

REVIEW OF PLANS AND SPECIFICATIONS

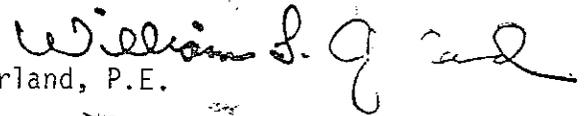
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Sleeping Giant Sewage Disposal System, Park County

ARCHITECT OR ENGINEER: George W. Tresler, Box 1050, Cody, Wyoming 82414

WATER QUALITY DIVISION REFERENCE NUMBER: 77-52

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



DATE OF REVIEW: February 24, 1977

Supervisor - Water Quality Div.

ACTION: CONSTRUCTION IS NOT AUTHORIZED

- COMMENTS:
1. Furnish material specifications for septic tank and pipe.
  2. Furnish a sewer system profile and pipe bedding specifications.
  3. The water system is considered semi-public because ten service connections do not exist. The Health Department at Worland has responsibility for semi-public and private water systems.
  4. Your proposal for estimated volume of sewage is unacceptable. Under present proposal, your design indicates less than 2.5 gallons per person per day. On page 43 and 44 of the manual for septic tank practice, there is no estimation less than 5 gallons per day. A more realistic estimation would be over 5 gallons per day if food or beverages are served at the lodge.
  5. What slope are the leach field lines to be installed at?

cc: William George, MSEH, P.O. Box 501, Worland, Wyoming 82401

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-52R

Sleeping Giant Lodge

(Name of Facility)

This permit hereby authorizes the applicant:

Dahlem

(Last)

Keith

(First)

(Middle)

P.O. Box 960

(Street or P.O. Box)

Cody

(City)

Park

(County)

Wyoming 82414

(State)

to construct, install, or modify a Sewage Disposal  
facility located in West of Cody  
(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 S. Garland*

\_\_\_\_\_  
Director  
Wyoming Dept. of Environmental Quality

April 26, 1977

Date of Issuance

cc: George W. Tresler, P.E., Box 1050, Cody, Wyoming 82414



*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

June 1, 1982

Philip G. Bopp, Project Manager  
Sleeping Giant Ski Resort  
PO Box 790  
Cody, WY 82414

RE: 77-52R

Dear Mr. Bopp:

I have reviewed your plans of the wastewater treatment facility designed to serve the proposed new lodge at Sleeping Giant Ski Resort. Since the "Permit to Construct" had been issued over five years ago and was effective for a period of two (2) years, the facility needs current authorization prior to construction.

I am unable to complete an evaluation of the facility since you did not supply soil type and percolation rates in the area of the leach field. Furthermore, I believe that 5 gallons of water per person per day is far short of the actual use you could expect. Five gallons is the amount of water used in one flush of a standard toilet.

In order to try to get an idea as to the amount of wastewater that we could expect to be generated, I called Paul Selsky of Nelson Engineering in Jackson. Paul is the engineer who worked on the wastewater system for Teton Village and I felt he may have data on wastewater flows for the Village.

Paul's data on wastewater flow was not applicable to Sleeping Giant; however, he did give me some information that may be of use in projecting skier/days.

The following is a short list of skiers/day for the past few years at Teton Village:

1976/1977 Season: 354 skiers/day average  
1979/1980 Season: 1800 skiers/day average (best year ever)  
1981/1982 Season: 500 skiers/day average

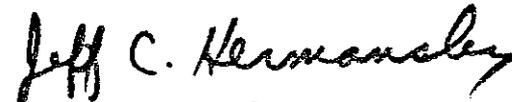
Philip G. Bopp  
June 1, 1982  
Page 2

Other questions and comments that will need to be addressed before a permit can be reissued are as follows:

1. Will you be providing food service in the proposed lodge?
2. The septic tanks proposed do not meet the minimum design standards.
3. The piping from the proposed dosing tank to the leach field should be changed. I have spoken with Dave Hoffert about how to better utilize the field by using a distribution box.

I believe the changes that need to be made can be made quite easily. Please have your engineer contact me so we may discuss these changes in detail and work toward getting the plans resubmitted for authorization.

Respectfully,



Jeff C. Hermansky  
Water Quality Engineer  
Northwest District

JCH:ch

cc: Jake Strohman, DEQ/WQD Cheyenne  
File (2)

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

State Office Building

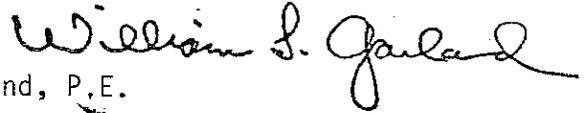
Cheyenne, Wyoming 82002

PROJECT: McDonald's Restaurant - Sheridan

ARCHITECT OR ENGINEER: Mr. Roy Drake, McDonald's Corporation, 3525 South  
Tamarac Drive, Suite 350, Denver, Colorado 80237

WATER QUALITY DIVISION REFERENCE NUMBER: 77-53

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



DATE OF REVIEW: February 28, 1977

Supervisor - Water Quality Div.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. Our Calculations indicate that the existing leach field does not have sufficient absorption capacity to accommodate an additional 1000 gal. per day. Additional absorption area must be provided.
  2. Any revised plans and specifications must comply with the enclosed Chapter III Rules and Regulations.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-53R

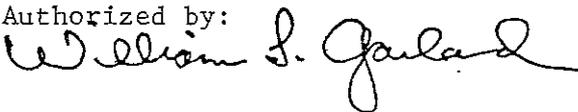
McDonald's Restaurant - Sheridan  
(Name of Facility)

This permit hereby authorizes the applicant:

McDonald's Corporation  
(Last) (First) (Middle)  
c/o W. J. Pilch and Associates  
Box 6498  
(Street or P.O. Box)  
Sheridan Sheridan Wyoming 82801  
(City) (County) (State)

to construct, install, or modify a Septic Tank - Leach Field Waste Disposal  
facility located in the City of Sheridan  
(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:  


\_\_\_\_\_  
Director  
Wyoming Dept. of Environmental Quality

April 8, 1977

Date of Issuance

cc: Mr. Roy Drake, McDonald's Corporation, 3525 S. Tamarac Drive, Suite 350,  
Denver, Colorado 80237

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Bear Creek Uranium Mill Septic System, Rocky Mountain Energy  
Company, Converse County

ARCHITECT OR ENGINEER: None Listed

WATER QUALITY DIVISION REFERENCE NUMBER: 77-54

*William L. Garland*

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

Supervisor - Water Quality Div.

DATE OF REVIEW: February 24, 1977

ACTION: CONSTRUCTION IS NOT AUTHORIZED

- COMMENTS:
1. Need the seal or signature of the designing engineer licensed to practice in the State of Wyoming.
  2. PVC pipe (6 inch diameter and larger) shall meet ASTM D3034 specifications.
  3. What is the estimated design flow from a population user determination?
  4. What septic system is the design data in appendix B for? 1500 gallon septic tank while the plan shows 2875 gallons.
  5. Furnish material specifications for the septic tank.
  6. Distribution box should have foundation design to prevent settling.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-54R

Bear Creek Uranium Mill  
(Name of Facility)

This permit hereby authorizes the applicant:

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

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

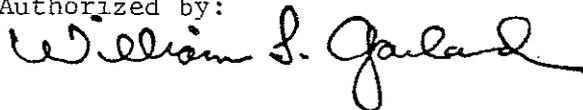
Casper Wyoming 82601  
(City) (County) (State)

to construct, install, or modify a Mill Septic System

facility located in Section 9, T38N, 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:



Supervisor, Water Quality Div.  
Director

Wyoming Dept. of Environmental Quality

March 17, 1977

Date of Issuance

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-55

Allied Chemical Corporation - Industrial Chemicals Division  
(Name of Facility) Green River Works

This permit hereby authorizes the applicant:

<u>Garland</u>	<u>B.</u>	<u>W.</u>
(Last)	(First)	(Middle)
<u>P.O. Box 551</u>		
(Street or P.O. Box)		
<u>Green River</u>	<u>Sweetwater</u>	<u>Wyoming 82935</u>
(City)	(County)	(State)

to construct, install, or modify a Solid Waste Setting ponds and Evaporation ponds  
facility located in Section 13, T19N, R109W  
(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. Garland*

\_\_\_\_\_  
Director  
Wyoming Dept. of Environmental Quality

April 19, 1977

Date of Issuance

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-55

Allied Chemical Corporation - Industrial Chemicals Division  
(Name of Facility) Green River Works

This permit hereby authorizes the applicant:

<u>Garland</u> (Last)	<u>B.</u> (First)	<u>W.</u> (Middle)
<u>P.O. Box 551</u> (Street or P.O. Box)		
<u>Green River</u> (City)	<u>Sweetwater</u> (County)	<u>Wyoming 82935</u> (State)

to construct, install, or modify a Solid Waste Settling Ponds and Evaporation Ponds  
T19, R109W, Sections 31, 32, 33  
facility located in T18, R109W, Sections 4, 5, 6  
(Legal Description)

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

Authorized by:

William P. Garland  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality

May 18, 1977

Date of Issuance



Industrial Chemicals Division  
P.O. Box 551  
Green River, Wyoming 82935  
(307) 875-3350

May 16, 1977

Mr. William Garland  
Administrator - Water Quality Division  
Department of Environmental Quality  
Hathaway Building  
Cheyenne, Wyoming 82002

Re: Solid Waste Management Plan  
Permit No. 77-55

Dear Mr. Garland:

Review of our application for subject permit revealed the legal description of the affected area was incorrect. Also, since the plan involves parts of other sections, we request the permit be revised to include all the sections in which the facilities are to be located as listed below:

Township 19 Range 109W Sections 31, 32, 33  
Township 18 Range 109W Sections 4, 5, 6

We regret the error on the application form and would appreciate receiving a revised permit.

Very truly yours,

  
B. W. Garland  
Plant Manager

WFS/clj



PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-56

23rd Street Between McKinley and Jefferson Street  
Sewer Extension, Moyle Addition

\_\_\_\_\_  
(Name of Facility)

This permit hereby authorizes the applicant:

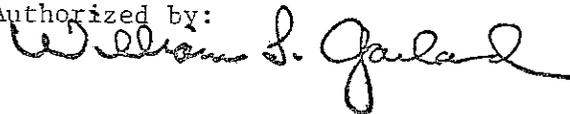
City of Casper

\_\_\_\_\_  
(Last) (First) (Middle)  
c/o Casper Board of Public Utilities  
136 W. 8th Street  
\_\_\_\_\_  
(Street or P.O. Box)  
Casper Natrona Wyoming 82601  
\_\_\_\_\_  
(City) (County) (State)

to construct, install, or modify a Sewer Extension  
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:



\_\_\_\_\_  
Supervisor - Water Quality Div.

Director

Wyoming Dept. of Environmental Quality

February 25, 1977

\_\_\_\_\_  
Date of Issuance

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-58

Sewage Lift Station and Force Main - Myrtle Avenue  
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Saratoga  
(Last) (First) (Middle)  
c/o Robert Jack Smith and Associates  
1015 Harshman, P.O. Box 1104  
(Street or P.O. Box)  
Rawlins Wyoming 82301  
(City) (County) (State)

to construct, install, or modify a Sewage Lift Station and Force Main  
facility located in the Town of Saratoga  
(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:

Frank R. Harmon  
Dir. Director  
Wyoming Dept. of Environmental Quality

February 25, 1977

Date of Issuance

cc: Phillip Hughes, Western Regional Supervisor, P.O. Box 1153, Green River,  
Wyoming 82935

March 22, 1977

Mr. Dean G. Fox  
Rt. 1, Box 35  
Sheridan, Wyoming 82801

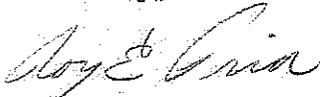
Dear Mr. Fox:

RE: As-Built drawings, Ref. No. 77-59

The information you submitted to the Water Quality Division is not adequate to determine if the facility will meet our standards. If the system is to stabilize the wastes, its operation in the anaerobic cycle will not accomplish this task. Information is lacking on anticipated flow volumes, composition of the waste, facility operation, ultimate disposal, and location with respect to rivers - streams, houses and other dwellings.

We are trying to schedule a visit to your facility to clarify these questions. Someone from this office will contact you March 31, April 1, 5, or 6.

Sincerely,



Roy E. Prior  
Environmental Engineer  
Water Quality Division

REP/jo

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-59

Fox Dairy Slurrystore

(Name of Facility)

This permit hereby authorizes the applicant:

<u>Fox</u>	<u>Dean</u>	<u>G.</u>
(Last)	(First)	(Middle)
<u>Rt. 1, Box 35</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 Dairy Waste Holding  
facility located in Section 20, T55N, R84W  
(Legal Description)

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

Authorized by:

*William S. Garland*

Director  
Wyoming Dept. of Environmental Quality

April 21, 1977

Date of Issuance

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-60

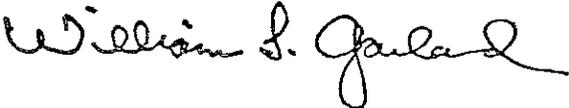
Cordero Mining Co., Gate Guard House - Septic System  
(Name of Facility)

This permit hereby authorizes the applicant:

Mr. Timothy C. Richmond  
Cordero Mining Company  
\_\_\_\_\_  
(Last) (First) (Middle)  
P.O. Box 1449  
\_\_\_\_\_  
(Street or P.O. Box)  
Gillette Campbell Wyoming 82716  
\_\_\_\_\_  
(City) (County) (State)

to construct, install, or modify a Small Waste Treatment  
facility located in NW¼ - SE¼ - Sec. 24 - T47N - 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:  


\_\_\_\_\_  
Supervisor - ~~Water~~ Quality Div.  
Wyoming Dept. of Environmental Quality

February 28, 1977  
\_\_\_\_\_  
Date of Issuance

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-61

Robitaille Subdivision

(Name of Facility)

This permit hereby authorizes the applicant:

<u>Hutchison</u>	<u>Peter</u>	<u>J.</u>
(Last)	(First)	(Middle)

<u>Wyoming Water, Inc., 1902 Thomes Ave., No. 205</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 Lots 1, 2, and 3, Block 1  
(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:

Frank R. Hansen

Director

Wyoming Dept. of Environmental Quality

February 28, 1977

Date of Issuance

cc: Don Pack, Director Environmental Health, City-County Health Unit,  
315 W. 20th, Cheyenne, Wyoming 82001

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: City of Buffalo, Water Treatment Facility Improvements

ARCHITECT OR ENGINEER: Mr. R.D. Connell, P.E., R.G. Stuckert and Associates,  
P.O. Box 901, Buffalo, Wyoming 82834

WATER QUALITY DIVISION REFERENCE NUMBER: 77-62

*William L. Garland*

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

DATE OF REVIEW: March 1, 1977

Supervisor - Water Quality Div.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. A scope of work shall be provided for the project. A complete description of any changes in operation of the existing facility shall be included.
  2. Anticipated backwash volume, TSS and chemical properties shall be provided.
  3. Soil percolation rate and depth to groundwater shall be provided for the proposed settling basin site.
  4. What provisions have been made to remove accumulated sediment from the settling basin? What method of disposal is proposed for these wastes?
  5. Details of sanitary waste disposal shall be provided, i.e. existing and proposed.
  6. The chlorine room does not comply with Section 5 of Ten State Standards, please revise where necessary.
  7. Sheet 4 of 5 is not legible, provide a better copy.
  8. What provisions will be made for the city water supply during reservoir modification?
  9. Will there be any modification to the reservoir intake structure or transmission line?
  10. The proposed facility will require a discharge permit. An application is enclosed.

REP/jo

cc: Mayor Sam Rosenthal, City of Buffalo, P.O. Box 430. Buffalo,  
WY 82834

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-62R

City of Buffalo - Raw Water Storage Basin Expansion  
(Name of Facility)

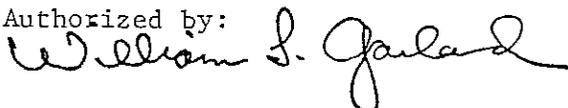
This permit hereby authorizes the applicant:

City of Buffalo  
(Last) c/o R. G. Stuckert and Associates, Inc. (First) (Middle)  
P.O. Box 901  
(Street or P.O. Box)  
Buffalo Johnson Wyoming 82834  
(City) (County) (State)

to construct, install, or modify a Raw Water Storage  
facility located in Section 6, 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.

NOTE: THIS AUTHORIZES EXPANSION OF THE RAW WATER STORAGE BASIN ONLY.  
THE CHLORINATOR BUILDING AND BACKWASH SETTLING BASIN WILL BE  
ADDRESSED ON SEPARATE APPLICATIONS.

Authorized by:  


Supervisor - Water Quality Div.  
Director  
Wyoming Dept. of Environmental Quality

March 23, 1977  
Date of Issuance

cc: City of Buffalo, P.O. Box 430, Buffalo, Wyoming 82834

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Navokovich Trailer Park, South Thermopolis

ARCHITECT OR ENGINEER: John Westnitzer - Ted Navokovich, Star Route #3,  
Thermopolis, Wyoming 82443

WATER QUALITY DIVISION REFERENCE NUMBER: 77-63

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

*William L. Garland*

DATE OF REVIEW: April 28, 1977

ACTION: CONSTRUCTION WITHOUT A PERMIT, NEED ADDITIONAL INFORMATION TO DETERMINE  
COMPLIANCE WITH MINIMUM STANDARDS.

COMMENTS:

1. Determine percolation test in leach field areas, see instructions.
2. What width is the leach trenches.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Novakovich Trailer Park - Ted Novakovich, Star Route #3,  
Thermopolis, Wyoming 82443

ARCHITECT OR ENGINEER: John Westnitzer, P.E.

WATER QUALITY DIVISION REFERENCE NUMBER: 77-63R

*William L. Garland*

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

DATE OF REVIEW: 6-15-77

ACTION: CONSTRUCTION WITHOUT A PERMIT: APPEARS TO MEET MINIMUM STANDARDS.

COMMENTS: NO PERMIT WILL BE ISSUED.

REVIEW OF PLANS AND SPECIFICATIONS

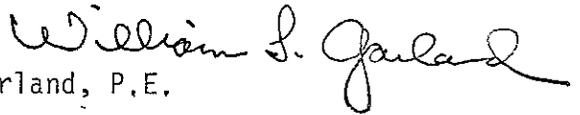
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Federal American Partners, Maintenance Shop, Sewage Disposal System,  
Section 33, T32N, R90W, Fremont County

ARCHITECT OR ENGINEER: None. Floyd D. Jackson, Federal American Partners,  
Gas Hills, Star Route, Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 77-64

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



DATE OF REVIEW: March 4, 1977

Supervisor - Water Quality Div.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS: 1) Since this is a commercial facility, all submitted plans and specifications must be signed or sealed by an engineer registered in the State of Wyoming.



REVIEW OF PLANS AND SPECIFICATIONS

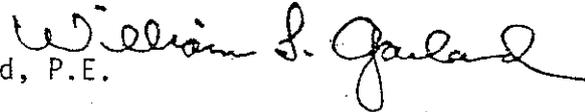
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Harvey's Mobile Home Village, Lots 23 through 28, East Thermopolis

ARCHITECT OR ENGINEER: Don Livingston, P.E. - Engineering Associates,  
P.O. Box 1539, Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: 77-65

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



DATE OF REVIEW: April 19, 1977

ACTION: CONSTRUCTION IS NOT AUTHORIZED

- COMMENTS:
1. Need a letter from Town of East Thermopolis accepting Water and Sewer.
  2. Engineer's seal or signature.
  3. Depth of sewer lines.
  4. Installation specifications (bedding, compaction, pressure tests, disinfection procedures.)
  5. Run 4-inch risers and connection lines on the two interior trailers to the six inch line or install all six inch lines with a manhole at the intersection.
  6. Water lines are required to be no less than two inches with a 3/4 inch minimum service connection.

An addendum letter will be sufficient.

JS/jo

cc: Richardson Plumbing and Heating, P.O. Box 1050, Thermopolis,  
Wyoming 82443

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Harvey's Mobile Home Village

ARCHITECT OR ENGINEER: Don Livingston, P.E., Engineering Associates, Box 1539,  
Cody, WY 82414

WATER QUALITY DIVISION REFERENCE NUMBER: 77-65R

*William L. Garland*

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

DATE OF REVIEW: May 25, 1977

ACTION: CONSTRUCTION IS NOT AUTHORIZED

COMMENTS:

Items 5 & 6 (April 19, 1977 plan review) are minimum standards as set by Chapter III, Wyoming Water Quality Rules and Regulations. The water and sewer will meet these minimum standards or no construction permit will be issued.

Solids is the main problem with a four inch line plugging. For this reason, 4 inch service lines to a single unit are the only acceptable line of this size.

Specify water lines to be disinfected per AWWA C601.

JS/jo  
Enclosure

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-65RR

Harvey's Mobile Home Village  
(Name of Facility)

This permit hereby authorizes the applicant:

Richardson Plumbing and Heating  
(Last) (First) (Middle)  
P.O. Box 1050  
(Street or P.O. Box)  
Thermopolis Hot Springs Wyoming 82443  
(City) (County) (State)

to construct, install, or modify a Sewer and Water  
facility located in Lots 23 through 28, Block 4, 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. Johnson  
Administrator  
Water Quality Division

Robert E. Smith  
Director  
Wyoming Dept. of Environmental Quality

August 5, 1977  
Date of Issuance

cc: Engineering Associates, P.O. Box 1539, Cody, WY 82414

REVIEW OF PLANS AND SPECIFICATIONS

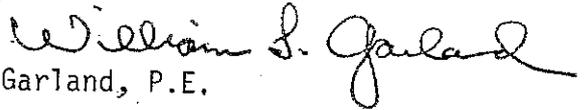
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Resubdivision of Tract 6, Valley View Addition - Gillette

ARCHITECT OR ENGINEER: Timm and Associates, P.O. Box 726, Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-67

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



DATE OF REVIEW: March 14, 1977

Supervisor - Water Quality Div.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. Infiltration or exfiltration shall not exceed 200 gallons per inch of pipe diameter per mile per day for any section of the sewer.
  2. Water main should have a minimum depth of cover of 5.0 feet. The statement "Unless Otherwise Directed" could allow less cover depth and should be deleted or revised.
  3. When required 18" separation between water and sewer mains cannot be maintained the water main shall have one section centered over the crossing so that the joints will be equidistant and as far as possible from the sewer main.
  4. Without current capacity, flow volume and efficiency of the Valley View treatment facility along with additional anticipated flow volume, we will not consider connection of the proposed system. We feel the present treatment plant cannot handle additional flows and we cannot authorize the connection without justification.
  5. Are the large lots for single family houses or multiple family dwellings?
  6. It appears that there are two fire hydrants (one existing and one proposed) within 40 feet of each other on Boxelder Rd., please clarify.
  7. Please provide specifications for fire hydrants, valves, etc.
  8. No valve boxes or curb boxes are shown, please clarify.
  9. Authorization from the City of Gillette will be required for connection to the water supply system. If the option to connect to the City sewer system is elected, authorization will be required from the City for this also.

PROJECT: Resubdivision of Tract 6, Valley View Addition - Gillette

REFERENCE NUMBER: 77-67

9. (Cont.) If connection to the Valley View treatment facility is allowed, authorization from the owner will be required.
10. Please complete one of the enclosed application forms and return it to us along with the requested information.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: City of Laramie, University of Wyoming - Ivinson Avenue Sanitary  
Sewer Line with Fraternity Row Alternate

ARCHITECT OR ENGINEER: Ed Nowak - J. T. Banner and Associates, Inc., 309 S. 4th  
Street, P.O. Box 550, Laramie, Wyoming 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 77-68

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

DATE OF REVIEW: March 15, 1977

ACTION: AUTHORIZED FOR CONSTRUCTION

COMMENTS: The distance between Manhole 10 and Manhole 11 was 422 feet which  
is greater than the allowable 400 feet. Telephone conversation  
with Mr. Nowak obtained agreement that he will adjust to comply  
with regulations.

FRH/jo

cc: Phillip Hughes, Regional Supervisor, Environmental Surveillance  
and Control, P.O. Box 1153, Green River, Wyoming 82935

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-68

Ivinson Avenue Sanitary Sewer Line  
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Banner</u> (Last)	<u>J.</u> (First)	<u>T.</u> (Middle)
<u>P.O. Box 550</u> (Street or P.O. Box)		
<u>Laramie</u> (City)	<u>Albany</u> (County)	<u>Wyoming 82070</u> (State)

to construct, install, or modify a A Sanitary Sewer Line  
facility located in \_\_\_\_\_  
(Legal Description)

in the County of Albany, 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:

Frank R. Haman  
for, Director  
Wyoming Dept. of Environmental Quality

March 17, 1977  
Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

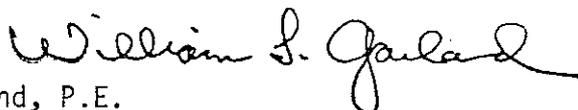
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER-QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: KOA Campground, Water and Sewer Extension - Buffalo

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

WATER QUALITY DIVISION REFERENCE NUMBER: 77-69

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



DATE OF REVIEW: March 17, 1977

Supervisor - Water Quality Div.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. Our Chapter III Regulations covering Mobile Home Parks state "Lampholes or clean outs may be installed at the end of a lateral in place of a manhole, if the length of the lateral is less than 150 feet." Therefore, the clean out which is 245 feet from a manhole will not be allowed, a manhole is required.
  2. The slope of the sewer line between M.H. 2 and M.H. 3 is less than the minimum required, i.e. 0.6%, and must be justified by calculations for minimum, average and peak flow rates.
  3. A fire hydrant detail is shown, but no fire hydrant locations are noted, please clarify. It should be noted that fire hydrants cannot be placed on lines less than 6 inches in diameter.
  4. No specification or detail has been supplied for the flushing hydrant, please provide.
  5. Please specify the size and type of the existing water and sewer lines.
  6. A detail of the water riser pipe and sewer riser pipe shall be provided. These must comply with our Chapter III Regulations.
  7. It should be noted that the AWWA standards do not cover PVC pipe less than 4 inches in diameter. A pressure rating shall be specified for the PVC pipe.
  8. Details of the water supply system shall be provided including well construction, pressure system, storage, disinfection, control system, standby capability, etc.
  9. Design data shall be provided on anticipated water supply and demand.

PROJECT: KOA Campground, Water and Sewer Extension - Buffalo

REFERENCE NUMBER: 77-69

10. The water system shows no valving to permit isolation of portions of the system.
11. Disinfection of the water system shall be provided prior to placing into service.
12. The previous Permit to Construct 75-214RR indicates a manhole about 64 feet from the treatment plant with a 30 foot stub of 6" PVC @1% going to the North. Does the new sewer line tie into this stub or does it tie into the manhole closer to the KOA Building?
13. Due to the large number of comments this cannot be considered a final review of plans and specifications.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: KOA Campground, Water and Sewer

ARCHITECT OR ENGINEER: Plains Engineering, P.O. Box 432, Buffalo, WY 82834

WATER QUALITY DIVISION REFERENCE NUMBER: 77-69R, Ref. 75-214RR

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

DATE OF REVIEW: 6-14-77

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

- COMMENTS:
1. Disinfection of the water lines shall comply with AWWA C 601-68.
  2. Alignment specifications for sewer lines shall be provided.
  3. Bedding details shall include provisions for placing of the backfill material, relieving the bells and acceptable backfill materials.
  4. The existing water sytem must meet the standards for a public water supply. Please supply information as to the construction of each well, its piping, well seal, termination point of casing, characteristics of pressure tank, captive air in pressure tank, and other items per 10 State Standards.
  5. This cannot be considered a final review.

REP/jo

cc: KOA Campground, Box 105, Buffalo, WY 82834

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-69RR

KOA Campground Extension  
(Name of Facility)

This permit hereby authorizes the applicant:

Hokanson                      Robert  
(Last)                              (First)                              (Middle)

P.O. Box 865  
(Street or P.O. Box)

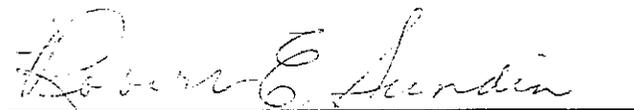
Buffalo                              Johnson                              Wyoming 82834  
(City)                              (County)                              (State)

to construct, install, or modify a Public Water Supply and Sewage Collection  
facility located in Section 25, 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:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Wyoming Dept. of Environmental Quality

August 29, 1977

Date of Issuance

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

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-70

Town of Douglas - Steel Building - Warehouse  
(Name of Facility)

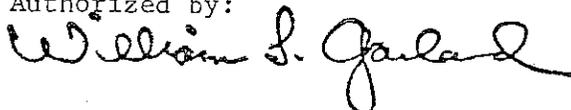
This permit hereby authorizes the applicant:

Town of Douglas  
(Last) (First) (Middle)  
130 South 3rd Street  
(Street or P.O. Box)  
Douglas Converse Wyoming 82633  
(City) (County) (State)

to construct, install, or modify a Industrial Waste Treatment Facility  
facility located in NW $\frac{1}{4}$  - SW $\frac{1}{4}$ , Section 3, T32N, R71W  
(Legal Description)

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

Authorized by:



Supervisor - Water Quality Div.  
Director

Wyoming Dept. of Environmental Quality

March 9, 1977

Date of Issuance

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-71

Sunrise Heights Subdivision  
(Name of Facility)

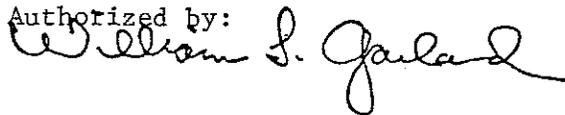
This permit hereby authorizes the applicant:

Varney	Carl	Earl
(Last)	(First)	(Middle)
c/o John W. Donnell		
P.O. Box 13		
(Street or P.O. Box)		
Worland	Washakie	Wyoming 82401
(City)	(County)	(State)

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

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

Authorized by:



Supervisor - Water Quality Div.

Director

Wyoming Dept. of Environmental Quality

March 18, 1977

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

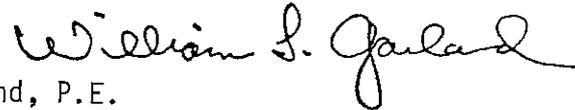
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Sunrise Heights Subdivision, Water and Sewer Extensions, Worland

ARCHITECT OR ENGINEER: John W. Donnell, P.O. Box 13, Worland, Wyoming 82401

WATER QUALITY DIVISION REFERENCE NUMBER: 77-71

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



DATE OF REVIEW: March 18, 1977

Supervisor - Water Quality Div.

ACTION: CONSTRUCTION AUTHORIZED (SEE CONDITIONS)

COMMENTS: Ensure cleanouts have sufficient surface drainage to prevent inflow.

The deadend water main by MH #27 should be omitted or a blowoff valve, flushing hydrant or fire hydrant installed.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-72

Dr. Jay Dee Fox Septic Tank System

(Name of Facility)

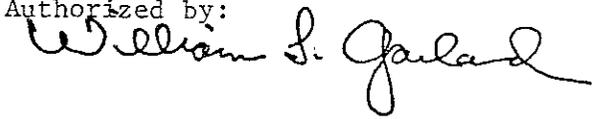
This permit hereby authorizes the applicant:

<u>Fox</u>	<u>Jay</u>	<u>Dee</u>
(Last)	(First)	(Middle)
<u>P.O. Box 2877</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 Section 6, 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:



Supervisor - Water Quality Div.  
Director

Wyoming Dept. of Environmental Quality

March 23, 1977

Date of Issuance

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 77-73

Eastgate II  
(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 Natrona Wyoming 82601  
(City) (County) (State)

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

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

Authorized by:

*William S. Garland*

Supervisor - Water Quality Div.

Director

Wyoming Dept. of Environmental Quality

March 18, 1977

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Eastgate II Water and Sewer Extensions, Waterford, Clyde and Dundee Streets

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

WATER QUALITY DIVISION REFERENCE NUMBER: 77-73

*William L. Garland*

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

DATE OF REVIEW: March 16, 1977

Supervisor - Water Quality Div.

ACTION: CONSTRUCTION AUTHORIZED ( APPROVAL DOES NOT INCLUDE EVANSVILLE  
WATER LINE RELOCATION).

COMMENTS:



REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: City of Rawlins - Sanitary Sewer Interceptor, Rawlins, Wyoming

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

WATER QUALITY DIVISION REFERENCE NUMBER: 77-74

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

DATE OF REVIEW: March 15, 1977

ACTION: AUTHORIZED FOR CONSTRUCTION

COMMENTS:

cc: Phillip Hughes, Regional Supervisor, Environmental Surveillance  
and Control, P.O. Box 1153, Green River, Wyoming 82935

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-74R

Rawlins Sewer Interceptor Modification  
(Name of Facility)

This permit hereby authorizes the applicant:

City of Rawlins  
(Last) (First) (Middle)  
c/o Nelson Engineering  
P.O. Box 1141  
(Street or P.O. Box)

Jackson Teton Wyoming 83001  
(City) (County) (State)

to construct, install, or modify a Sewage Interceptor  
facility located in Sections 14, 15, 16, 22 & 23, T21N, R87W  
(Legal Description)

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

Authorized by:

William J. Pala  
Administrator  
Water Quality Division

Robert E. Anderson  
Director  
Wyoming Dept. of Environmental Quality

December 19, 1977

Date of Issuance



*Department of Environmental Quality*  
*Water Quality Division*

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

September 15, 1977

Robert L. Farnsworth, P.E.  
Nelson Engineering  
P.O. Box 1141  
Jackson, Wyoming 83001

77-74

Dear Bob:

The Water Quality Division has reviewed the revised plans for the Rawlins Interceptor (EPA Grant No. C-560106-03-0). The revisions are acceptable to the Water Quality Division and are approved as revisions under WQD Permit to Construct No. 77-74.

Approved copies are being returned. If you have any questions, give me a call.

Yours truly,

*Tom Mueller*

Tom Mueller  
Environmental Engineer  
Water Quality Division

TM/jo

cc: Jim Brooks, Municipal Grants Division, EPA, 1860 Lincoln Street,  
Denver, CO 80203  
Municipal Grants File  
Chronological File

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Curley Trailer Park, Water and Wastewater Facilities, Fremont  
County, Wyoming

ARCHITECT OR ENGINEER: John Cometto, P.E., The Company Incorporated,  
Main Street, Lander, Wyoming 82520

WATER QUALITY DIVISION REFERENCE NUMBER: 77-75

*William L. Garland*

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

DATE OF REVIEW: March 23, 1977

Supervisor - Water Quality Div.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

COMMENTS:

WATER SYSTEM

- 1) Complete detailed plans and specifications are needed for the existing well and pressure tank system (i.e. depth, casing, grouting details, capping details, yield, chemical analysis, bacteriological analysis, pump characteristics, piping details, distance from septic tank-leach field, etc.)
- 2) Please submit average and peak flow requirements. All wells and pumps in a hydropneumatic system should have a capacity of at least six to ten times the average daily consumption rate.
- 3) A blowoff is needed at the end of the east-west water line. Submit detailed drawing of blowoff.
- 4) The water riser shall terminate at least four inches above natural ground, surface water or runoff water, whichever is higher.
- 5) Please provide compaction specifications for the backfill (i.e. - AASHTO T-99 or T-180.)
- 6) Pressure tests shall be conducted at  $1\frac{1}{2}$  times the normal operating pressure.
- 7) Thrust blocking details are needed.
- 8) Recommend that valves be placed on all individual lot lines.
- 9) Please notify Mr. Robert Pinther of this Department when hookups begin. Curley Trailer Park must be on our bacteriological sampling program.

PROJECT: Curley Trailer Park, Water and Wastewater Facilities,  
Fremont County, Wyoming

REFERENCE NUMBER: 77-75

SEWER SYSTEM

- 10) Leaching wells will not be allowed.
- 11) Submit information on the depth to the seasonal high groundwater table.
- 12) Detailed drawing of the septic tanks are needed.
- 13) Submit sewer riser details (drawing and/or specifications)
- 14) Please provide sewer line grades.
- 15) Provide compaction specifications (i.e. - AASHO T-99 or I-180.

Due to the large number of comments, this list of items does not necessarily constitute the total list of items which need attention.

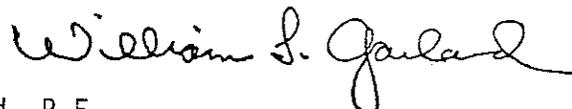
REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: 4-J Subdivision, Second Filing - Gillette

ARCHITECT OR ENGINEER: Larson Engineering, 316 South Gillette Avenue, Gillette,  
Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-76



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

Supervisor - Water Quality Div.

DATE OF REVIEW: March 23, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. Dead end water mains shall be minimized by looping of all mains whenever practical. Where dead-end mains occur they shall be provided with a fire hydrant, flushing hydrant or blow-off for flushing purposes.
  2. Please specify the size and type of existing water and sewer lines. Indicate what is existing and what is proposed.
  3. No provisions have been made to disinfect or test the water main prior to placing into service, please provide.
  4. It is not clear what is included in this project. The overall plan view shows a dark area which appears to indicate the boundaries of the project but plan and profiles include areas outside the dark section, please clarify.
  5. The overall plan view and the plan and profiles appear to conflict in location of valves and manholes, please clarify.
  6. Please specify the internal diameter of the typical drop manhole.
  7. Your standard bedding detail appears to conflict with your compaction note. Lightly compacted backfill is not normally 90-95% of optimum density.
  8. No infiltration-exfiltration specification was provided for the sewer line; it must comply with Ten State Standards. What provisions have been made to flush the sewer line prior to placing into service.

PROJECT: 4-J Subdivision, Second Filing - Gillette

REFERENCE NUMBER: 77-76

9. Specifications shall be provided for allowable water main leakage, valves, hydrants, etc. These should note applicable AWWA standards.
10. All PVC water pipe shall conform to the latest revision of AWWA C-900. Sewer pipe should conform to ASTM 3033 or 3034.
11. No water - sewer crossing specification or detail is provided, please clarify.
12. Bedding details for water and sewer lines shall include provisions for placing the pipe, relieving the bells, placing of backfill material in the trench and around the pipe, and acceptable material that can be used for backfill.
13. Due to the large number of comments, this cannot be considered a final review of plans and specifications.

TRB/jo

cc: Coulter, Inc., P.O. Box 909, Gillette, Wyoming 82716

REVIEW OF PLANS AND SPECIFICATIONS

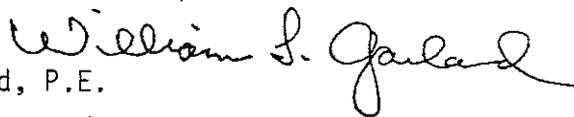
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: 4-J Subdivision, Second Filing - Gillette

ARCHITECT OR ENGINEER: Larson Engineering, 316 South Gillette Avenue,  
Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-76R

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



DATE OF REVIEW: April 19, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

COMMENTS: As per verbal request by Mr. Russ Larson on 4-19-77, the plans have been withdrawn from the review process because they are being revised and will be resubmitted at a later date.

TRB/jo

cc: Coulter, Inc., P.O. Box 909, Gillette, Wyoming 82716

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: 4-J Subdivision, Second Filing - Gillette

ARCHITECT OR ENGINEER: Larson Engineering, 316 South Gillette Avenue,  
Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-76RR

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

DATE OF REVIEW: June 2, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

COMMENTS:

The resubmittals, dated May 19, 1977, are not consistent with the layout map of the plans which was previously submitted. Please clarify this and provide a revised overall plan view showing all necessary informations.

We will process your application upon receipt of the revised layout map which is consistent with the details.

cc: Coulter, Inc., P.O. Box 909, Gillette, WY 82716

REVIEW OF PLANS AND SPECIFICATIONS

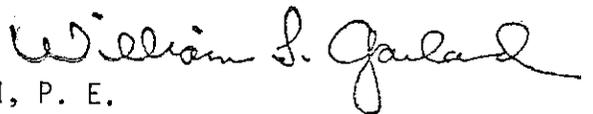
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: 4-J Subdivision, second filing, water and sewer design

ARCHITECT OR ENGINEER: Larson Engineering, 316 South Gillette Ave., Gillette, WY 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 77-76RRR

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



DATE OF REVIEW: June 30, 1977

ACTION: Not authorized for construction (see comments)

COMMENTS:

- 1) Dead end water lines must have fire hydrants or flushing hydrants.
- 2) Manholes or clean outs shall be installed at the end of each line. Clean outs can only be used on line 150 feet or less.
- 3) We have not received a letter from the City of Gillette accepting the subdivision. A phone call this date to Gary Albertson, City Engineer, confirmed a letter was forthcoming.
- 4) This cannot be considered a final review.

cc: Coulter, Inc., P. O. Box 909, Gillette, WY 82716

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-76RRRR

4-J Subdivision  
(Name of Facility)

This permit hereby authorizes the applicant:

Coulter                      Milton  
(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 Sewage Collection and Water Distribution  
facility located in Section 34, 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. [Signature]  
Administrator  
Water Quality Division

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

July 14, 1977

Date of Issuance  
cc: Larson Engineering, 316 South Gillette Avenue, Gillette, WY 82716

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-77

Thermopolis Water Plant  
(Name of Facility)

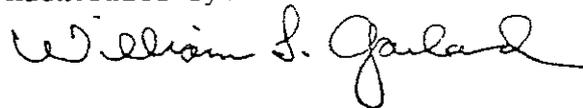
This permit hereby authorizes the applicant:

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

to construct, install, or modify a Backwash and Solids Removal  
facility located in the Town of 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:



Director  
Wyoming Dept. of Environmental Quality

April 21, 1977

Date of Issuance

March 22, 1977

Lee S. Bublitz, P.E.  
Mile-Hi Engineering, Inc.  
2422 South Downing Street  
Denver, Colorado 80210

Dear Mr. Bublitz:

RE: Your letter dated March 8, 1977

SUBJECT: Prospector Village, WQD No. 77-78, Ref. 76-288R.

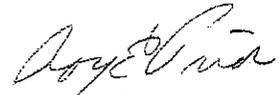
In order to clarify our position, the information supplied to the Water Quality Division was that plans and specifications for Prospector Village would be submitted in two (2) parts. The developer wanted to proceed with the initial phase so that construction could be started as soon as possible, then the final phase would be submitted for a permit to construct. It was verbally assured us that if we would allow the construction of a single cell lagoon, plans and specifications for the total facility would be submitted before the single cell began discharging. It seems that through our cooperation in allowing a permit to construct a particle facility misunderstanding and confusion has resulted. It is now time to put the cards on the table.

The latest submittal, DEQ 77-78, indicates there are twenty-three (23) drawings pertaining to Prospector Village. The original submittal, DEQ 76-288, indicated only nine (9) numbered drawings with additional numbered and unnumbered drawings with no sequential order. The information submitted in 77-78 indicates 300 units but the original submittal 76-288 indicated 139 units. To clarify your intentions and our confusion please submit two (2) copies of the complete plans and specifications, design data, population projections, flows, soil conditions, manufacturer's data, i.e., pump-capacity, horse power and head, design calculations showing assumption and/or criteria used, fire flow pressures, etc. If you will consult our regulations and standards this information should be supplied with each application for a permit to construct.

Lee S. Bublitz, P.E.  
March 22, 1977  
Page 2

We will not proceed with our review until we receive a complete application and a cover letter indicating the scope of the project.

Sincerely,



Roy E. Prior  
Environmental Engineer  
Water Quality Division

REP/jo

REVIEW OF PLANS AND SPECIFICATIONS

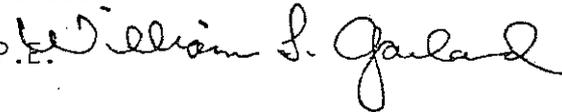
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Prospector Village Filing No. 1 - Gillette

ARCHITECT OR ENGINEER: Mile-Hi Engineering, Inc., 2422 South Downing Street,  
Denver, Colorado 80210

WATER QUALITY DIVISION REFERENCE NUMBER: 77-78R, Ref. 76-288R

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



DATE OF REVIEW: April 18, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. How is the recirculation line going to be cleaned if it becomes plugged?
  2. The parallel flow option shall be eliminated because the second cell is unaerated and solids deposition would be detrimental to the function of the second cell.
  3. Bottom elevation on Section B-B Sheet 17 of 23 should be 4270 not 4770.
  4. Where on panels B-C and C-D are the 12 inch square windows located?
  5. Is the overflow structure in cell #2 similar to Section D-D? When will the overflow in cell #1 be used? What means of control is provided for the overflow in cell #1? Please explain the operation of the overflow system.
  6. How will the 1 inch P.E. Tubing Chlorine Supply Line be repaired if it breaks in cell #1?
  7. Due to the depth of the second cell we feel there may be problems with solids deposition, dead spots, odor, and short circuiting but our ultimate control will be that the discharge from the facility must meet the numbers established in the discharge permit.

REP/jo

cc: Amax Coal Company, 105 Meridian Street, Indianapolis, Indiana 46225

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-78RR

Prospector Village Filing No. 1  
(Name of Facility)

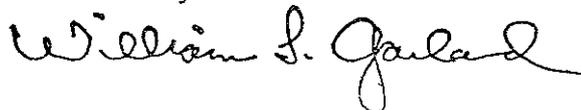
This permit hereby authorizes the applicant:

Amax Coal Company  
(Last) (First) (Middle)  
c/o Mile-Hi Engineering, Inc.  
2422 South Downing Street  
(Street or P.O. Box)  
Denver Colorado 80210  
(City) (County) (State)

to construct, install, or modify a Publix Water Supply and Waste Treatment  
facility located in Section 20, T51N, 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:



\_\_\_\_\_  
Director  
Wyoming Dept. of Environmental Quality

April 28, 1977

Date of Issuance

cc: Amax Coal Company, 105 Meridian Street, Indianapolis, Indiana 46225

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Home Ranch Subdivision 2nd Addition, Water and Sewer System - Sheridan

ARCHITECT OR ENGINEER: W. J. Pilch and Associates, Box 6498, Sheridan, WY 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 77-79

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

DATE OF REVIEW: March 23, 1977

*William L. Garland*  
Supervisor - Water Quality Div.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. It appears that M.H. #30 on the future 8" sewer line ties into the existing 6" irrigation line, please clarify.
  2. Maximum distance between manholes is 400 feet. It is 420 feet between M.H. #29 and M.H. #4, please revise.
  3. Due to the large distance between valves on the water line which runs along West Home Ranch Place (approximately 1200 feet), an additional valve should be installed to reduce the number of lots which would be without water in case of line failure.
  4. Why does the water line going east from West Home Ranch Place end in a fire hydrant rather than continue east until it connects with the main feeder line on Home Ranch Place?
  5. An overall plan view shall be provided which shows water and sewer lines, streets, and contour lines.
  6. We do not feel that 35,000 gals. storage is adequate to meet both domestic and fire flow demands. Please provide design calculations, i.e. population, flows, pressures, storage required, etc.
  7. Does the Nylon Reinforced Butyl Water Bag carry the NSF seal? Provide manufacturer's details.
  8. Manufacturers data shall be provided for the booster pump unit. Discharge with respect to anticipated head shall be included. A profile view of the proposed installation of the unit shall be provided.

PROJECT: Home Ranch Subdivision 2nd Addition, Water and Sewer System -  
Sheridan

REFERENCE NUMBER: 77-79

9. Data on the existing and proposed pump house and sump shall be provided. This shall include discharge for both systems, and pump type.
10. How will the two distribution systems interact?
11. What type of chlorination is proposed?
12. A complete valve schematic for the well house, pump stations, etc., shall be provided.
13. Since the Home Ranch Subdivision is expanding the Southside Water and Sewer District, will the lift station be adequate to handle the increased flows?
14. There are many possible problems associated with the connection to the Southside Sewer System so we cannot give any type of approval on the sewer system until we have a letter of authorization from the City and Southside Sewer District.
15. Due to the large number of comments, this cannot be considered a final review of plans and specifications.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-80

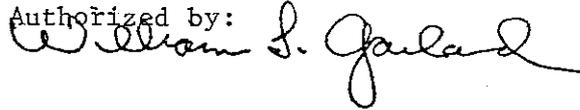
Marion Court Addition - City of Sheridan  
(Name of Facility)

This permit hereby authorizes the applicant:

City of Sheridan  
(Last) (First) (Middle)  
c/o Walter J. Pilch and Associates  
Box 6498  
(Street or P.O. Box)  
Sheridan Sheridan Wyoming 82801  
(City) (County) (State)

to construct, install, or modify a Water Distribution - Sewage Collection  
facility located in Section 27, T56N, R84W, City of Sheridan  
(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:  


Supervisor - Water Quality Div.  
Director  
Wyoming Dept. of Environmental Quality

March 17, 1977

Date of Issuance  
cc: City of Sheridan, Box 848, Sheridan, Wyoming 82801

REVIEW OF PLANS AND SPECIFICATIONS

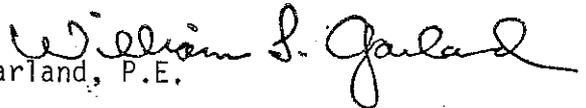
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Septic System, Cities Service Company - Campbell County

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

WATER QUALITY DIVISION REFERENCE NUMBER: 77-81

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



DATE OF REVIEW: March 17, 1977

Supervisor - Water Quality Div.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. No manholes are shown in the top of the septic tank. Please indicate what provisions are made for access.
  2. A one (1) inch vent hole shall be provided at the top of the inlet "L".
  3. Class "B" bedding is called for in rock, but no detail is shown.
  4. What will the wastes be composed of? Please provide design data on the 50 G.P.D. flow volume.
  5. Please complete one of the enclosed application forms and return it to us with the requested information.

TRB/jo

cc: Cities Service Company, 1600 Broadway, Suite 900, Colorado  
State Bank Bldg., Denver, Colorado 80202

*Ed Herschler*



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality  
Water Quality Division*

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 15, 1977

**77-83**

Brent C. Bailey  
Hamilton and Voeller, Inc.  
P.O. Box 1358  
Pocatello, Idaho 83201

Dear Mr. Bailey:

Thank you for your excellent submission concerning the B Bar H project near Jackson, Wyoming. The proposed design of the water system is satisfactory. I would strongly recommend that the design of the system include looped water lines.

The wastewater system you propose is a small package treatment plant. As future growth occurs I presume that the recommendation will be to install another package plant. Placing package plants in series or parallel has presented serious operational problems. It has been my experience that the operation of an oxidation ditch is less complicated and thus more conducive to smaller installations than is a package treatment plant. A certified operator will be required to attend to the selected process. In addition to the problems of operation, obtaining a certified operator, and future expansion, I recommend that the oxidation ditch be reevaluated and possibly selected as the recommended method of wastewater disposal. The process as indicated is satisfactory although I recommend further consideration of the oxidation ditch for the treatment process.

If you have any questions concerning this review please contact me.

Sincerely,

*Don Armstrong*  
Don Armstrong  
Environmental Engineer

DA/dmh

REVIEW OF PLANS AND SPECIFICATIONS

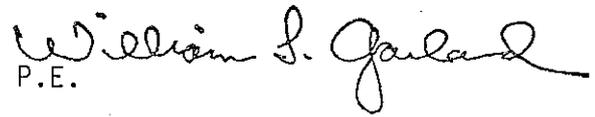
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Weyrich Trailer Court, Newcastle, Wyoming

ARCHITECT OR ENGINEER: James T. Fletcher, P.E. & L.S., P.O. Box 727,  
Newcastle, Wyoming 82701

WATER QUALITY DIVISION REFERENCE NUMBER: 77-85

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



DATE OF REVIEW: May 4, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS

- COMMENTS:
- 1) The sizes and shapes of thrust blocks for a tee and plug located at Roby Avenue and for a tie to the City main shall be provided.
  - 2) Stop valves and drains for water connection and flushing hydrant which are designed to be installed underground are not acceptable.
  - 3) What are the working pressure ratings and SDR for water line?
  - 4) Profiles for sewer line shall be submitted.
  - 5) This cannot be considered a final review of plans and specifications. Upon receipt of the required information a final review will be initiated.

DHK/jo

cc: Mr. Paul Weyrich, 936 Cambria, Newcastle, WY 82701

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-85R

Weyrich Trailer Court

(Name of Facility)

This permit hereby authorizes the applicant:

<u>Weyrich</u>	<u>Paul</u>	
(Last)	(First)	(Middle)
<u>936 Cambria</u>		
(Street or P.O. Box)		
<u>Newcastle</u>	<u>Weston</u>	<u>Wyoming 82701</u>
(City)	(County)	(State)

to construct, install, or modify a Municipal water distribution & sewage collection  
System  
facility located in Section 30, T45N, R61W  
(Legal Description)

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

Authorized by:

William J. Ireland  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality

June 1, 1977

Date of Issuance

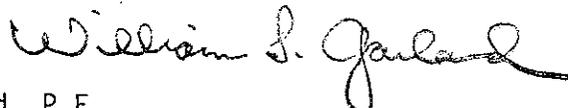
REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Garrett Industrial Park, Wheatland, Wyoming

ARCHITECT OR ENGINEER: K & H Engineering, P.O. Box 856, Wheatland, Wyoming 82201

WATER QUALITY DIVISION REFERENCE NUMBER: 77-86



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

Supervisor - Water Quality Div.

DATE OF REVIEW: March 24, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. A detail of the sewer outfall to the lagoon is required. Futhermore, a permit to construct the additional lagoon, is required and this office has not received any written notification of plans for such a lagoon from either the City of Wheatland or the City Engineer.
  2. A detail drawing of the proposed wellhead shall be required.
  3. In previous phone conversations with K & H personnel, it was understood that a water storage tank was to be provided. Details of the tank, and of the method to be used to maintain minimum distribution pressure, shall be required.
  4. Is the blow-off valve to be a fire hydrant? If not, details shall be required. In either case, an auxiliary valve and thrust block are required.
  5. The specifications shall include the minimum water and sewer separations, and the methods used to protect the water mains at all crossings.
  6. An infiltration specification shall be included for vitrified clay sewer pipe if it is to be used.
  7. Water service tap specifications should include a curb stop.

REVIEW OF PLANS AND SPECIFICATIONS

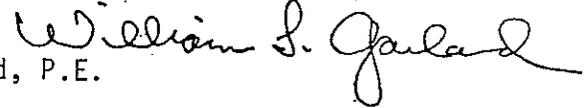
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Water supply improvements for Vista West Subdivision, Natrona County

ARCHITECT OR ENGINEER: Robert Streeter II, Sigma Engineering, P.O. Box 4060,  
Casper, Wyoming 82601 Owner: Barnard & Investments Co.,  
P.O. Box 567, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 77-87

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



DATE OF REVIEW: March 22, 1977

Supervisor - Water Quality Div.

ACTION: CONSTRUCTION NOT AUTHORIZED

COMMENTS: Furnish the following information:

1. Yield of well (80 gpm)
2. Pump capacity with lift required by well depth.
3. Design of system (number of units to be served by supply, estimated flow per residence, systems capability to maintain a minimum of 20 psi under all conditions of flow, estimated storage use at peak demand, supply uses, etc.)
4. Chemical analysis of well water.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-87R

Vista West  
(Name of Facility)

This permit hereby authorizes the applicant:

Barnard and Lowham Investment Company  
(Last) (First) (Middle)  
P.O. Box 567  
(Street or P.O. Box)  
Casper Natrona Wyoming 82602  
(City) (County) (State)

to construct, install, or modify a Water Supply and Extensions  
facility located in Vista West 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 S. Garland*

\_\_\_\_\_  
Director  
Wyoming Dept. of Environmental Quality

April 19, 1977

Date of Issuance

cc: Nix Anderson

REVIEW OF PLANS AND SPECIFICATIONS

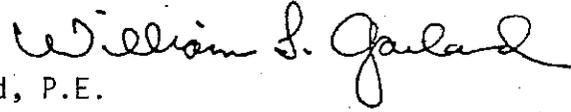
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Douglas Storage Tanks and Water Improvements, Douglas, WY

ARCHITECT OR ENGINEER: Albert Nelson, P.E., Nelson Engineering, Box 1141,  
Jackson, Wyoming 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 77-88

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



DATE OF REVIEW: April 18, 1977

ACTION: CONSTRUCTION NOT AUTHORIZED

- COMMENTS:
1. Specify pressure rating of AWWA C-900 PVC.
  2. Install check valve on Park Drive to isolate 1 million gallon storage pressure distribution system.
  3. Vault drains shall terminate to daylight. Pressure reducing vault will not require drain.
  4. Concrete splash pads at storage tanks for drain and overflow should be specified.
  5. Overflow pipe should be designed for freeze protection.
  6. Review of storage tank final plans should also be reviewed by this office.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-88R

Douglas Water Storage Tank  
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Town of Douglas</u>		
(Last)	(First)	(Middle)
<u>130 South Third Street</u>		
(Street or P.O. Box)		
<u>Douglas</u>	<u>Converse</u>	<u>Wyoming 82633</u>
(City)	(County)	(State)

to construct, install, or modify a Water Improvements  
facility located in the Town of Douglas  
(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:



\_\_\_\_\_  
Director  
Wyoming Dept. of Environmental Quality

May 5, 1977

Date of Issuance

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-89

Bear Creek Tailings Disposal Pond  
(Name of Facility)

This permit hereby authorizes the applicant:

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

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

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

NOTE: THIS OFFICE WOULD ALSO REQUEST GROUNDWATER MONITORING DATA AS FURNISHED TO LAND QUALITY DIVISION.

Authorized by:

William J. Ireland  
Administrator  
Water Quality Division

Robert E. Anderson  
Director  
Wyoming Dept. of Environmental Quality

October 3, 1977  
Date of Issuance



P.O. Box 2654  
Casper, Wyoming 82602  
(307) 358-2514

September 26, 1977

Mr. William Garland  
Wyoming Department of Environmental Quality  
Water Quality Division  
State Office Building  
Cheyenne, Wyoming 82002

Dear Mr. Garland:

Re: Permits to Construct Wastewater Facilities  
Nos. 77-89, 77-54R, 76-126B, 76-126A, and  
76-231

In a letter dated August 8, 1977, request of transfer of ownership and responsibility of the referenced permits was made to your office. Your acknowledgment that the transfers have been completed would be appreciated before September 30, 1977. A copy of the original letter is attached for your reference.

If there are any complications with the requested assignment, I would appreciate being advised of such matters as soon as possible.

Please reply to me at the following address:

c/o Rocky Mountain Energy Company  
4704 Harlan Street  
Denver, Colorado 80212

Sincerely,

Richard D. Andrews  
Environmental Coordinator

RDA:sh

Enclosure

CC: W. F. Baumann





P.O. Box 2654  
Casper, Wyoming 82602  
(307) 358-2514

August 8, 1977

Mr. William Garland  
Wyoming Department of Environmental Quality  
Water Quality Division  
State Office Building  
Cheyenne, Wyoming 82002

Dear Mr. Garland:

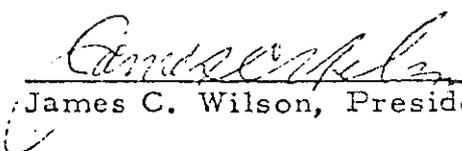
Re: Permit(s) to Construct Wastewater Facilities  
Nos. 77-89, 77-54R, 76-126B, 76-126A, and  
76-231

Ownership of the Bear Creek Mine and Mill has been held jointly by Rocky Mountain Energy Company and Mono Power Company, and has been operated by Rocky Mountain Energy pursuant to the terms of a Joint Operating Agreement. The Bear Creek owners have now formed Bear Creek Uranium Company, a general partnership in which Rocky Mountain Energy and Mono are equal partners, and are in the process of transferring ownership of the Mine and Mill properties to the partnership. Rocky Mountain Energy will continue as operator under a management agreement with the partnership. In view of the transfer of title to the partnership, the assignment of the referenced permits to the name of Bear Creek Uranium Company is hereby requested.

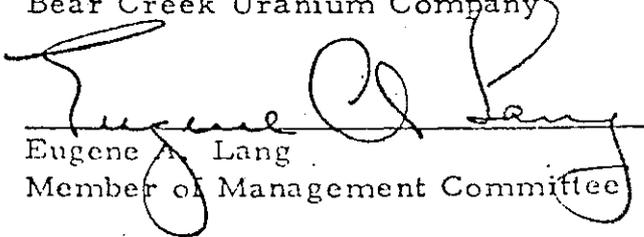
The permittee's name only should be changed without change as to address or responsible individual(s). Bear Creek Uranium Company fully accepts all terms, conditions, and responsibilities of said permit issued in the name of Rocky Mountain Energy Company.

Very truly yours,

By: Rocky Mountain Energy Company

  
James C. Wilson, President

By: Bear Creek Uranium Company

  
Eugene A. Lang  
Member of Management Committee

RDA:sh  
BCC: W. F. Baumann

R. D. Andrews

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Moore Trailer Court, Water and Sewer System - Moorcroft

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

WATER QUALITY DIVISION REFERENCE NUMBER: 77-90

*William L. Garland*

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

DATE OF REVIEW: March 23, 1977

Supervisor - Water Quality Div.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. Manufacturer's data shall be provided for the booster pump which includes discharge with respect to anticipated head.
  2. Please provide data on the well, i.e. capacity, pump-discharge with respect to head, well seal, pitless adapter, chemical and bacteriological quality, etc.
  3. The pressure rating of the PVC pipe shall be specified.
  4. The septic tank manholes should be relocated to provide access to the inlet and outlet "T" baffles for cleaning.
  5. "Y" saddles or "T" saddles are not allowed; "Y" branches shall be used.
  6. A typical sewer manhole detail shall be provided.
  7. No specification or detail has been provided for the water hydrant, please provide.
  8. The sewer line slopes of 0.10% are much less than the minimum of 0.60% and must be increased. Anything less than 0.60% must be justified with design calculations.
  9. Each sewer riser pipe shall be protected by concrete at ground surface a minimum of four (4) inches thick and twelve (12) inches in diameter.
  10. Each water riser shall terminate at least four (4) inches minimum vertical separation above natural ground, surface water or runoff water whichever is higher.

PROJECT: Moore Trailer Court, Water and Sewer System - Moorcroft

REFERENCE NUMBER: 77-90

11. Section: 10.33 Gate Valves lists AWWA Tentative Specification C-500 latest edition, please clarify.
12. Sheet 5 of 6 calls out AWWA Specification (C-601-54) which is an old revision and should be corrected.
13. Please describe how the well, storage tank and booster pump are controlled. Sizes of all lines and types of all valves shall be specified for the well and tank building.
14. Due to the number of comments this cannot be considered a final review of plans and specifications.
15. One copy of the enclosed application forms should be completed and returned with the requested information.

TRB/jo

cc: Mr. Lyon Moore, Moorcroft, Wyoming 82721

REVIEW OF PLANS AND SPECIFICATIONS

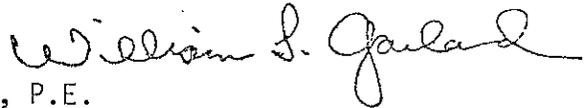
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Moore Trailer Court, Water and Sewer - Moorcroft

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

WATER QUALITY DIVISION REFERENCE NUMBER: 77-90R

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



DATE OF REVIEW: May 9, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. Well casing should terminate 12" above the pumphouse floor or highest flood level.
  2. How does the water system operate?
  3. The storage tank should be able to be bypassed to perform required maintenance.
  4. What kind of pipe is being used, what is its pressure rating of all the lines in the Subdivision?
  5. Well vent must terminate in a downward position with the opening covered by 24 mesh corrosion resistant screen.
  6. Does the well-storage tank house have a drain? If so submit details.
  7. In case of pump failure or power loss, can the mobile home park receive water?
  8. The water being used in the subdivision is high in sodium salts which can be very cathartic and diuretic. While the State of Wyoming does not have standards governing chemical quality of the water, we recommend (at your option) additional treatment.
  9. Minimum cover on top of the gravel in a leach field is 12 inches.
  10. Stop and drain valves are not allowed.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-90RR

Lyon Moore Trailer Court  
(Name of Facility)

This permit hereby authorizes the applicant:

Moore                      Lyon                      A.  
(Last)                      (First)                      (Middle)  
P.O. Box 241  
(Street or P.O. Box)  
Moorcroft                      Crook                      Wyoming 82721  
(City)                      (County)                      (State)

to construct, install, or modify a Public Water Supply and Waste Treatment  
facility located in Section 1, T49N, R68W  
(Legal Description)

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

NOTE: THE PUBLIC WATER SUPPLY MUST HAVE A CERTIFIED OPERATOR.  
cc: Plains Engineering, P.O. Box 727, Newcastle, WY 82701

Authorized by:

William S. Garland  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality

June 24, 1977  
Date of Issuance

The extra copies of your plans and specifications were sent to Environmental Surveillance and Control, Department of Health and Social Services, for their review per our Chapter III Regulations.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-91

Enlargement Barnds Stock Reservoir - Campbell County  
(Name of Facility)

This permit hereby authorizes the applicant:

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

to construct, install, or modify a Sediment Settling Pond  
facility located in Section 14, T43N, R70W  
(Legal Description)

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

Authorized by:



Supervisor, Water Quality Div.  
Director  
Wyoming Dept. of Environmental Quality

March 28, 1977

Date of Issuance

cc: Paul A. Rechard, P.E., 316 Stuart Street, Laramie, Wyoming 82070

REVIEW OF PLANS AND SPECIFICATIONS

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

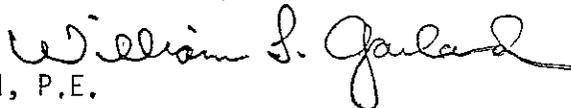
PROJECT: Welex, A Halliburton Company, Industrial Waste Treatment Facility,  
Section 22, T19N, R105W, Sweetwater County, Wyoming

ARCHITECT OR ENGINEER: W. P. Renner, P.E.

Howard L. Kendall,  
Colorado State Bank Bldg.  
Suite 475, Denver, Colorado 80202

WATER QUALITY DIVISION REFERENCE NUMBER: 77-92

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



DATE OF REVIEW: March 24, 1977

Supervisor - Water Quality Div.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION.

- COMMENTS:
- 1) Please supply slopes and manhole invert elevations for the truck washing drain line.
  - 2) Will any future flows go into the 4-inch section of the truck washing drain line?
  - 3) Supply pipe bedding-backfill construction standards including a compaction specification.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Welex, A Halliburton Company, Industrial Waste Treatment Facility,  
Section 22, T19N, R105W, Sweetwater County, Wyoming

ARCHITECT OR ENGINEER: W. P. Renner, P.E. - Halliburton Services  
Attention: Mike Armor, Drawer 1431,  
Duncan, Oklahoma 73533

WATER QUALITY DIVISION REFERENCE NUMBER: 77-92R

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

*William L. Garland*

DATE OF REVIEW: April 19, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS: 1) The drain line must have an adequate slope to provide at least a 2 ft/sec velocity. The slopes as presently shown will not provide this velocity.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-92RR

Welex, A Halliburton Company  
(Name of Facility)

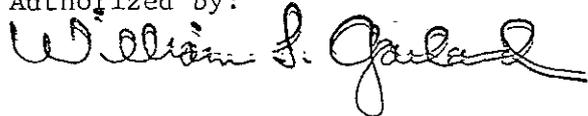
This permit hereby authorizes the applicant:

<u>Kendall</u>	<u>Howard</u>	<u>L.</u>
(Last)	(First)	(Middle)
<u>Suite 475, Colorado State Bank Building</u>		
(Street or P.O. Box)		
<u>Denver</u>		<u>Colorado 80202</u>
(City)	(County)	(State)

to construct, install, or modify a Industrial Waste Treatment  
facility located in Section 22, T19N, R105W  
(Legal Description)

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

Authorized by:



\_\_\_\_\_  
Director  
Wyoming Dept. of Environmental Quality

May 10, 1977

Date of Issuance

cc: Halliburton Services, Attention: Mike Armor, Drawer 1431, Duncan, Oklahoma 73533

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-93

Jacobs Ranch Mine Crusher Plant Washdown Settling Pond  
(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 Sediment Settling Pond  
facility located in Section 11, T43N, R70W  
(Legal Description)

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

Authorized by:

*William S. Gault*

Supervisor - Water Quality Div.  
Director

Wyoming Dept. of Environmental Quality

March 28, 1977

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: North Hills Addition, Lingle, Wyoming

ARCHITECT OR ENGINEER: Donald Horton, P.O. Box 147, Torrington, Wyoming 82240

WATER QUALITY DIVISION REFERENCE NUMBER: 77-94

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

DATE OF REVIEW: March 22, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. Sewer profiles for the project shall be submitted. Manholes are to be placed at all changes in line or grade, and at separations of no more than 400 feet.
  2. Specifications shall be submitted for the following:
    - a) pipe material.
    - b) bedding and backfill techniques.
    - c) Infiltration limits and test methods.
    - d) protection of water mains.
  3. Manhole details shall be submitted.
  4. Service tap details shall be submitted.
  5. Is a water system to be installed along with sewer? If so, complete plans and specifications for the water system shall be submitted also.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-94R

North Hills Addition

(Name of Facility)

This permit hereby authorizes the applicant:

Town of Lingle

(Last)	(First)	(Middle)
Attention: Harry Bremer		
P.O. Box 448		

(Street or P.O. Box)

Lingle	Goshen	Wyoming	82223
(City)	(County)	(State)	

to construct, install, or modify a Sewage Collection Extension

facility located in Section 12, T25N, R62W  
(Legal Description)

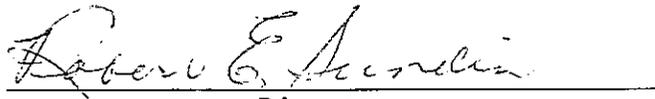
in the County of Goshen, in the State of

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:

  
 Administrator  
 Water Quality Division

  
 Director  
 Wyoming Dept. of Environmental Quality

May 23, 1977

Date of Issuance

cc: K & H Engineering, 2510 West C, Torrington, WY 82240

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Water and Wastewater Facilities Improvements, Town of Guernsey,  
Platte County

ARCHITECT OR ENGINEER: Nelson, Haley, Patterson and Quirk, 2021 Clubhouse  
Drive, Greeley, Colorado 80631

WATER QUALITY DIVISION REFERENCE NUMBER: 77-95

*William L. Garland*

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

DATE OF REVIEW: April 6, 1977

Supervisor - Water Quality Div.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS:
1. Calculations on the flow velocity in the upper portions of the trunk sewer will be required. A flow velocity of 2 feet per second seems unlikely.
  2. The sewage lift station shall be equipped with second power supply. Furthermore, Ten State Standards require that each pump in a dual lift station be capable of handling peak flows. Calculations to satisfy this requirement will be necessary.
  3. The second treatment lagoon is too deep. This lagoon will have suspended solids carryover from the aerated lagoon, and if more than 5 feet deep, septicity and strong odor problems will result.
  4. Please address the abandonment of the existing lagoon. Although it does not meet secondary treatment standards, it seems logical to incorporate it into any expanded system for long-term storage, intermittent discharge, additional treatment, etc.
  5. Water Quality Division personnel are presently determining the requirements of a discharge permit for the new facility. It does not appear that a chlorinator will be required, but this is not certain. NHPQ will be informed as soon as a final determination is made on this.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-95R

Town of Guernsey Water & Wastewater Improvements  
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Town of Guernsey</u>		
(Last)	(First)	(Middle)
<u>P.O. Box 323</u>		
(Street or P.O. Box)		
<u>Guernsey</u>	<u>Platte</u>	<u>Wyoming 82214</u>
(City)	(County)	(State)

to construct, install, or modify a Water Distribution and Sewage Collection & Treatment facility located in Sec. 35, T27N, and Sec. 2, T26N, R66W (Legal Description)

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

Robert E. Anderson  
Director  
Wyoming Dept. of Environmental Quality

May 23, 1977

Date of Issuance

cc: Nelson, Haley, Patterson and Quirk, 2021 Clubhouse Drive, Greeley, CO 80631  
Attention: Bob Boekenkamp

REVIEW OF PLANS AND SPECIFICATIONS

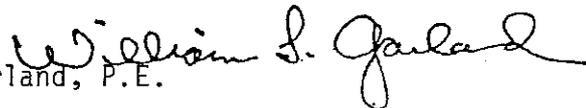
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Kimberly Estates, Lander, Wyoming, Fremont County

ARCHITECT OR ENGINEER: Stan Smalley, P.E., CEC Homes, Inc., P.O. Box 1727,  
Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 77-96

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



DATE OF REVIEW: April 7, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

- COMMENTS:
- 1) Please fill out and submit 2 copies of "Application for Permit to Construct, Install....."
  - 2) A letter is needed from the City of Lander indicating that they can supply adequate water pressure and that they can provide adequate sewage treatment for this subdivision.
  - 3) We do not have a copy of the "Lander Standard Sewer and Water Specifications" in this office. These standards must be reviewed for compliance with our minimum design standards.

DWH/jo

Enclosures - 2 "Applications for Permit to Construct, Install....."

REVIEW OF PLANS AND SPECIFICATIONS

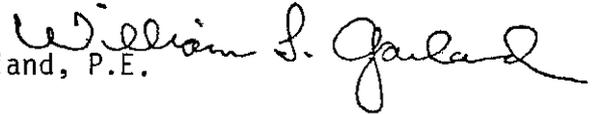
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: Kimberly Estates, Lander, Wyoming, Fremont County

ARCHITECT OR ENGINEER: Stan Smalley, P.E., CEC Homes, Inc., P.O. Box 1727,  
Riverton, Wyoming 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 77-96R

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



DATE OF REVIEW: May 13, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS: The typical Lander Water and Sewer Specifications are not detailed enough in many respects. The following details are needed:

WATER SYSTEM

- 1) Thrust blocking details are needed.
- 2) Pressure and leakage testing details are needed.
- 3) Disinfection procedures are needed. The completed water lines must be disinfected in accordance with AWWA C601-68.

SEWER SYSTEM

- 4) Infiltration or exfiltration shall not exceed 200 gallons per inch of pipe diameter per mile per day. This shall be inserted on the plans or specifications.
- 5) A lapping specification between manholes is needed.
- 6) Leakage tests shall be specified. Either water or low pressure air testing can be used.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-96RR

Kimberly Estates Subdivision  
(Name of Facility)

This permit hereby authorizes the applicant:

CEC Homes, Inc.  
(Last) (First) (Middle)  
c/o Stanley P. Smalley  
P.O. Box 1727  
(Street or P.O. Box)  
Riverton Fremont Wyoming 82501  
(City) (County) (State)

to construct, install, or modify a Water Distribution and Wastewater Collection  
facility located in Section 7, T3N, R99W  
(Legal Description)

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

Authorized by:

William J. Janda  
Administrator  
Water Quality Division

Robert E. Sundin  
Director  
Wyoming Dept. of Environmental Quality

June 23, 1977

Date of Issuance

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-97

Evansville Water Line Relocation

(Name of Facility)

This permit hereby authorizes the applicant:

Town of Evansville

(Last) (First) (Middle)  
c/o Worthington, Lenhart, and Carpenter, Inc.  
632 South David

(Street or P.O. Box)

Casper Natrona Wyoming 82601

(City) (County) (State)

to construct, install, or modify a Water Line  
facility located in the Town of Evansville  
(Legal Description)

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

Authorized by:

*William S. Garland*

Supervisor - Water Quality Div.  
Director

Wyoming Dept. of Environmental Quality

April 5, 1977

Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

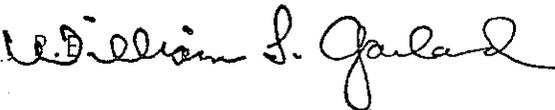
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
State Office Building  
Cheyenne, Wyoming 82002

PROJECT: City of Buffalo, Chlorinator Building

ARCHITECT OR ENGINEER: Mr. R. D. Connell, P.E., R. G. Stuckert and  
Associates, P.O. Box 901, Buffalo, Wyoming 82834

WATER QUALITY DIVISION REFERENCE NUMBER: 77-98, Ref. 77-62R

REVIEWING ENGINEER: Terry R. Book, William L. Garland



DATE OF REVIEW: March 23, 1977

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

Supervisor - Water Quality Div.

- COMMENTS:
1. The resubmittal does not show sufficient detail for the mechanical and electrical systems as well as the architectural layout to evaluate compliance with Section 5 of Ten State Standards.
  2. Disposal of sanitary wastes was not addressed as requested and full details must be provided.
  3. Two copies of all plans and specifications are required which bear the seal or signature of the designing engineer, who is a registered engineer in the State of Wyoming.

TRB/jo

cc: Mayor Sam Rosenthal, City of Buffalo, P.O. Box 430, Buffalo,  
WY 82834

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: City of Buffalo, Chlorination Building

ARCHITECT OR ENGINEER: R. D. Connell, P.E. - R. G. Stuckert & Associates,  
P.O. Box 901, Buffalo, WY 82834

WATER QUALITY DIVISION REFERENCE NUMBER: 77-98R

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

DATE OF REVIEW: 6-5-77

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. SEE COMMENTS.

- COMMENTS: 1. Our reviews dated March 1, 1977 and March 23, 1977 asked for details of the sanitary waste disposal, i.e. existing and proposed. If the septic tank is new how is it constructed and what is it made of? What is the depth to groundwater in the area of the leach field? What is the percolation rate in the area of the leach field? What are the design flows?
2. Per the cities request by a letter dated May 26, 1977, we will not review the backwash settling basin. A permit to construct for the proposed pond will be required.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 77-98R

City of Buffalo - Chorination Building  
(Name of Facility)

This permit hereby authorizes the applicant:

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

to construct, install, or modify a Water Treatment Facility  
facility located in Section 6, 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.

THIS PERMIT DOES NOT INCLUDE THE SEPTIC OR BACKWASH SYSTEM.

Authorized by:

William P. Gale  
Administrator  
Water Quality Division

Robert E. Linder  
Director  
Wyoming Dept. of Environmental Quality

August 9, 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. 77-99R

Glenrock Sewage Collection & Treatment Plant Improvements  
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Glenrock  
(Last) (First) (Middle)  
c/o Sage Engineers, Inc.  
809 5th Street  
(Street or P.O. Box)  
Greeley Colorado 80631  
(City) (County) (State)

to construct, install, or modify a Sewage Collection  
facility located in town of Glenrock  
(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.

NOTE: UPSTREAM BAFFLE ON AREATION GRIDS WILL EXTEND FROM SURFACE TO 3 FEET  
ABOVE BOTTOM SURFACE OF THE LAGOON.

Authorized by:

William J. [Signature]  
Administrator  
Water Quality Division

[Signature]  
Director  
Wyoming Dept. of Environmental Quality

August 10, 1977  
Date of Issuance

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 77-100

AAA Builders Supply  
(Name of Facility)

This permit hereby authorizes the applicant:

Triangle Plumbing and Heating

(Last) (First) (Middle)  
c/o Engineering Associates  
P.O. Box 1539

(Street or P.O. Box)

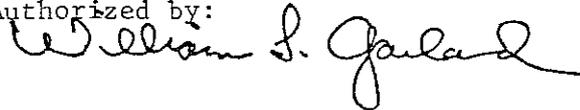
Cody Wyoming 82414  
(City) (County) (State)

to construct, install, or modify a Commercial Waste Treatment  
facility located in Lot 3 & 4 Y-Tex Subdivision, Tract 40, 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.

NOTE: TIE LEACH FIELD PERFORATED PIPE TOGETHER.

Authorized by:



Supervisor - Water Quality Div.  
Director

Wyoming Dept. of Environmental Quality

March 30, 1977

Date of Issuance