

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-201

Circle Drive Water Extension
(Name of Facility)

This permit hereby authorizes the applicant:

North Platte Water and Sewer District
(Last) (First) (Middle)
c/o Global Engineering
P.O. Box 532
(Street or P.O. Box)
Casper Natrona Wyoming 82601
(City) (County) (State)

to construct, install, or modify a Water Extension
facility located in Wyoming Industrial Park Subdivision
(Legal Description)

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

Authorized by:

William J. Paulson
Administrator
Water Quality Division

Robert E. Sunden
Director
Wyoming Dept. of Environmental Quality

June 1, 1977

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Debenardi Brothers - Interstate Park, Lot 22, Wastewater Disposal,
Natrona County

ARCHITECT OR ENGINEER: Harry O. Patterson, P.E., Debenardi Brothers, Inc.,
563 G Street, Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 77-202

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

DATE OF REVIEW: May 25, 1977

ACTION: CONSTRUCTION IS NOT AUTHORIZED

- COMMENTS:
1. What is the percolation rate? Is there any groundwater or impervious layers within 8 feet of the surface? Is the bed bottom to be level?
 2. What are the septic tank specifications (accesses, baffles, compartments, material thickness, strength, etc.)?
 3. Material specifications for gravel.
 4. Show design information (types and amounts of wastes). Is there any other types of wastewater to be disposed of?

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-202R

Debenardi Brothers Wastewater Disposal
(Name of Facility)

This permit hereby authorizes the applicant:

Debenardi Brothers, Inc.
(Last) (First) (Middle)
563 G Street
(Street or P.O. Box)
Rock Springs Wyoming 82901
(City) (County) (State)

to construct, install, or modify a Wastewater Disposal
facility located in Lot 22, Interstate Park
(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. Ireland
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

June 23, 1977

Date of Issuance

cc: Harry O. Patterson, P.E., 437 S. Spruce, Casper, WY 82601

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-203

Kin-TEX Equipment Company
(Name of Facility)

This permit hereby authorizes the applicant:

Kinsey T. F.
(Last) (First) (Middle)

P.O. Box 2401
(Street or P.O. Box)

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

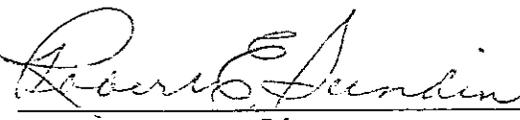
to construct, install, or modify a Wastwater Disposal
facility located in Section 29, T34N, R79W
(Legal Description)

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

Authorized by:



Administrator
Water Quality Division



Director
Wyoming Dept. of Environmental Quality

June 9, 1977

Date of Issuance

cc: Nix Anderson

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

State Office Building

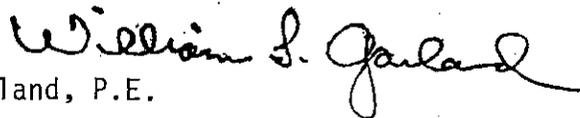
Cheyenne, Wyoming 82002

PROJECT: Keenan Pipe and Supply Company, Wastewater Disposal, Section 20,
T34N, R97W, Wardwell Water and Sewer District

ARCHITECT OR ENGINEER: Edwin S. Rate, Jr. - Western Construction, Inc.,
Box 930, Casper, Wyoming 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 77-205

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



DATE OF REVIEW: 6-7-77

ACTION: CONSTRUCTION IS NOT AUTHORIZED

COMMENTS: INCOMPLETE

1. What is the percolation rate? Physically determine in area of leach field.
2. Show how flow estimation was determined.
3. What is the slope of the disposal bed bottom?
4. Provide material and installation specifications (pipe, septic tank, gravel, etc.)
5. Physically determine if groundwater or impervious layer exists within 8 ft. of the surface.
6. State any wastewater, sumps, oils, gravels, chemical, etc., which will require wastewater facilities or indicate methods of disposal.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-205R

Keenan Pipe & Supply Sewage Disposal
(Name of Facility)

This permit hereby authorizes the applicant:

Rate	Ed	
(Last)	(First)	(Middle)
Western Construction, Inc.	P.O. Box 930	
(Street or P.O. Box)		
Casper,	Natrona	Wyoming 82602
(City)	(County)	(State)

to construct, install, or modify a Sewage Disposal
facility located in Section 20, T34N, R79W
(Legal Description)

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

Authorized by:

William L. Ireland
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

August 4, 1977
Date of Issuance

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

REVIEW OF PLANS AND SPECIFICATIONS

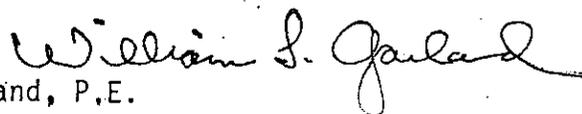
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Frankovic Addition and Estates Addition, Water & Sewage
Extension - City of Buffalo.

ARCHITECT OR ENGINEER: Gene R. Roccabruna, P.E., Basin, WY 82410

WATER QUALITY DIVISION REFERENCE NUMBER: 77-207

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



DATE OF REVIEW: June 7, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
- 1) The general layout map should include elevation contours and layout of water and sewer lines. A location map is also required.
 - 2) With the depth of sewer lines as noted in the plan and profile portion of the plans indicates a problem in complying with the separation of water and sewer crossings per section 15 of our Chapter III, Regulations.
 - 3) Maximum distance between manholes is 400 ft.
 - 4) AWWA C600 indicates the duration of each hydrostatic test shall be at least 1 hour. Please clarify.
 - 5) Infiltration maximum is 200 gallons per inch of diameter per mile per day for any section of the system. There should be an exfiltration test also.
 - 6) There should be a specification on excessive side fill pressures or ovalation of the sewer pipes.
 - 7) Typical drawings of water service line and sewer service line should be submitted.
 - 8) The enclosed application form shall be completed and returned along with the requested information.
 - 9) In Section 01080 Applicable Codes should state Wyoming Department of Environmental Quality Regulations.
 - 10) Section 01010 refers to Klondike PUD, please clarify.
 - 11) Water and sewer line crossings are not per our regulations.

Frankovic Addition and Estates Addition, Water & Sewer Extension - City
of Buffalo

77-207

- 12) What is the size of the existing sewer line?
- 13) Can the water lines be looped?
- 14) Provide design calculations on sewer flows and water flows.
- 15) Any service tap that will serve two or more buildings will require a permit from this office.
- 16) This cannot be considered a final review.

DHK/jo

cc: R. G. Stuckert and Associates, Inc., P.O. Box 901, Buffalo, WY 82834
City of Buffalo, P.O. Box 430, Buffalo, WY 82834

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-207R

Frankovic and Estate Addition, Town of Buffalo
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Frankovic</u> (Last)	<u>R.</u> (First)	<u>L.</u> (Middle)
<u>294 N. Main</u> (Street or P.O. Box)		
<u>Buffalo</u> (City)	<u>Johnson</u> (County)	<u>Wyoming 82834</u> (State)

to construct, install, or modify a Water Distribution and Sewage Collection
facility located in Section 33, T51N, R82W
(Legal Description)

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

Authorized by:

William J. Galand
Administrator
Water Quality Division

Robert E. Austin
Director
Wyoming Dept. of Environmental Quality

August 29, 1977

Date of Issuance

cc: R. G. Stuckert & Associates, P.O. Box 901, Buffalo, WY 82834

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-208

Wyodak Village First Extension

(Name of Facility)

This permit hereby authorizes the applicant:

Wyodak Resources Development Corp. Att. W. J. Westre
(Last) (First) (Middle)

Garner Lake Route

(Street or P.O. Box)

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

to construct, install, or modify a Wastewater Collection

facility located in Section 22, T50N, R71W

(Legal Description)

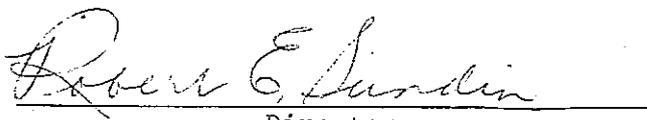
in the County of Campbell, in the State of

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:


Administrator
Water Quality Division


Director
Wyoming Dept. of Environmental Quality

July 26, 1977

Date of Issuance

cc: Tim & Associates, P.O. Box 726, Gillette, WY 82716

May 18, 1978

Mr. Frank Cole, P.E.
425 Cole Shopping Center
Cheyenne, Wyoming 82001

SUBJECT: The Bluffs, Water and Sewer System
DEO Reference Number 77-209

Dear Mr. Cole:

This office recently received from you a card, indicating that the subject facility had been constructed. You indicated that you had received no comments from our office. I had been under a different impression, but upon checking our files I found your assessment to be correct.

I recall having at least one telephone conversation with you about the project, and also a conversation with Ray Sherard. I apparently failed, however, to write down my comments.

Upon reviewing the plans for the water and sewer, I find that my comments were of a relatively minor nature, and do not warrant any further action at this time. You may, therefore, consider the project approved and free of legal liability for construction without a permit.

I apologize for not sending you my comments. Since the time that the above incidents occurred, our office policies regarding permit applications have been formalized, and I don't feel that this situation will happen again.

Thank you for responding to the card so promptly.

Yours truly,



Tom Mueller
Environmental Engineer

TM/do

cc: Chronological File

REVIEW OF PLANS AND SPECIFICATIONS

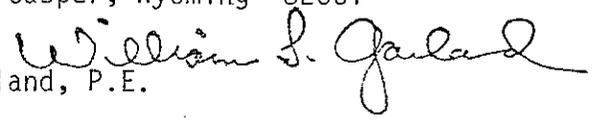
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Goodall Rubber Company, Wastewater Disposal, Natrona County

ARCHITECT OR ENGINEER: Harry O. Patterson, P.E., Commercial Building System Corp.
1971 East Yellowstone
Casper, Wyoming 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 77-210

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



DATE OF REVIEW: 6-3-77

ACTION: CONSTRUCTION NOT AUTHORIZED

COMMENTS: Provide design flow estimations, type of wastes in sump, chemicals used in building, material specifications, slope of leach bed, groundwater elevation within 8 ft. of surface, etc.

REVIEW OF PLANS AND SPECIFICATIONS

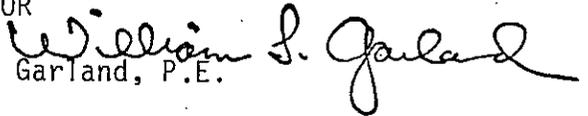
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Goodall Rubber Company, Wastewater Disposal System, Sec. 34,
T34N, R80W, Natrona Co., WY

ARCHITECT OR ENGINEER: Harry Patterson, P.E. - 437 S. Spruce, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 77-210R

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



DATE OF REVIEW: 6-15-77

ACTION: CONSTRUCTION IS NOT AUTHORIZED

COMMENTS:

1. Is a water line located within 25 ft. of septic tank or leach field?
2. Furnish design information and specifications on sump disposal system.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-210RR

Goodall Rubber Company
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Peters</u> (Last)	<u>Gordon</u> (First)	<u>T.</u> (Middle)
<u>1971 E. Yellowstone</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 Wastewater Disposal
facility located in Section 34, T34N, R80W
(Legal Description)

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

Authorized by:

William J. Cleveland
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

June 24, 1977

Date of Issuance
cc: Harry Patterson, P.E., 437 S. Spruce, Casper, WY 82601

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-211

Highland Park Development

(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities

(Last)

(First)

(Middle)

136 W. 8th Street

(Street or P.O. Box)

Casper

(City)

Natrona

(County)

Wyoming 82601

(State)

to construct, install, or modify a Sewer Relocation

facility located in the City of Casper

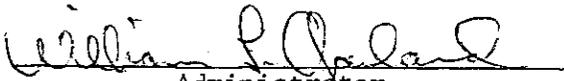
(Legal Description)

in the County of Natrona, in the State of

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

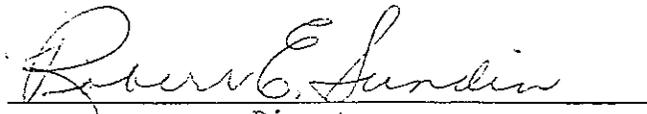
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:



Administrator

Water Quality Division



Director

Wyoming Dept. of Environmental Quality

June 9, 1977

Date of Issuance

cc: Russell L. Donley, P.E., 501 N. Sun Drive, Casper, WY 82601

Western Engineers & Architects

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-212

Buttrely Osco Store

(Name of Facility)

This permit hereby authorizes the applicant:

Buttrely Food Stores

(Last)

(First)

(Middle)

P.O. Box 5008

(Street or P.O. Box)

Great Falls

Cascade

Montana

59403

(City)

(County)

(State)

to construct, ~~XXXXXXXXXXXXXXXXXXXX~~ water distribution and sewer collection

facility located in Section 27, T49N R72W City of Gillette

(Legal Description)

in the County of Campbell, in the State of

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

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

Authorized by:

William L. [Signature]
 Administrator
 Water Quality Division

[Signature]
 Director
 Wyoming Dept. of Environmental Quality

June 29, 1977

Date of Issuance

cc: The A&E Partnership, Rex Hotel Building, 2401 Montana Avenue, Billings, Montana 59101

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: North Morton Ranch Mine Waste Water Treatment Ponds - Converse Co.
SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 14, T36N, R73W, Owner - United Nuclear, P.O. Box 2996,
Casper, WY 82602

ARCHITECT OR ENGINEER: None

WATER QUALITY DIVISION REFERENCE NUMBER: 77-213

William L. Garland

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

DATE OF REVIEW: 6-7-77

ACTION: CONSTRUCTION IS NOT AUTHORIZED

- COMMENTS:
1. Plans require seal or signature of engineer licensed to practice in the State of Wyoming.
 2. Provide specifications for pipe, dike compaction, inlet and outlet structures, etc.
 3. Furnish design information (quality of influent, pond sizes, detention time, theoretical % of removal, etc.)

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-213R

North Morton Ranch Mine
(Name of Facility)

This permit hereby authorizes the applicant:

United Nuclear Corporation
(Last) (First) (Middle)
Mining and Milling Operations
P.O. Box 2996
(Street or P.O. Box)
Casper Wyoming 82602
(City) (County) (State)

to construct, install, or modify a Wastewater Treatment
facility located in SE $\frac{1}{4}$, SW $\frac{1}{4}$, Sec. 14, T36N, R73W
(Legal Description)

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

Authorized by:

William J. Gaudin
Administrator
Water Quality Division

Robert E. Burton
Director
Wyoming Dept. of Environmental Quality

August 5, 1977
Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

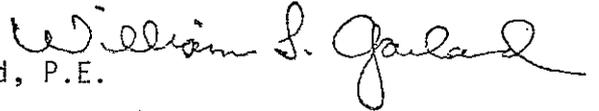
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Bucyrus - Erie Company - Gillette

ARCHITECT OR ENGINEER: Applicant - Bucyrus - Erie Company, Recluse Rt.
Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-214

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



DATE OF REVIEW: 6-3-77

ACTION: NOT AUTHORIZED FOR CONSTRUCTION, SEE COMMENTS.

COMMENTS: According to Wyoming Water Quality Rules and Regulations, Chapter III, Section 3, Subpart K, "Small Wastewater Facilities" means sewage systems, disposal and treatment works for a single family house, or a single mobile home unit. Therefore, state regulations require that the application for a permit to construct wastewater facilities for other than single family residence shall carry the seal or signature of the designing engineer, who is a registered engineer in the State of Wyoming. The application also include 2 sets of all plans and specifications. We will process your application upon receipt of the aforementioned requirements.

DHK/jo

cc: Contractor: Landmark, Inc., Box 1809, Gillette, WY 82716

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Whitlock Construction and Supply, Wastewater Disposal System, Box 981,
Powell, Wyoming 82440

ARCHITECT OR ENGINEER: None Listed

WATER QUALITY DIVISION REFERENCE NUMBER: 77-215

William L. Garland

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

DATE OF REVIEW: 6-2-77

ACTION: CONSTRUCTION IS NOT AUTHORIZED

COMMENTS: This is not a small wastewater facility. The sewage system requires the seal or signature of an engineer licensed to practice in the State of Wyoming. Give design information (estimated flow, employees, users). Are any chemicals or oils to be disposed? Where is the water well or water lines located?

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-215R

Whitlock Construction and Supply, Inc.
(Name of Facility)

This permit hereby authorizes the applicant:

Fisher Donald P.
(Last) (First) (Middle)

Box 981
(Street or P.O. Box)

Powell Park Wyoming 82435
(City) (County) (State)

to construct, install, or modify a Wastewater Disposal
facility located in Tract 6, Lot 68, T55N, R99W
(Legal Description)

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

Authorized by:

William R. DeLand
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

June 23, 1977
Date of Issuance

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-217

Harper Valley Industrial Park
(Name of Facility)

This permit hereby authorizes the applicant:

C. P. Company (a joint Venture)
(Last) (First) (Middle)
1780 Westland Road
(Street or P.O. Box)
Cheyenne Laramie Wyoming 82001
(City) (County) (State)

to construct, install, or modify a Water and Sewer Main
facility located in Section 1, T13N, R67W
(Legal Description)

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

Authorized by:


Administrator
Water Quality Division


Director
Wyoming Dept. of Environmental Quality

June 9, 1977

Date of Issuance

cc: Christian, Spring, Sielbach and Associates, 1780 Westland Road, Cheyenne, WY 82001
Don Pack, Director, Environmental Health, City-County Health Unit, 215 W. 20th
Cheyenne, WY 82001

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Mountain View Subdivision, Temporary mobile home park

ARCHITECT OR ENGINEER: C.S.S.A. P.O. Box 943, 1780 Westland Road, Cheyenne, Wyo. 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 77-219

REVIEWING ENGINEER: R.E.P. William L. Garland, P.E.

DATE OF REVIEW: June 15, 1977

ACTION: Not authorized for construction.

COMMENTS:

1. Final authorization for construction is not to be issued pending receipt of letter of verification from the City of Newcastle Water District that they can provide services.
2. AWWA specifications C-110-64 for cast iron fittings and C-502-54 for fire hydrants are outdated, please revise.
3. Section 4, Gate valves and boxes under specifications of water main construction lists AWWA tentative specification C-500 latest edition, please clarify.
4. The design working pressure for all gate valves 3 - 12 inches in diameter has been increased from 175 psi to 200 psi according to the latest AWWA C-500-71, please revise.
5. The bedding specifications should include such statements that stones found in the trench shall be removed for a depth of at least 6 inches below the bottom of water main.
6. Your specifications under sewer services indicate that "Wye" and "tee" are concurrent. Only "Y" branches are acceptable.
7. Disinfection of the water line shall comply with AWWA C-601-68. The chlorine residual after 24 hours shall not be less than 25 ppm. Bacteriological tests after final flushing are also required.
8. Ends of sewer lines must have manholes or if less than 150 feet distance from another manhole a clean-out may be used (see sheet 12).
9. Deadend water lines must have a fire hydrant or a flushing hydrant (see sheet 7).
10. 200 class pvc water pipe must have a SDR of 14 inches by AWWA C-900 standards. Please revise your specifications.

Review of Plans & Specs.

June 29, 1977

Page Two

11. Submit details and design calculations on water demands (including fire flows, and sewer flows). Without any storage, how can the fire flows be handled? Will the lift station, out fall sewer lines and sewage lagoon handle the additional flows?

This cannot be considered a final review.

cc: Kerr McGee Coal Co.,
Oklahoma City
Oklahoma

CSSA
P.O. Box 943
1780 Westland Road
Cheyenne, Wyoming 82001

File

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Mountain View Subdivision, Temporary Mobile Home Park

ARCHITECT OR ENGINEER: C.S.S.A., P.O. Box 943, Cheyenne, Wyoming 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 77-219R

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

DATE OF REVIEW: August 1, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. The information contained in the truck line sewer study indicates the existing system will not handle the additional flow from the mobile home park.
 2. Without information on the existing fire flow requirements, and peak flow requirements of the salt creek water district a determination cannot be made as to the adequacy of the system to supply the needs of the mobile home park.

REP/jo

cc: W.E. Mclean, General Manager, Kerr McGee Corp., Kerr McGee
Center, Oklahoma City, OK 73125

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Green Valley Estates, Water and Sewer, Campbell County

ARCHITECT OR ENGINEER: S & R Land Company, 1709 Carey Avenue, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 77-218

William S. Garland

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

DATE OF REVIEW: July 13, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. What is the temporary connection at manhole 6 for?
 2. How is water supplied to the sewage treatment plant?
 3. Please submit the highway crossing details.
 4. Plan and profile sheets indicate two manholes in Andover Drive but only one is shown on the overall plan view sheet, please clarify.
 5. Is there supposed to be a manhole at station 32 + 00 on Holly Circle? (Page 19 of 25)
 6. How will Lots 10 and 11 of Evans Street be served with the sewer?
 7. What will be done with the sludge from the sewage treatment facility?
 8. Please submit more information about the sewage treatment facility. i.e.: design flows, peak flows, size of filter, filter design, backwash design, filter media, details of the hydraulics of the facility, details of the overflow tank, etc.
 9. What is the peak flow and fire flow of the water system?
 10. What are the water saving devices?
 11. Will the water tank meet the AWWA specifications?
 12. Is the chlorinator at the waste treatment facility a gas type? Show details.
 13. This cannot be considered a final review.

REVIEW OF PLANS AND SPECIFICATIONS

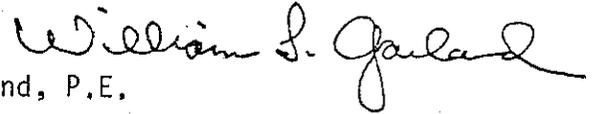
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Green Valley Estates, Water and Sewer, Campbell County

ARCHITECT OR ENGINEER: S & R Land Company, 1709 Carey Avenue, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 77-218R

REVIEWING ENGINEER: Roy E. Prior, ^WWilliam L. Garland, P.E.



DATE OF REVIEW: August 10, 1977

ACTION: -- NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. The highway crossings are not acceptable. The details should include blocking, type of pipe, type of joints, installation procedures, sleeve ends, etc.
 2. The match lines and plan views of Holly Circle showing the break lines in the sewer line are not consistent with the over all plan view. Are there one or two manholes? Will the water lines be 10 feet horizontally from the sewer lines and manholes? Will there be straight alignment between manholes?
 3. Sewer line on Evans Street should be extended to serve lots 10 & 11.
 4. Will the sewer line behind lots 1 & 2, Block 11 terminate with a manhole or cleanout? Both are specified and due to the distance involved a manhole will be required.
 5. Please provide design flows (i.e. - average, peak, etc.) for the sewage treatment plant.
 6. Please provide the hydraulic information for each unit in the plant. This must be all of the flow into and out of the unit.
 7. LIFT STATION
 - A. Can the submersible pumps be removed and replaced without dewatering the wet well and with the continuity of operation of the other unit?
 - B. Are the pumps capable of unsubmerged operation?

Green Valley Estates, Water and Sewer, Campbell County

77-218R

- C. What size of solids can the pumps handle?
- D. What will be done with the grit and screening?
- E. Can it be cleaned?
- F. How will the grit chamber work?
- G. Will the influent shoot past the grit chamber?
- H. Will the volume of the overflow basin provide adequate protection for the facility.
- I. How will it be emptied?

8. CLARIFIER

- A. What is the hydraulic design criteria for clarifier?
- B. What is the peak hourly surface loading rate?
- C. What is the peak hourly overflow rate per foot of wier.

9. STATIC MIXER

- A. Provide design data.
- B. Can it be cleaned or repaired without shutting the plant down?

- 10. Please provide details on the vacuum filter.
- 11. Please provide details on the disinfection tank.
- 12. Please provide details on the butch tank.
- 13. Without the hydraulic information on the plant it cannot be determined what size of filters and pumps are required. The preliminary information would indicate the filters are too small.
- 14. What type of media will be in the filter?
- 15. What is the duration and rate of backwash?
- 16. Does all of the domestic water go through an air gap or backflow preventor?
- 17. Can the flow meter be bypassed for repairs?
- 18. What is the Ph profile of the plant? Will there be a need for Ph control?

Green Valley Estates, Water and Sewer, Campbell County

77-218R

19. The water tank steel is too thin. AWWA require the tank to be a minimum of 0.25 inches.
20. Are the gaskets NSF approved or FDA approved for public water?
21. Provide details on water tank base.
22. This cannot be considered a final review.
23. Provide a letter of agreement from the county landfill agency stating they will accept your sludge, screenings and grit.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Green Valley Estates, Water and Sewer

ARCHITECT OR ENGINEER: S & R Land Company, 1709 Carey Avenue, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 77-218RR

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

DATE OF REVIEW: 8-22-77

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

COMMENTS:

1. The highway crossing details submitted are not complete. The specifications should provide that the skids and position braces used in the highway crossings will prevent the movement of the pipe in all directions perpendicular to the direction of flow. What lubrication will be used to pull or push the pipe through the sleeve? Provide details on how the closings will be constructed (i.e. materials, thickness, drainage, installation, etc.) Details should be provided regarding the slope of the sleeve and how it will be installed to maintain the grade of the sewer lines, testing requirements and other specifications necessary to ensure proper installation. If grouting is used the specifications should include type and method of installation. Please justify the use of grouting.
2. The information supplied was too limited and sketchy to evaluate the treatment capabilities of the waste treatment plant. More specific information must be supplied. This information should include, but not limited to, manufacturer's drawings and/or design drawings showing sizes, dimensions, hydraulic profiles, and operational design for each unit in the facility. Provide information on how the design flows were obtained, how the whole plant is going to work both hydraulically and chemically.
3. The information provided on the base for the water tank is not clear. Is it going to be a sand base with a concrete ring or a steel band? Provide details on the construction of the base, i.e. type, materials, placement, etc.
4. Provide letter from landfill.
5. This cannot be considered a final review.



Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: William L. Garland, Administrator, Water Quality Division
FROM: Roy E. Prior, ^{ES} Environmental Engineer, Water Quality Division
DATE: September 29, 1977
SUBJECT: Green Valley Estates, Reference No. 77-218RRR

Please consider the following for your determination of issuing a permit to construct.

1. Specifications call for the use of ductile iron pipe and as casing material. It is to be field welded for the joining two sections. I would question the use of ductile iron and the ability of field welding it.
2. The bar screen in the lift station has 1½ inch openings which is under the maximum limit of 2½ inches set by 10 State Standards. The pump is capable of passing a 2 inch solid and has 2 inch flanged discharge. Ten State Standards indicates a pump shall pass a 3 inch sphere and have a 4 inch discharge opening.
3. The plans call for a reduced pressure backflow preventor but the specifications call for a double check valve assembly. Due to the possible cross connection possibilities between the public water supply and the sewage I would recommend the reduced pressure backflow preventor.
4. The filters are too small. They have a surface loading rate of 20 gpm per square foot of filter bed area. They propose a backwash during the time of low flow but at this high of a loading rate I would wonder if backwashing during low flow only can be achieved. The plant is sized for a 100 gpm which is peak flow without backwash. From the data submitted it says the backwash rate is 70 gpm which if applied to the area of the filter would be less than the 20 gpm per square foot of filter bed. Nothing was submitted to justify the higher rates except the manufacturers detail sheets.

Memorandum
September 29, 1977
Page 2

5. There is no digestion of solids but there is a letter from the City of Gillette saying they will accept the sludge.
6. There is no O & M Manual provided for this process. One was submitted for the other process.
7. The base for the water tank is to be a sand base with a steel ring. There are no details on thickness, width, diameter or finish of the ring. The type of vapor barrier was not specified.
8. I am not sure the treatment facility will meet the discharge permit requirements.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Green Valley Estates, Water and Sewer, S&R Land Company,
523 W. 27th, Cheyenne, WY 82001

ARCHITECT OR ENGINEER: Barbara Scott, P.E., #596

WATER QUALITY DIVISION REFERENCE NUMBER: 77-218RRR

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

DATE OF REVIEW: October 3, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

COMMENTS: Approval is contingent upon compliance with the standards for the following items:

1. The manufacturer's specifications on the lift station pumps indicate the pump is capable of passing a 2" solid and has a 2 inch flanged discharge. The design standards (page 32, Section 32.33) specifies that the pump "shall be capable of passing spheres of at least 3 inches in diameter." It further indicates that pump suction and discharge openings shall be at least 4 inches in diameter.
2. On page 45, Section 46.23 of the standards, where a potable water supply is to be used for any purpose in a plant other than those used for a lavatory sink water closet, laboratory sink, shower, drinking fountain or outside hydrants, must have "a break tank, pressure pump and pressure tank." "Water shall be discharged to the break tank through an air-gap at least 6 inches above the maximum flood line or spill line of the tank, whichever is higher." The plans indicate a reduced pressure backflow preventor; the specifications a double check valve assembly.
3. The base for the water tank is indicated as a sand base with a steel ring. There are no details on the thickness, width, diameter, or finish on the ring. Also, The type of vapor barrier should be specified.

This office, upon compliance with the above items, will issue a "Permit to Construct" the described facility.

Green Valley Estates, Water and Sewer

77-218RRR

We do, however have serious reservations as to whether the facility will be capable of meeting the effluent limitations as specified in the NPDES permit for this facility. It appears that the filter rates specified by the manufacturer (20 gpm per sq. ft.) well exceeds rates recommended by other information sources available to the division staff. The issuance of such a permit does not, in any way, relieve the owners of the facility, the legal responsibilities as outlined in the NPDES permit.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-218RRRR

Green Valley Estates

(Name of Facility)

This permit hereby authorizes the applicant:

<u>Scott</u>	<u>Barbara</u>	<u>J.</u>
(Last)	(First)	(Middle)
<u>523 W. 27th</u>		
(Street or P.O. Box)		
<u>Cheyenne</u>	<u>Laramie</u>	<u>Wyoming 82001</u>
(City)	(County)	(State)

to construct, install, or modify a Public Water Supply & Wastewater Treatment
 facility located in Sections 23 & 24, T52N, R73W
 (Legal Description)

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

Authorized by:

William R. Garland
 Administrator
 Water Quality Division

Robert E. Durbin
 Director
 Wyoming Dept. of Environmental Quality

October 13, 1977

Date of Issuance

The treatment plant being constructed to provide the necessary wastewater treatment needs consists of a physical-chemical process. This process is the first to be constructed in the State of Wyoming treating domestic waste. Due to the lack of specific design standards for these types of treatment processes, it has been necessary for the Division to rely upon the information provided by the manufacturer and outside sources, in the review of the plant capability. Since certain aspects of the design are not consistent with available technological information, it is emphasized that it is the responsibility of the owners of the facility to insure that the facility meets all legal requirements as outlined in the NPDES permit (WY-0027260).

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-220

Monterey Heights Subdivision - Ninth Filing
(Name of Facility)

This permit hereby authorizes the applicant:

C.S.S.A. (for Poulos Investments)
(Last) (First) (Middle)
P.O. Box 943
(Street or P.O. Box)
Cheyenne Laramie Wyoming 82001
(City) (County) (State)

to construct, install, or modify a Water and Sewer Mains
facility located in Section 18, T14N, R66W
(Legal Description)

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

Authorized by:

William J. [Signature]
Administrator
Water Quality Division

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

June 9, 1977
Date of Issuance

cc: Don Pack, Director, Environmental Health, City-County Health Unit, 315 West 20th,
Cheyenne, WY 82001

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-221

Cheyenne Community Action Solar Greenhouse, Septic Tank System
(Name of Facility)

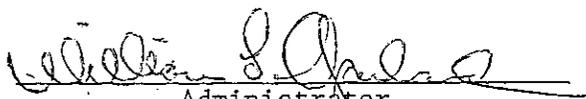
This permit hereby authorizes the applicant:

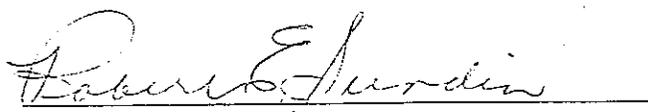
<u>Garber</u>	<u>Gary</u>	
(Last)	(First)	(Middle)
<u>1603 Central Avenue - Suite 400</u>		
(Street or P.O. Box)		
<u>Cheyenne</u>	<u>Laramie</u>	<u>Wyoming 82001</u>
(City)	(County)	(State)

to construct, install, or modify a Septic Tank System
facility located in NE¼, SE¼, Section 26, T14N, R66W
(Legal Description)

in the County of Laramie, 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:


Administrator
Water Quality Division


Director
Wyoming Dept. of Environmental Quality

June 9, 1977

Date of Issuance

cc: Peter J. Hutchison, Wyoming Water Inc., 1902 Thomes, Cheyenne, WY 82001
Don Pack, Director, Environmental Health, City-County Health Unit, 315 W. 20th,
Cheyenne, WY 82001

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Fox Park Subdivision - Gillette

ARCHITECT OR ENGINEER: Larson Engineering, 316 So. Gillettevenue, Gillette, Wyo. 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-222

REVIEWING ENGINEER: R.E. *William S. Garland* P.E.

DATE OF REVIEW: 6-22-77

ACTION: Not authorized for construction

COMMENTS:

1. Submit application for a permit to construct.
2. Submit design details and date
3. The general layout map should include elevation contours and the layout of the water and sewer lines.
4. The plan and profile views are not included for all of the area covered by the general layout map, please explain.
5. Infiltration or exfiltration test should indicate it is for each section of pipe i.e. manhole to manhole.
6. No alignment, excessive side fill pressure or evaluation of sewer pipe were included.
7. Crossings should conform to section 15 of our Chapter III Rules and Regulations.
8. Maximum distance between manholes is 400 feet.
9. Ends of sewer lines must have a manhole or cleanout. Cleanouts can only be used at the end of a line up to 150 feet.
10. Deadend water lines must have fire hydrants or slushing hydrants.
11. Material specifications for all materials must be included.
12. What is meant by type 100 manhole?
13. This cannot be considered a final review.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-222R

Fox Park Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Drum-Coulter Partnership
(Last) (First) (Middle)

P.O. Box 909
(Street or P.O. Box)

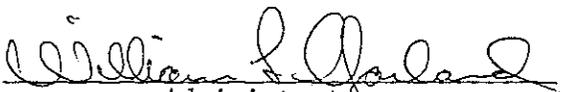
Gillette Campbell Wyoming 82716
(City) (County) (State)

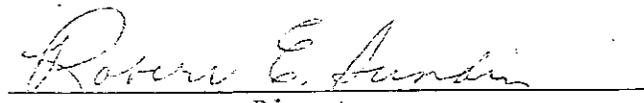
to construct, install, or modify a Water Distribution System, Sewage Collection System
facility located in Section 31, T50N, R71W
(Legal Description)

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.

THIS PERMIT IS ONLY FOR CONSTRUCTION OF WATER DISTRIBUTION AND SEWERAGE SYSTEMS
FOR PHASE ONE (1) OF FOX PARK SUBDIVISION AS DEFINED IN PLANS REFERENCE NO.
77-222R.

Authorized by:


Administrator
Water Quality Division


Director
Wyoming Dept. of Environmental Quality

August 8, 1977

Date of Issuance

cc: Larson Engineering, 316 So. Gillette Ave., Gillette, WY 82716

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Star Valley Ranches, Water System Development
Thayne, WY Lincoln County

ARCHITECT OR ENGINEER: Charles V. King, P. E.

Coon, King, & Knowlton
1055 East 3900 South
Salt Lake City, Utah 84117

WATER QUALITY DIVISION REFERENCE NUMBER: 77-223

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

DATE OF REVIEW: July 1, 1977

ACTION: Not Authorized for Construction

COMMENTS:

- 1) Please have owner or owners designated representative, fill out and submit 2 copies "Application For Permit to Construct, Install, etc."
- 2) Complete detailed plans and/or specifications are needed for bedding-backfill, pipe types, pipe disinfection, leakage and pressure testing, thrust block sizes, storage tank disinfection, blow-offs, etc.
- 3) Four inch lines are the minimum size that we will allow for permanent housing. This includes lines into cul-de-sacs.
- 4) Thrust blocking is not provided at all the "Tee's." Please explain the rationale.
- 5) I am somewhat confused about your pressure reducing valve placements. Please submit an overall plan with the PRV locations clearly indicated.
- 6) Can the present spring supply the water quantity required, or will the well be added to the system this year? In accordance with our Water Quality Rules & Regulations, 1976, Chapter III, the well may be developed and constructed without DEQ authorization in order to obtain pertinent system design information. However, a permit must be obtained from DEQ before the well can be hooked into the water system. Complete detailed plans and specifications must be submitted.
- 7) Please submit details of the storage tank overflow-drain line end. It shall be screened and shall discharge at least two feet above the spill line of the receiving ditch or lake.

- 8) The entrance Hatch to the storage reservoirs must have a cover which is water tight and which overlaps and extends down around the framed opening at least two inches. This manhole shall also be framed at least four to six inches above the surface of the roof. This manhole shall also be locked.

enclosures: 2 "Application For Permit to Construct, Install, etc."
1 WQR&R "Chapter III"

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

July 8, 1977

Coon, King and Knowlton
1055 East 3900 South
Salt Lake City, Utah 84117

RE: Star Valley Ranches
Plats 12, 13, and 14

ATT: Charles V. King,

Dear Mr. King,

We have reevaluated the feasibility of using on-site disposal for the plats.

As long as serial distribution trenches are used on the eastern lots in Plat 13, we have no objection against the use of septic tank-leach fields. The one acre lots should be sufficient.

If any question arises, please do not hesitate to contact us.

Sincerely,

A handwritten signature in cursive script that reads "David W. Hill".

David W. Hill,
Environmental Engineer

CC: Glenn Payne, Lincoln-Uinta County Planner

DWH/djh

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Star Valley Ranches, Water System Development, Thayne, Wyoming,
Lincoln County

ARCHITECT OR ENGINEER: Charles V. King, P.E., Coon, King, & Knowlton,
1055 East 3900 South, Salt Lake
City, Utah 84117

WATER QUALITY DIVISION REFERENCE NUMBER: 77-223R

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

DATE OF REVIEW: July 29, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS: 1) Stop and waste valves are prohibited in the State of
Wyoming.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-223RR

Star Valley Ranches Water System Plats 12, 13 & 14
(Name of Facility)

This permit hereby authorizes the applicant:

Steward Harold
(Last) (First) (Middle)
Leisure Valley, Inc.
(Street or P.O. Box)
Thayne Lincoln Wyoming 83127
(City) (County) (State)

to construct, install, or modify a Water System
facility located in Section 31, T35N, R118W
(Legal Description)

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

Authorized by:

William J. Galand
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

September 14, 1977

Date of Issuance

cc: Coon, King and Knowlton, 1055 East 3900 South, Salt Lake City, Utah 84117

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 77-225

Kurtz Plumbing Shop
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Kurtz</u> (Last)	<u>H.</u> (First)	<u>F.</u> (Middle)
<u>1025 12th Street</u> (Street or P.O. Box)		
<u>Cody</u> (City)	<u>Park</u> (County)	<u>Wyoming 82414</u> (State)

to construct, install, or modify a Sewage Disposal
facility located in NE $\frac{1}{4}$, NW $\frac{1}{4}$, Tract 71, Section 33, T53N, R101W
(Legal Description)

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

Authorized by:

William J. Ireland
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

June 9, 1977

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

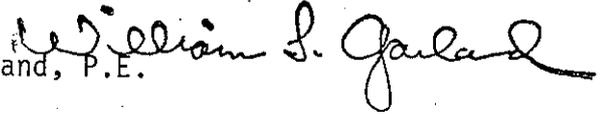
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: International Sewage Disposal, Wardwell Water and Sewer District,
Sec. 6, T33N, R79W, Natrona Co. Owner: B & B Development

ARCHITECT OR ENGINEER: Thomas P. McDill, Jr. - Worthington, Lenhart and Carpenter, Inc.
632 S. David, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 77-226

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



DATE OF REVIEW: 6-9-77

ACTION: CONSTRUCTION IS NOT AUTHORIZED

COMMENTS: THE APPLICATION IS INCOMPLETE.

1. Provide a drawing indicating lot size, location of septic tanks and disposal fields with regard to water lines, buildings, property lines, etc.
2. What is the percolation rate? Is there any seasonal groundwater or impermeous layers within 8 ft. of the surface? What is the ground slope?
3. What are the material and installation specifications?
4. Is the drain field bed bottom to be flat?
5. What are the septic tank specifications?
6. The disposal tank from the shop area will have to be accessible to clean mud and sand out (send plans and specifications). How much flow will come from the shop area in a day? Is there sufficient time to allow suspended solids to settle or will they end up in the drain field?

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-226R

Wire Line Service, Wastewater Disposal

(Name of Facility)

This permit hereby authorizes the applicant:

Burd

William

(Last)

(First)

(Middle)

c/o Worthington, Lenhart and Carpenter
632 South David

(Street or P.O. Box)

Casper

Natrona

Wyoming 82601

(City)

(County)

(State)

to construct, install, or modify a Wastewater Disposal

facility located in Section 6, T33N, R79W

(Legal Description)

in the County of Natrona, in the State of

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

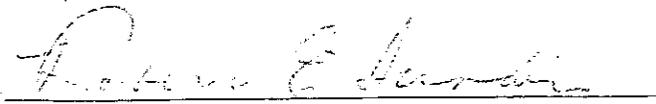
from the date of issuance of this permit not to exceed five (5) years.

cc: Nix Anderson

Authorized by:



Administrator
Water Quality Division



Director
Wyoming Dept. of Environmental Quality

August 11, 1977

Date of Issuance

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

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-228

Lucky Mc Corporation, Shirley Basin Mine
(Name of Facility)

This permit hereby authorizes the applicant:

Murdock

(Last)

Stratford

(First)

(Middle)

Shirley Basin Mine

(Street or P.O. Box)

Shirley Basin,

(City)

Wyoming 82601

(State)

to construct, install, or modify a Industrial Waste Treatment

facility located in Section 28, T28N, R78W

(Legal Description)

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

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

June 9, 1977

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Water Distribution System
Green River, WY Sweetwater County

ARCHITECT OR ENGINEER: Chester E. Elston, P. E.

Pacific Power & Light Co.
Engineering Division
920 S.W. Sixth Ave.
Portland, Ore. 97204

WATER QUALITY DIVISION REFERENCE NUMBER: 77-230

REVIEWING ENGINEER: David W. Hill, ^{QUA} Don Armstrong, P. E.

DATE OF REVIEW: July 5, 1977

ACTION: Not Authorized for Construction

COMMENTS:

- 1) Please fill out and submit two copies "Application For Permit to Construct," etc.
- 2) A U. S. Army Corps of Engineers Dredge and Fill Permit will be needed for the Green River crossing. Two copies of "Application For State Certification For Activities Requiring U. S. Army Corps of Engineers Dredge and Fill Permits" need to be filled out and submitted to us.
- 3) A hydrostatic pressure test must be run on the water lines.
- 4) Sterilization of the water lines must be in accordance to AWWA C601-68. Please insert this into the specifications.
- 5) Please provide specifications for the steel pipe. It must meet AWWA C200-75.
- 6) Provide details of a typical water - sewer line crossing.
- 7) More details are needed concerning the blow-off assembly. The end of the blow-off pipe must be screened and it must discharge above the high water line of the river.
- 8) Please indicate the horizontal distance between all water and sewer lines. A ten feet minimum must be maintained.

Enclosure: 2 - Application for Permit to Construct
2 - State Certification - Dredge and Fill

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Water Distribution System, Green River, Wyoming, Sweetwater County

ARCHITECT OR ENGINEER: Chester E. Elston, P.E. - Pacific Power and Light Company,
Engineering Division, 920 S.W.
Sixth Avenue, Portland, Oregon 97204

WATER QUALITY DIVISION REFERENCE NUMBER: 77-230R

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

DATE OF REVIEW: August 12, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- 1) The water line shall be laid above the sewer lines at least 18 inches at all crossings, if possible. If this distance cannot be maintained or the water line is laid below any sewer or house sewer line, the sewer line must be encased in concrete or constructed of water line quality material for at least ten feet on each side of the crossing. The water line should have a section centered at the crossing.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-230RR

Green River Water System
(Name of Facility)

This permit hereby authorizes the applicant:

Pacific Power and Light Company
(Last) (First) (Middle)
920 S.W. Sixth Avenue
(Street or P.O. Box)
Portland Multnumah Oregon 97204
(City) (County) (State)

to construct, install, or modify a 16" Water Main from W.I.P. to South Green River
facility located in Section 22, T18N, R107W
(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. Gaska
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

August 30, 1977
Date of Issuance

Attention: Chester E. Elston, P.E.

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

June 28, 1977

Walter J. Pilch, Trustee
Tepee Creek Development Co.
c/o Walter J. Pilch & Associates
P. O. Box 6498
Sheridan, WY 82801

Re: WQD #77-231

Dear Mr. Pilch,

Your application for a permit to construct a public water supply has been received and reviewed by the Water Quality Division.

The covenants supplied with your application indicate that they can be changed at any time upon the approval of the owner or owners of seventy-five percent of the lots in the subdivision. This means that the use of the lots can be changed at any time. Therefore, the subdivision must meet all of our regulations pertaining to public water supplies. Our regulations would require the water system to be protected from freezing and be able to operate at all times.

The Water Quality Division strongly objects to the type of sewage treatment facilities proposed for the subdivision. At the density of homes shown in the proposed subdivision, the holding tanks and outhouses will create an offensive odor problem and be a nuisance. The removal of the septage in a timely fashion will be a problem considering the location of the subdivision and the limited access during certain times of the year. Each waste facility within the subdivision will be required to obtain a permit to construct from the Water Quality Division. The permits will not be issued until there is an approved septage disposal site. The City of Sheridan's waste treatment facility is not designed to handle septage. Their current facility plan has not addressed the addition of septage into their system.

The Division will not continue its review of the application until the Division receives, in writing, your intentions for the subdivision. The Division will

keep one copy of your application and return the other copy for your use. If you decide to continue with the public water supply system, please submit another application, along with all design data, etc. as required by our standards.

Sincerely,



William L. Garland, Administrator
Water Quality Division

cc: Robert E. Sundin, Director, DEQ
U. S. Forest Service
State Planning Coordinator
Sheridan County Planning Agency
PRAPO

REP/WLG/djh

Modification (?)

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Hedgpeth Tract Sewer & Water Improvements
Carbon County Wyoming

ARCHITECT OR ENGINEER: Paul McCarthy - Robert Jack Smith & Assoc., Inc.
P. O. Box 1104 - Rawlins, Wyoming 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 77-232R

REVIEWING ENGINEER: Dan H. Kim - Don Armstrong, P.E.

DATE OF REVIEW: January 23, 1978

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- 1). Enclosed is an application for a permit to modify, which must be completed and returned to our office.
- 2). One (1) more set of specifications is required. Upon approval, one set of plans and specifications will be sent back to you.
- 3). Ten States Standards require water valves be located at not more than 500 foot intervals in commercial districts and at not more than 800 foot intervals in other districts.
- 4). This cannot be considered a final review.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-232RR

Hedgpeth Track Sewer and Water Improvements
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Platt</u> (Last)	<u>Kermit</u> (First)	<u></u> (Middle)
<u>c/o Pioneer Lumber</u> <u>9th & Buffalo</u>		
(Street or P.O. Box)		
<u>Rawlins</u> (City)	<u>Carbon</u> (County)	<u>Wyoming 82301</u> (State)

to construct, install, or modify a Water Distribution & Sewage Collection
facility located in Section 19, T22N, R81
(Legal Description)

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

Authorized by:

William S. Paul
Administrator
Water Quality Division

Robert E. Anderson
Director
Wyoming Dept. of Environmental Quality

April 21, 1978

Date of Issuance
cc: Robert Jack Smith & Assoc., ATTN: Paul McCarthy, P. O. Box 1104, Rawlins,
Wyoming 82301

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-232

Hedgpeth Tract Sewer Line
(Name of Facility)

This permit hereby authorizes the applicant:

Robert Jack Smith & Associates

(Last) (First) (Middle)

P. O. Box 1104

(Street or P.O. Box)

Rawlins, WY 82301

(City) (County) (State)

to construct, install, or modify a sewer extension
facility located in Sec. 19, T22N, R81W
(Legal Description)

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

Authorized by:

William J. Garland
Administrator
Water Quality Division

Robert E. Austin
Director
Wyoming Dept. of Environmental Quality

July 8, 1977

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Hanna Water Line

ARCHITECT OR ENGINEER: Robert Jack Smith and Associates, 1015 Harshman,
Rawlins, Wyoming 82301 Attention: Paul McCarthy

WATER QUALITY DIVISION REFERENCE NUMBER: 77-233

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

William L. Garland

DATE OF REVIEW: 7-6-77

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

- COMMENTS:
1. The 6-inch pipe between the existing 8-inch pipe and the new 10-inch pipe at Connection #2 shall be replaced by 10-inch pipe.
 2. The blowoff at Station 61+83 shall terminate in a screened, downward-facing elbow. The weep holes should be eliminated.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-233R

Hanna Water Line
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Hanna
(Last) Robert Jack Smith and Associates (First) (Middle)
1015 Harshman
(Street or P.O. Box)
Rawlins Carbon Wyoming 82301
(City) (County) (State)

to construct, install, or modify a Water Transmission Line
facility located in Section 19, T22N, R81W
(Legal Description)

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

Authorized by:

William J. Galand
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

July 27, 1977

Date of Issuance

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-234

Town of East Thermopolis, Water System Expansion
(Name of Facility)

This permit hereby authorizes the applicant:

Town of East Thermopolis
(Last) (First) (Middle)
c/o Don Livingston, Engineering Associates
P.O. Box 1539
(Street or P.O. Box)
Cody Wyoming 82414
(City) (County) (State)

to construct, install, or modify a Water Line Extension
facility located in Town of East Thermopolis
(Legal Description)

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

Authorized by:

William L. Ireland
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

June 24, 1977

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

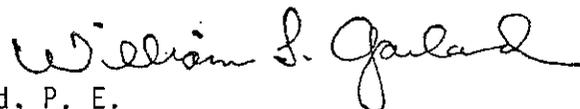
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Means 1st Est., Water System

ARCHITECT OR ENGINEER: Davis Surveying, 1000 Poplar, Gillette, WY 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-235

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



DATE OF REVIEW: July 8, 1977

ACTION: Not Authorized for Construction

COMMENTS:

- 1) Submit details of pumphouse, chlorine room and well.
- 2) Submit details of storage facilities.
- 3) Submit design calculations.
- 4) Explain existing lines on plat, i.e. we do not have any record of a permit to construct the line and well.
- 5) Submit chemical analysis of the well.
- 6) Engineer's signature is not legible.
- 7) Who is the owner of the subdivision?

This cannot be considered a complete review.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Means 1st Extension, Water System

ARCHITECT OR ENGINEER: Davis Surveying, 1000 Poplar, Gillette, WY 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-235R

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

DATE OF REVIEW: 9-26-77

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

A. Pumphouse

1. Pumphouse and chlorine room are not constructed per 10 State Standards.
2. Can the meter be repaired without a shutdown of the system?
3. Copper tubing is not acceptable for chlorine lines.
4. Show details of the drain.

B. Well

1. Provide type and depth of grouting.
2. Material of drop pipe, material and thickness of the well casing.
3. What type of well seal is used?
4. This type of pump is not allowed in a pit.
5. Chemical analysis of the well must be provided. The well log provided is not a chemical test.
6. Well should be constructed per 10 State Standards, i.e., vents, flow measurement, sampling, etc.

C. What is the class, SDR and type of the existing PVC pipe?

D. Design calculations

Means 1st Extension, Water System

77-235R

1. Your design calculations do not provide for fire flows, lawn water, etc. Provide peak flows average flows, fire flows, and storage requirements. A mass diagram and flow analysis of the system should be provided.

E. Storage tank

1. Our calculations indicate storage tank is too small, please justify your calculations.
2. Show details of the drains.
3. Can the storage tank be bypassed to permit repairs?
4. The proposed water storage tank is not an AWWA tank design. Provide structural design information on the tank and its supports.
5. The tank must be coated on the inside - please provide the specifications of the coating.
6. The manufacturers data is inconsistent with the drawings provided, please clarify.

F. Please provide an address of the owner.

G. This cannot be considered a final review.

REVIEW OF PLANS AND SPECIFICATIONS

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

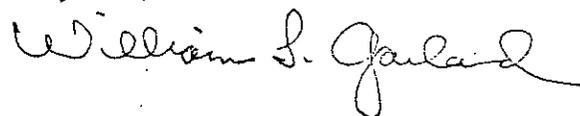
PROJECT: Means First Extension, Water System

ARCHITECT OR ENGINEER: Davis Surveying, 1000 Poplar, Gillette, WY 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-235RR

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

DATE OF REVIEW: 11-2-77



ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- A. Pumphouse and Well
1. The chlorine room will not meet standards.
(5.4.1) a. No inspection window.
b. Not in a separate sealed room.
c. No storage for full and empty cylinders isolated from operating areas.
d. No ventilating fan.
e. Vents are not in the right place.
f. No switches to turn on fan and lights on the outside or when door opens.
g. Chlorine feedlines should not go behind the chlorinator room.
h. The chlorinator vent needs to be relocated, turned down and screened.
i. The chlorine line should not be on the floor.
 - 5.3 2. No protective equipment provided.
 - 3.27.1 3. It is not clear what type of well seal is used; For line shaft pumps the casing should be firmly connected to the pumps structure. See 3.2.7.1.
 4. The type of material and thickness used in the drop pipe is not clear.
 5. The piping near the pump should be supported.
 6. Termination of the drain is not shown. The screen should be on the discharge end of the drain.
 7. A chemical analysis has not been provided.

Means First Extension, Water System

77-235RR

8. Provisions shall be made for periodic measurement of the water levels in the well.

B. Design Calculations

1. Peak and average flows were not provided.
2. The original line was built to provide water and fire protection for the owners. This line is part of the subdivision and adequate storage should be supplied for fire flows.

C. Storage Tank

- 7.0.1 .1. Storage tank will not meet our standards.
 - a. The system does provide fire flows and should be sized to meet fire flows.
 - b. The tank does not meet the minimum storage capacity requirements (average daily consumption) even if fire flow is not considered.
2. We still need details of the design of the tank supports. (i.e. - concrete strength, length, width, reinforcement, footing underneath, etc.)
3. The tank is not an AWWA design, we need the following information:
 - a. Structural design.
 - b. How the tank is put together.
 - c. Verification that the tank was designed for a three point support and will hold the fluid used without collapsing.
 - d. More details on the manhole are needed. (i.e. - the manhole shall be framed from 4 to 6 inches above the top of the tank and fitted with a cover which overlaps the framed opening and extends down the side of the frame at least two inches and is watertight.)
4. The termination point of the drains were not shown and the screens should be at that point.
5. The construction of the overflow is in such a manner that water will overflow the manhole before the overflow.
6. What are the specifications for the steel drain pipe, steel water pipe and galvanized pipe used in the system?

D. Distribution System

1. Provide details on automatic air relief valves.
2. Provide details on blowoff valves.

Means First Extension, Water System

77-235RR

E. Due to the number of comments this cannot be considered a complete review.

cc: Glen Means, P.O. Box 1024, Gillette, WY 82716
Harry E. Leimback, Attorney at Law, 430 East First Street, Casper,
WY 82601

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Means First Extension, Water System

ARCHITECT OR ENGINEER: Eagle Engineering, P.O. Box 2366, Gillette, WY 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-235RRR

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

DATE OF REVIEW: 11-23-77

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

William L. Garland

COMMENTS:

1. The paint is not acceptable.
2. Provide profile of the chlorine room.
3. Provide specifications for the steel pipe and galvanized pipe.
4. Provide structural design of the vessel holding water.

REP/jo

cc: Glen Means, P.O. Box Gillette, WY 82716

*Review was
conveyed by Ghowe*

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-235RRRR

Mean Subdivision First Extension
(Name of Facility)

This permit hereby authorizes the applicant:

Means Glen _____
(Last) (First) (Middle)

P.O. Box 1024

(Street or P.O. Box)

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

to construct, install, or modify a Water Supply and Distribution
facility located in Section 9, T52N, 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. Jones

Administrator
Water Quality Division

Robert E. Hendin

Director
Wyoming Dept. of Environmental Quality

December 5, 1977

Date of Issuance

cc: Eagle Engineering, P.O. Box 2366, Gillette, WY 82716

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-236

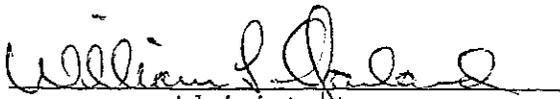
Water System Improvements, Burton & Marion Streets
(Name of Facility)

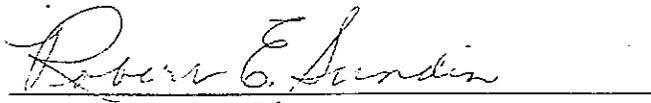
This permit hereby authorizes the applicant:

<u>City of Sheridan</u>		
(Last)	(First)	(Middle)
<u>P.O. Box 848</u>		
	(Street or P.O. Box)	
<u>Sheridan</u>	<u>Sheridan</u>	<u>Wyoming 82801</u>
(City)	(County)	(State)

to construct, install, or modify a Water Distribution
facility located in Section 27, 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:


Administrator
Water Quality Division


Director
Wyoming Dept. of Environmental Quality

July 27, 1977

Date of Issuance

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-237

J & J Trailer Park

(Name of Facility)

This permit hereby authorizes the applicant:

<u>Dickinson</u>	<u>Gerald</u>	<u>F.</u>
(Last)	(First)	(Middle)
<u>P.O. Box 1951</u>		
(Street or P.O. Box)		
<u>Gillette</u>	<u>Campbell</u>	<u>Wyoming 82716</u>
(City)	(County)	(State)

to construct, install, or modify a Water Distribution and Storage
facility located in Section 20, 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. Garland
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

July 12, 1977

Date of Issuance

cc: Timm and Associates, P.O. Box 726, Gillette, WY 82716

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-238R

Mountain View Mobile Home Park Sewage Disposal System
(Name of Facility)

This permit hereby authorizes the applicant:

c/o Roger Jacobson, P. E., Engineering Assoc.

(Last) (First) (Middle)

P. O. Box 1539

(Street or P.O. Box)

Cody Park Wyoming

(City) (County) (State)

to construct, install, or modify a sewage disposal system

facility located in Cody, WY

(Legal Description)

in the County of Park, in the State of

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

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

Authorized by:



Administrator
Water Quality Division



Director
Wyoming Dept. of Environmental Quality

July 6, 1977

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Mountainview Mobile Home Park Sewage Disposal System
Cody, WY

ARCHITECT OR ENGINEER: Roger Jacobson, P. E. P. O. Box 1539
Cody, WY

WATER QUALITY DIVISION REFERENCE NUMBER: 77-238R

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

DATE OF REVIEW: July 6, 1977

ACTION: Construction Authorized

COMMENTS:

cc: Steve Freudenthal

REVIEW OF PLANS AND SPECIFICATIONS

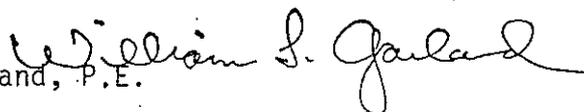
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: City of Buffalo, Septic System and Backwash Facility for Chlorinator Building

ARCHITECT OR ENGINEER: R. G. Stuckert and Associates, P.O. Box 901, Buffalo, WY 82834

WATER QUALITY DIVISION REFERENCE NUMBER: 77-239

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



DATE OF REVIEW: 7-15-77

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. Untreated building paper should be removed from the evapotranspiration bed. Grave should be graded to prevent the sand from washing through the rock.
 2. What is the hydraulic design of the backwash facility?
 3. Will the water from the Fort McKinney Ditch and Clear Creek infiltrate the detention pond? What type of soil is in the area of the pond? Will surface runoff be excluded from the pond?
 4. Flow must be measured at the outfall of the pond.
 5. What are the specifications for the DIP pipe?
 6. How will it be placed in the ground?
 7. Provide details of outfall from the pond and spillway.
 8. This cannot be considered a final review.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-239R

Septic System, Cl2 Bldg. Improvements
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Buffalo
(Last) (First) (Middle)
P.O. Box 430
(Street or P.O. Box)
Buffalo Johnson Wyoming 82834
(City) (County) (State)

to construct, install, or modify a Wastewater Treatment
facility located in Section 5, T50N, R82W
(Legal Description)

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

Authorized by:

William F. Dala
Administrator
Water Quality Division

Robert E. Dunbar
Director
Wyoming Dept. of Environmental Quality

August 29, 1977

Date of Issuance

cc: R. G. Stuckert and Associates, Inc., P.O. Box 901, Buffalo, WY 82834

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-240

Holly Sugar Corporation

(Name of Facility)

This permit hereby authorizes the applicant:

Holly Sugar Corporation

(Last)

(First)

(Middle)

Sid Win, P.E.

P.O. Box 1052

(Street or P.O. Box)

Colorado Springs

Colorado 80901

(City)

(County)

(State)

to construct, install, or modify a Flume Water Holding Pond dike Modifications

facility located in 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:



Administrator

Water Quality Division



Director

Wyoming Dept. of Environmental Quality

June 24, 1977

Date of Issuance

July 13, 1977

Holly Sugar Corporation
P.O. Box 1052
Colorado Springs, Colorado 80901

Attention: Sid Win

Dear Mr. Win:

Enclosed is your permit, and we apologize for the delay. There have been a number of employees out of the office, is the reason for delay of permit issuance.

This Division would like to know if you would submit 1 more set of plans, as three sets are required.

We would be deeply grateful.

Sincerely,
Department of Environmental Quality
Water Quality Division

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Wyoming District Assemblies of God, Campground - Crook

ARCHITECT OR ENGINEER: Applicant: Ed Beard
Box 1608
Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER:
77-241

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

DATE OF REVIEW: July 5, 1977

ACTION: Not authorized for construction - see comments

COMMENTS:

According to Wyoming Water Quality Rules and Regulations, Chapter III, Section 3, Subpart K, "Small Wastewater Facilities" means sewage systems, disposal and treatment works for a single family house, or a single mobile home unit. Therefore, state regulations require that the application for a permit to construct wastewater facilities for other than single family residence shall carry the seal or signature of the designing engineer, who is a registered engineer in the State of Wyoming. The application also includes 2 sets of all plans and specifications. (See enclosed State Regulations, Section 4).

It should also be noted that our regulations do not allow any construction of sewage systems to commence until a permit is issued. This is why we require the application to be submitted 60 days prior to planned construction.

We are returning all of the forms you submitted and are enclosing an application form for permit to construct. Please fill out the enclosed application form and send it to our office along with the aforementioned requirements.

cc: Contractor, Mr. Tom Eldridge, 404 H, Osborne, Gillette, WY 82716

DHK/djh

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-242

North Butte Bunk Trailer

(Name of Facility)

This permit hereby authorizes the applicant:

The Cleveland-Cliffs Iron Company

(Last)

(First)

(Middle)

P.O. Box 3140

(Street or P.O. Box)

Casper

Wyoming 82602

(City)

(County)

(State)

to construct, install, or modify a Waste Treatment

facility located in Section 24, T44N, R75W
(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
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

July 19, 1977

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

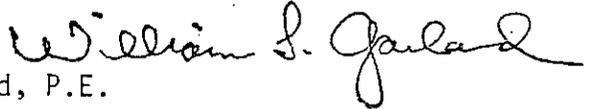
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Big Horn Fire District No. 1 - Sheridan County

ARCHITECT OR ENGINEER: Applicant: Curtis H. Wavner, Big Horn Fire District
No. 1, P.O. Box 357, Big Horn, WY 82833

WATER QUALITY DIVISION REFERENCE NUMBER: 77-243

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



DATE OF REVIEW: July 5, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

COMMENTS: According to Wyoming Water Quality Rules and Regulations, Chapter III, Section 3, Subpart K, "Small Waste Facilities" means sewage systems, disposal and treatment works for a single family house, or a single mobile home unit.

Therefore, state regulations require that the application for a permit to construct wastewater facilities for other than single family residence shall carry the seal or signature of the designing engineer, who is a registered engineer in the State of Wyoming. The application also includes 2 sets of all plans and specifications. We will process your application upon receipt of the aforementioned requirements.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Big Horn Fire District No. 1

ARCHITECT OR ENGINEER: Thomas L. Barker - Centennial Engineering and Research,
Inc., 49 East Loucks, Suite 207,
Sheridan, Wyoming 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 77-243R

REVIEWING ENGINEER: Dan H. Kim, Roy E. Prion, P. E., William L. Garland, P. E.

DATE OF REVIEW: August 25, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The enclosed application for a permit to construct should be completed and returned to our office.
2. Slope, depth, type and size of line should be submitted.
3. Details of cleanout is also required.
4. Details of installation and material of septic tank should be supplied, including wall thickness, access manhole, interior coating material for watertightness, backfilling specifications, etc.
5. This cannot be considered a final review.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-246RR

Pioneer Addition
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Tarver</u> (Last)	<u>Steve</u> (First)	<u></u> (Middle)
<u>P. O. Box 127</u> (Street or P.O. Box)		
<u>Gillette</u> (City)	<u>Campbell</u> (County)	<u>Wyoming 82716</u> (State)

to construct, install, or modify a Water Distribution and Wastewater Collection
facility located in Section 21, 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. O'Quinn
Administrator
Water Quality Division

Robert E. Sardin
Director
Wyoming Dept. of Environmental Quality

May 18, 1978

Date of Issuance

cc: Hoskins-Western-Sonderegger, ATTN: Gerald Anderson, P.E., P. O. Box 2020,
Gillette, Wyoming 82716

K

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Pioneer Addition - Gillette, Wyoming
Campbell County

ARCHITECT OR ENGINEER: Hoskins-Western-Sanderegger, Inc., P. O. Box 2020,
Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-246R

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

DATE OF REVIEW: May 8, 1978

William L. Garland

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- 1). Provide detailed specifications for all sewer main, sewer service line and water main crossings. The specifications must meet Section 15 of the Wyoming Water Quality Rules and Regulations, 1976, Chapter III. Simple reference to Ten State Standards is not sufficient.
- 2). Use the current revisions of all referenced standards.

REVIEW OF PLANS AND SPECIFICATIONS

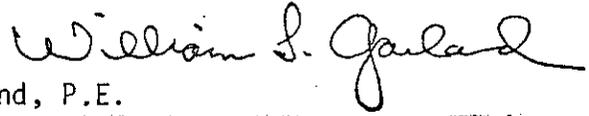
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Pioneer Addition, City of Gillette, Water and Sewer Distribution

ARCHITECT OR ENGINEER: Plains Engineering, P.O. Box 2020, Gillette, WY 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-246

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



DATE OF REVIEW: 7-18-77

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. Submit a letter from the City of Gillette indicating they will supply water and sewer services.
 2. Location map of subdivision.
 3. Water system needs valves.
 4. Should provide alignment specifications, specifications concerning excessive side fill pressures and ovalation of the pipe, specifications on placing the pipe, relieving the bells, placing the backfill material, etc.
 5. Should provide material specifications, i.e. valves, hydrants, etc.
 6. Provide exfiltration specifications.
 7. Infiltration and exfiltration tests should be for each section of pipe, i.e. manhole to manhole.
 8. Water and sewer line crossing should meet Section 15 of the Water Quality Division's Chapter III Regulations.
 9. Sewer pipe should meet ASTM 3033 or 3034 specifications.
 10. Does the system need air relief valves?
 11. This cannot be considered a final review.

REP/jo

cc: Stephen Tarver, P.O. Box 127, Gillette, WY 82716

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-247

East Gillette Reservoir #2, Mine Pit Development
(Name of Facility)

This permit hereby authorizes the applicant:

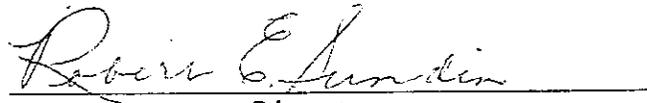
Kerr-McGee Coal Corporation
(Last) (First) (Middle)
P.O. Drawer 1509
(Street or P.O. Box)
Gillette Campbell Wyoming 82716
(City) (County) (State)

to construct, install, or modify a Waste Treatment
facility located in Section 16, T50N, 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:


Administrator
Water Quality Division


Director
Wyoming Dept. of Environmental Quality

July 27, 1977

Date of Issuance

cc: Paul Rechard, WRRRI, University of Wyoming, Laramie, Wyoming 82070

REVIEW OF PLANS AND SPECIFICATIONS

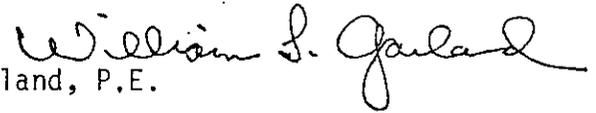
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: White Mountain Estates, Section 33, T19N, R105W, Rock Springs,
WY

ARCHITECT OR ENGINEER: Johnny L. Probasco, P.E., Bush and Guggell, Inc.
P.O. Box 1144, Rock Springs,
Wyoming 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 77-248

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



DATE OF REVIEW: July 6, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

- COMMENTS:
- 1) Please have owner or owners designated representative fill out and submit two copies "Application for Permit to Construct, Install, etc."
 - 2) Please supply this office with two copies of all plans and specifications. One copy shall be returned to you upon our authorization of the project.
 - 3) A letter is needed from the City of Rock Springs stating that they approve and accept the subdivision.
 - 4) A letter is needed from Pacific Power and Light which states that they can provide water at adequate quantity and pressure.
 - 5) I assume the wastewater will flow into the Pacific Power and Light - White Mountain Sewage Plant. A letter is needed from P.P. & L. stating that they can provide adequate sewage treatment for the subdivision.
 - 6) Please provide design criteria (i.e. - population, flows per capita, capita per lot, etc.)

SEWER SYSTEM

- 7) We do not have a copy of the Rock Springs Sewer Specifications. Please provide us with a copy.
- 8) Complete specifications are needed. (i.e. - bedding - backfill, alignment specifications, Infiltration - exfiltration specifications, leakage testing, etc.)
- 9) Cleanouts may only be used if they are installed at the end of laterals less than 150 foot long.

- 10) A typical water - sewer line crossover detail is needed. The water line shall be laid at least 18 inches above all sewer lines, storm sewer lines, or house sewer lines whenever possible. If this 18 inch minimum cannot be met, the sewer line must be encased or constructed of special water line type material for 10 feet on each side of the crossing. One full length of water line pipe should be centered over the crossing.
- 11) We recommend that "Y's" be used at all service connections rather than saddles.

WATER SYSTEM

- 12) Complete detailed specifications are needed (i.e. - bedding, backfill specifications, pressure testing, leakage testing, disinfection procedures, valve and fitting specifications, etc.)
- 13) Water mains shall be laid at least 10 feet horizontally from any sewer and this includes storm sewers. If this is not possible, the storm sewer must be constructed of special water line type material or concrete encased.
- 14) The fire hydrant must meet applicable AWWA standards.

DWH/jo

Enclosures - 1- Chapter III, Rules and Regulations

2- "Application for Permit to Construct, Install, etc."

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: White Mountain Estates, Section 33, T19N, R105W, Rock Springs,
Wyoming, Sweetwater County

ARCHITECT OR ENGINEER: Johnny L. Probasco, P.E. - Bush and Gudge11, Inc., P.O.
Box 1144, Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 77-248R

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

DATE OF REVIEW: August 25, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- 1) Water mains must be laid at least ten feet from any sewer including storm sewers. The storm sewer must be encased or constructed of special water line material if this is not possible. Your detail on sheet 14/15 is satisfactory but it does not seem to agree with the storm drain - water line layouts on sheet 10/15. We would encourage that the storm drain be angled around the water line by a horizontal distance of at least ten feet.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: White Mountain Estates, Section 33, T19N, R105W, Rock Springs, WY

ARCHITECT OR ENGINEER: Johnny L. Probasco, P.E.- Bush & Gudgeon, Inc.,
P.O. Box 1144, Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 77-248RR

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

DATE OF REVIEW: October 6, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

- 1) Water mains must be laid at least ten feet horizontally from any sanitary or storm sewer. If this is not possible the sewer must be constructed of water main material or encased in concrete. It still is closer than ten feet on sheet 10/15.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-248RRR

ROCK SPRINGS WHITE MOUNTAIN ESTATES
(Name of Facility)

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

Pacific Power & Light Company

920 S.W. Sixth Avenue

Portland, Oregon 97204

to construct, install, or modify a _____
water system

_____ facility according to the procedures and conditions of the
application No. 77-248RRR. The facility is located in _____

Sec. 33, T. 19N, R. 105W

_____ in the County of Sweetwater,

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

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

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

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

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

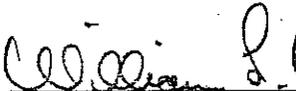
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

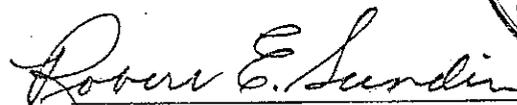
AUTHORIZED BY:


WILLIAM L. GARLAND
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING
No. 22479

Administrator
Water Quality Division

September 8, 1981

Date of Issuance


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

Director
Dept. of Environmental Quality

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

AB:nb
09-08-81

PERMIT TO CONSTRUCT

Permit No. 77-248RRR

- New
- Renewal
- Modified

ROCK SPRINGS WHITE MOUNTAIN ESTATES
 (Name of Facility)

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

Pacific Power & Light Company

920 S.W. Sixth Avenue

Portland, Oregon 97204

to construct, install, or modify a _____

water system

_____ facility according to the procedures and conditions of the

application No. 77-248RRR. The facility is located in _____

Sec. 33, T. 19N, R. 105W

_____ in the County of Sweetwater,

in the State of Wyoming. This permit shall be effective for a period of two

years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

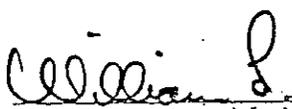
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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

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

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

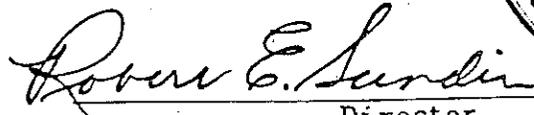
AUTHORIZED BY:


WILLIAM L. GARLAND
No. 1479
REGISTERED PROFESSIONAL ENGINEER
STATE OF WYOMING

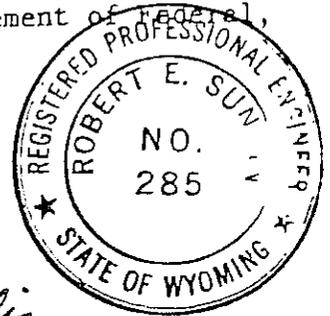
Administrator
Water Quality Division

September 8, 1981

Date of Issuance



Director
Dept. of Environmental Quality



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

AB:nb
09-08-81

PACIFIC POWER & LIGHT COMPANY

920 S.W. SIXTH AVENUE • PORTLAND, OREGON 97204 • (503) 243-1122

September 2, 1981

Mr. Al Berreth
Wyoming Department of Environmental Quality
210 Lincoln Street
Lander, WY 82520



Dear Mr. Berreth:

Attached are three (3) copies of an application for a renewal of construction permit number 77-248 RRR covering the water system proposed for White Mountain Estates in Rock Springs. As we discussed in our phone conversation of yesterday, this permit was issued on November 3, 1977 and covered the entire subdivision. The developer of the subdivision decided to do the subdivision in phases over the last four years.

The application for renewal covers the installation of approximately 780 feet of 6" AC water main on Sierra Circle. The water main will be constructed in accordance with plans and specifications approved in permit number 77-248RRR.

Please review this application for renewal and issue the renewal permit.

If you have any questions regarding this main extension, please contact the undersigned at telephone number (503) 243-4474.

Sincerely,

Robert L. Svendsen, P.E.
Sr. Water Systems Engineer

RLS/mjt

Attachments

APPLICATION FOR
 PERMIT TO CONSTRUCT, INSTALL, OR MODIFY
 PUBLIC WATER SUPPLIES AND WASTEWATER FACILITIES
 IN WYOMING

1. Name of Facility Rock Springs White Mountain Estates
 2. Location of Facility: Sec. 33 T. 19N R. 105W Co. Sweetwater
 3. Facility Description: New Construction Modification or Extension

Public Water Supply
 Municipal _____
 Other Legal Entity _____
 Commercial _____
 Industrial _____
 Other - Investor Owned
 Type of Facility:
 Source Development
 Treatment Plant
 Distribution System
 Source: Groundwater _____
 Surfacewater Green River
 Capacity, or Demand 13,500 gpm
 List State Engineer permit number(s) for water sources: Territorial Proof 4085, Priority 1871; Permit No. 4620 Enlargement; Permit No. 6415 Enlargement and Permit No. 6672 Enlargement

Wastewater Treatment Facility
 Municipal _____
 Other Legal Entity _____
 Commercial _____
 Industrial _____
 Small _____
 Type of Facility:
 Subsurface Disposal
 Stabilization Pond
 Evaporative
 Mechanical Treatment
 Collection System
 Volume of Wastewater _____
 The State Engineer has reviewed this project and has determined that it will not interfere with existing water rights.
 Yes No
 List State Engineer permit number(s) on the water source(s) related to this project:



4. Briefly describe facilities proposed to be constructed: Install approximately 780 ft. of 6" CL-150 AC water main on Sierra Circle to provide water and fire protection service. NOTE: This application is for a renewal of Wyoming D.E.O. permit to construct number 77-248RRR issued

5. Does the proposed _____
 If yes, NPDES _____
 Name of recipient _____
 Name of Applicant _____
 I certify, _____
 county and _____
 authorized under _____
 Chapter III, 1-15 _____
 Signature: Robert [unclear]
 Date: 11/79

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-248RRR

White Mountain Estates

(Name of Facility)

This permit hereby authorizes the applicant:

Prudential Service Corporation

(Last)

(First)

(Middle)

115 South Main

(Street or P.O. Box)

Salt Lake City

(City)

(County)

Utah 84100

(State)

to construct, install, or modify a Water System, Sewer System, and Storm Sewers
facility located in Section 33, T19N, R105W
(Legal Description)

in the County of Sweetwater, in the State of

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

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

Authorized by:

William J. Chalmers

Administrator

Water Quality Division

Robert E. Sundin

Director

Wyoming Dept. of Environmental Quality

November 3, 1977

Date of Issuance

cc: Bush and Guggell, Inc., P.O. Box 1144, Rock Springs, WY 82901

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 77-249R

City of Lingle Lagoon Modification
(Name of Facility)

This permit hereby authorizes the applicant:

<u>City of Lingle</u>		
(Last)	(First)	(Middle)
<u>c/o Gerald Anderson</u>		
<u>Plains Engineering - P.O. Box 117</u>		
(Street or P.O. Box)		
<u>Gillette</u>	<u>Campbell</u>	<u>Wyoming 82716</u>
(City)	(County)	(State)

to construct, install, or modify a Lagoon
facility located in the City of Lingle limits
(Legal Description)

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

Authorized by:

William S. Garland
Administrator
Water Quality Division

Robert E. Gordon
Director
Wyoming Dept. of Environmental Quality

February 8, 1978

Date of Issuance

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-249R

City of Lingle Water and Sewer Expansion

(Name of Facility)

This permit hereby authorizes the applicant:

City of Lingle

(Last)

(First)

(Middle)

City Hall

(Street or P.O. Box)

Lingle

Goshen

Wyoming

(City)

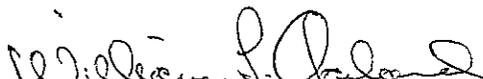
(County)

(State)

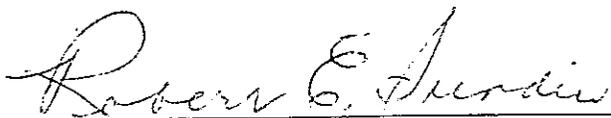
to construct, install, or modify a water and sewer expansions
facility located in within the City of Lingle limits
(Legal Description)

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

Authorized by:



Administrator
Water Quality Division



Director
Wyoming Dept. of Environmental Quality

August 4, 1977

Date of Issuance

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-250R

Hilltop Addition, Sewer Extension
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Greybull
 (Last) (First) (Middle)
c/o John Donnell and Associates
P.O. Box 13
 (Street or P.O. Box)

Worland Washakie Wyoming 82401
 (City) (County) (State)

to construct, install, or modify a Sewer Extension
 facility located in town of Greybull
 (Legal Description)

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

Authorized by:

William J. Galand
 Administrator
 Water Quality Division

Robert E. Scardin
 Director
 Wyoming Dept. of Environmental Quality

August 29, 1977
 Date of Issuance