County
Wamsutter, Wyoming

ARCHITECT OR ENGINEER: D. G. Swope, Project Engineer, Colorado Interstate Gas Company
P.O. Box 1087 Colorado Springs, Colorado 80944

WATER QUALITY DIVISION REFERENCE NUMBER: 76-50

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. *W.S.G.*

DATE OF REVIEW: 6/24/76

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The plans must be signed by a professional engineer registered in the State of Wyoming.
2. Man holes must be placed a maximum of every 400 ft. The distance from the cleanout to the lift station is by my calculation 495 ft., therefore, a manhole must be placed in the gravity 6 inch. PVC line. We recommend placing the manhole at a spot 150 fr. from the cleanout. Details of the manhole must also be submitted.
3. Each sewer riser shall be protected at the ground surface by a concrete pad, a minimum of 4 inches thick and 12 inches in diameter. A gravel pad will not suffice.
4. The plastic PVC pipe used for waterlines shall be NSF approved. This should be indicated on the plans.
5. Provisions for water line disinfection prior to use must be provided for. The water lines shall be disinfected according to AWWA Standard C601-68 "Disinfecting Water Mains."
6. Details (drawings and/or specifications) shall be provided for bedding details of the water and sewer lines. A detail drawing showing the bed class used and wording explaining the installation and backfilling procedures will be sufficient.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Colorado Interstate Gas Company Trailer Court,
Sweetwater County, Wamsutter, Wyoming

ARCHITECT OR ENGINEER: Paul McCarthy, Robert Jack Smith and Associates,
P.O. Box 1104, Rawlins, Wyoming 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 76-150R

REVIEWING ENGINEER: David W. Hill, William L. Garland, P.E. *any*

DATE OF REVIEW: November 16, 1976

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

COMMENTS:

WATER SYSTEM

- 1) The 2½ inch water mains should be looped (highly recommended).
- 2) If looping involves crossing sewer lines, water-sewer line crossover details shall be shown.
- 3) All dead ends, if used, need a blowoff or a flushing hydrant. The water lines cannot end in a mobile home connection.

SEWER SYSTEM

No Comments.

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 76-150RR

Colorado Interstate Gas, Wamsutter Mobile Home Court
(Name of Facility)

This permit hereby authorizes the applicant:

Colorado Interstate Gas Company
(Last) (First) (Middle)
P.O. Box 1087
(Street or P.O. Box)
Colorado Springs Colorado 80944
(City) (County) (State)

to construct, install, or modify a Water and Wastewater System
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 S. Gardner
Director
Wyoming Dept. of Environmental Quality

December 17, 1976

Date of Issuance

cc: Paul McCarthy, Robert Jack Smith and Associates, Inc., P.O. Box 1104,
Rawlins, Wyoming 82301