

PERMIT TO CONSTRUCT

mailed
11/1/78

- New
- Renewal
- Modified

Permit No. 78-602

Mountain States Builders

(Name of Facility)

This permit hereby authorizes the applicant:

Mountain States Builders

(Last)

(First)

(Middle)

30 Foster Road

(Street or P.O. Box)

Casper

Natrona

Wyoming 82601

(City)

(County)

(State)

to construct, install, or modify a Electro-Osmosis Disposal System

facility located in Section 27, T33N, R80W

(Legal Description)

in the County of Natrona, in the State of

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

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

Authorized by:

William J. Galand
Administrator
Water Quality Division

Robert E. Sardin
Director
Wyoming Dept. of Environmental Quality

October 30, 1978

Date of Issuance

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

PERMIT TO CONSTRUCT

mailed
11/8/78

- New
- Renewal
- Modified

Permit No. 78-603

Prairie Hills Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Johnson</u>	<u>Duane</u>	
(Last)	(First)	(Middle)
<u>907 West Walnut</u>		
(Street or P.O. Box)		
<u>Rawlins</u>	<u>Carbon</u>	<u>Wyoming 82301</u>
(City)	(County)	(State)

to construct, install, or modify a Water Distribution & Sewage Collection
facility located in Section 19, T22N, R81W
(Legal Description)

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

Authorized by:

William L. Clark
Administrator
Water Quality Division

Director
Wyoming Dept. of Environmental Quality

October 18, 1978
Date of Issuance

Mailed
11/8/78

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-604

WELEX
(Name of Facility)

This permit hereby authorizes the applicant:

Kendall Howard L.
 (Last) (First) (Middle)

1600 Broadway, Suite 1650
 (Street or P.O. Box)

Denver CO
 (City) (County) (State)

to construct, install, or modify a Industrial Evaporative Pond
 facility located in Section 9, T33N, R78W
 (Legal Description)

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

Authorized by:

William L. Pauland
 Administrator
 Water Quality Division

 Director
 Wyoming Dept. of Environmental Quality

October 20, 1978

Date of Issuance

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

PERMIT TO CONSTRUCT

To Lander
11/15/78

- New
- Renewal
- Modified

Permit No. 78-605R

WHITE MOUNTAIN COUNTRY ESTATES

(Name of Facility)

This permit hereby authorizes the applicant:

BLUE EAGLE DEVELOPMENT

(Last) (First) (Middle)

150 S 6TH E SUITE 7C

(Street or P.O. Box)

SALT LAKE CITY UTAH 84102

(City) (State) (Zip Code)

to construct, install, or modify a WATER AND SEWER

facility located in SEC33 T19N R105W
(Legal Description)

in the County of SWEETWATER, in the State of Wyoming.

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

Authorized by:
William L. Garland
Administrator
Water Quality Division

Robert E. Sardin
Director
Department of Environmental
Quality

NOVEMBER 8, 1978.
Date of Issuance

C.C. BUSH & GUDGELL
BOX 1144, ROCK SPRINGS, WYO. 82901

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING 82520

PROJECT: WHITE MOUNTAIN COUNTRY ESTATES

ARCHITECT OR ENGINEER: BUSH & GUDGELL, INC.
OWNER: BOX 1144
ROCK SPRINGS, WYOMING 82901
WATER QUALITY DIVISION REFERENCE NUMBER: 78-605

REVIEWING ENGINEER: DOUG CRAIG *DC*

DATE OF REVIEW: OCTOBER 17, 1978

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Provide a completed application for a permit to construct in triplicate.
2. Provide a letter from the White Mountain Wastewater Plant (P.P.L.), indicating their acceptance of the additional flow.

mailed

11/13/78

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Wyoming Society for Crippled Children & Adults, Inc.
Package Sewage Treatment Plant

ARCHITECT OR ENGINEER: ATTN: William R. Huey, Executive Director

WATER QUALITY DIVISION REFERENCE NUMBER: 78-607

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

DATE OF REVIEW: 10/24/78

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

This is a commercial, multi-unit sewage treatment facility. Wyoming Water Quality Rules & Regulations, Chapter III, require that the plans and specifications for such a permit application must carry the signature of a Professional Engineer, registered to practice in the State of Wyoming. The plans will not be reviewed nor a permit issued, until this conditions is complied with.

mailed
1/22/79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-608R

Exxon Minerals Co., Highland Uranium Operation
(Name of Facility)

This permit hereby authorizes the applicant:

Exxon Minerals Company
 (Last) (First) (Middle)

Box 3020
 (Street or P.O. Box)

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

to construct, install, or modify a Small Waste Facility (Commercial)
 facility located in Section 28, T36N, R72W
 (Legal Description)

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

Authorized by:

William L. Galand
 Administrator
 Water Quality Division

Robert E. Sardin
 Director
 Wyoming Dept. of Environmental Quality

January 8, 1979
 Date of Issuance

mailed

10/30/78

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: ~~Exxon Minerals Co., Highland Uranium Operation, Small Wastewater Facility, P. O. Box 3029, Natrona County~~

ARCHITECT OR ENGINEER: None indicated

WATER QUALITY DIVISION REFERENCE NUMBER: ~~78-608~~

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

DATE OF REVIEW: 10/16/78

ACTION: ~~NOT AUTHORIZED FOR CONSTRUCTION~~

COMMENTS:

1. The plans do not bear the seal or signature of the designing engineer.
2. Specify the number of persons (and the activity of each group) who will be served by the system.
3. The well shall be at least 100 feet from the drainfield. Note: This distance is not shown on the plans.
4. The disposal field lines shall have a minimum slope of 4 inches per 100 feet and a maximum slope of 6 inches per 100 feet.
5. Submit the calculations used in determining the size of the required disposal field.
Note: 1. The percolation rate of 30 minutes per inch will dispose of 0.9 gallons of sewage per square foot. 2. Since no showers are to be provided the per capita generation of sewage is 20 gallons per shift; with showers it would be 35 gallons per shift.
6. The minimum size of the disposal field gravel shall be 1/2 inch.
7. To afford better distribution to each length of drainfield the 40 foot distribution header which receives the sewage from the septic tank and delivers it to the drainfield lines should be solid pipe.

This is not a final review.

Book
M-6-29-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-609R

Town of Hartville - Water Well #7 Kelly's Park
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Hartville
 (Last) (First) (Middle)
 Attn: R. Munford, Mayor
 P.O. Box A
 (Street or P.O. Box)

Hartville, Platte, WY 82215
 (City) (County) (State)

to construct, install, or modify a municipal source development
 facility located in Sec. 27, T27N, R66W
 (Legal Description)

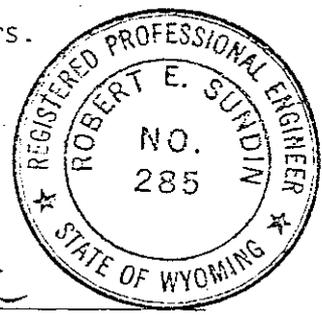
in the County of Platte, in the State of
 Wyoming. This permit shall be effective for a period of two (2) years
 from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
 Administrator
 Water Quality Division



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



June 27, 1979
 Date of Issuance

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

PERMIT TO CONSTRUCT

mailed
11/8/78

- New
- Renewal
- Modified

Permit No. 78-610

Sullivan Mobile Home Ct.
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Sullivan</u>	<u>Martin</u>	<u>L.</u>
(Last)	(First)	(Middle)
<u>1754 Custer</u>		
(Street or P.O. Box)		
<u>Casper</u>	<u>Natrona</u>	<u>Wyoming 82601</u>
(City)	(County)	(State)

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

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

Authorized by:

William F. Galand
Administrator
Water Quality Division

Director
Wyoming Dept. of Environmental Quality

October 25, 1978

Date of Issuance

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

mailed
1/15/79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-611R

Arch Mineral Septic (Mine 2)
(Name of Facility)

This permit hereby authorizes the applicant:

Arch Mineral Corporation

 (Last) (First) (Middle)

Box 530

 (Street or P.O. Box)

Hanna Carbon Wyoming 82331

 (City) (County) (State)

to construct, install, or modify a Septic System
 facility located in Section 9, T22N, R81W

 (Legal Description)

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

Authorized by:

William L. Galand
 Administrator
 Water Quality Division

Robert E. Aurdin
 Director
 Wyoming Dept. of Environmental Quality

December 15, 1978

Date of Issuance

mailed
10/30/78

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Arch Mineral Corp., Seminole Mine No. 2, Small Wastewater Facility,
P. O. Box 499, Carbon County

ARCHITECT OR ENGINEER: Robert R. Pixler, Box 1641, Saratoga, WY 82331

WATER QUALITY DIVISION REFERENCE NUMBER: 78-611

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

DATE OF REVIEW: 10/16/78

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The inlet and outlet pipes to the septic tank shall be schedule 40 PVC.
2. The drawing of the "Proposed Leaching Field" (80' x 130') does not correspond to the "Leach Field" (80' x 50') as set forth under "Disposal" on the "Small Wastewater Treatment Facility Check List".
3. Single disposal Field lines shall not exceed 100 feet. The recommended length is 60 feet.
4. Provide a cleanout in the building sewer at every change in alignment or grade in excess of 22½ degrees.
5. Is the existing 4 PVC Line & Leach Field in good working order? i.e. is the Existing Septic Tank properly baffled and sized to prevent the passage of sewage solids into the drainfield?
6. The minimum size of the disposal field gravel shall be ½ inch.

This is not a final review.

mailed
11/28/78

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-612

City View Heights Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Cheesbrough</u>	<u>Mick</u>	
(Last)	(First)	(Middle)
<u>1780 Westland Road</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 Water Distribution & Sewage Collection
facility located in Section 18, T14N, R66W
(Legal Description)

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

Authorized by:

William L. Jala
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

November 22, 1978
Date of Issuance

PERMIT TO CONSTRUCT

mailed
11/28/78

- New
- Renewal
- Modified

Permit No. 78-613R

Bodenhammer Mound System
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Bodenhammer</u>	<u>James</u>	
(Last)	(First)	(Middle)
<u>1105 West 22nd</u>		
(Street or P.O. Box)		
<u>Casper</u>	<u>Natrona</u>	<u>Wyoming 82601</u>
(City)	(County)	(State)

to construct, install, or modify a Small Wastewater Facility
facility located in Section 33, T33N, R80W
(Legal Description)

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

Authorized by:

William L. Quinn
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

November 21, 1978

Date of Issuance

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

REVIEW OF PLANS AND SPECIFICATIONS

Mailed
11/2/78

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

PROJECT: James Bodenhammer Residence, Small Waste Facility, (Mound System),
1105 W. 22nd, Casper, WY 82601

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

WATER QUALITY DIVISION REFERENCE NUMBER: 78-613

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

DATE OF REVIEW: 10/18/78

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Determine the seasonal high groundwater level and the average percolation rate.
2. If the average percolation rate is greater than 60 minutes per inch or the seasonal high groundwater level is less than 4 feet below ground surface, an elevated disposal field as proposed cannot be authorized.
3. If use of an elevated disposal field is permissible it shall be constructed to comply with the provisions of Section 3.5 Construction of Elevated Disposal Fields, Appendix B Minimum Design Standards for Small Wastewater Facilities of Chapter III of Wyoming Water Quality Rules & Regulations.
4. Show location of water lines.
5. The pump chamber shall be constructed to comply with the following requirements:
 - a. The pump shall be removable for maintenance or repair from above without entering the pump chamber.
 - b. The electrical receptacle shall be re-located above ground level.
 - c. The electrical system and components (pump, pump on-off controls, high level alarm switch, etc) shall be explosion proof complying with the National Electrical Code requirements.
 - d. All other electrical wiring & components shall comply with the NEC, latest edition.

cc: Casper-Natrona County Health Department

mailed
3/6/79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-614R

Quadco Septic System
(Name of Facility)

This permit hereby authorizes the applicant:

Coleman Custom Service
(Last) (First) (Middle)

345 Oregon Trail
(Street or P.O. Box)

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

to construct, install, or modify a Commercial Subsurface Disposal
facility located in Section 28, T34N, R80W
(Legal Description)

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

AUTHORIZED BY:

William L. Janda
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

November 21, 1978
Date of Issuance

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

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

REVIEW OF PLANS AND SPECIFICATIONS

modified
11/2/78

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

PROJECT: Quadco Septic System

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

WATER QUALITY DIVISION REFERENCE NUMBER: 78-614

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

DATE OF REVIEW: 10/18/78

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Show location of water lines.
2. The shop sump should be designed to trap oil as well as to retain solids. The outlet baffle or tee shall extend above the sump liquid level a distance equal to at least 50% of the sump liquid depth, and shall extend below the sump liquid level a distance equal to at least 70% of the sump liquid depth.
3. What is the seasonal high groundwater level?
4. Submit a description of the industrial material which is specified as an alternate to straw to form a protective membrane over the gravel in the disposal bed. It shall not provide a vapor barrier.

This is not a final review.

cc: Casper-Natrona County Health Department

REVIEW OF PLANS AND SPECIFICATIONS

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

mailed
3/2/79

Replaced
by 80-352

PROJECT: Bar Nunn Sewer Services, Expansion of Sewage Treatment Facility,
Casper, WY 82601 - Natrona County

ARCHITECT OR ENGINEER: Western Engineers, 501 N. Sun Dr., Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 78-616R

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

DATE OF REVIEW: 2/8/79

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. At least 100 days of wastewater storage capacity will be required since both the proposed systems of treatment ("slow rate" and "overland flow") are subject to cold weather restrictions. (See Table 6-7 and Fig. 6-2 of the design manual).
2. All wastes to be spray irrigated shall be disinfected by the application of chlorine. A minimum contact period of 15 minutes at maximum rate of pumpage shall be provided. NOTE: To avoid detrimental effect of the chlorine on the biological action chlorination may be accomplished beyond the last aeration pond.
3. It is recommended that at least one additional distribution pad be provided in the overland flow area.
4. Provide duplicate pumps for the irrigation pump station.
5. Provide pump station ventilation of at least 30 air changes per hour. Such ventilation shall be accomplished by introduction of fresh air into the wet well by mechanical means. The equipment shall be interconnected with the pit lighting system.
6. Provide convenient facilities at the pump station for handling screenings.
7. All pump station wet well electrical systems and components shall be explosion proof complying with the National Electrical Code requirements for Class I, Division 1 locations.
8. A fused disconnect switch located above ground should be provided at the pump station.

9. If the pumping station equipment is exposed to the weather, it shall meet the requirements of weatherproof equipment (NEMA 3R).
10. Submit specifications and profile plans covering the proposed 6 inch force main from Pond No. 1 to Pond No. 2. The normal pumping capacity of the lift station at Pond No. 1 should be stated.

This is not a final review.

REVIEW OF PLANS AND SPECIFICATIONS

mailed
10/30/78

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

PROJECT: Bar Nunn Sewer Services, Expansion of Sewage Treatment Facility,
Casper, WY 82601

ARCHITECT OR ENGINEER: Western Engineers, 501 N. Sun Drive, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 78-616

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

DATE OF REVIEW: 10/23/78

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The proposed spray field appears to be too small and lacking the necessary storage to retain the wastewater during freezing weather when spray field irrigation may be curtailed.
2. Submit additional information as set forth in addendum No. 2 - Ground Disposal of Wastewater - in the Ten State Standards latest edition. This shall include, but not necessarily be limited to, the following:
 - a. Topographic maps of the spray field and surrounding area.
 - b. All wells in the area which might be affected.
 - c. Soil permeabilities with allowable spray application rates.
 - d. Proposed buffer zones between the spray field & populated area.
 - e. Proposed storage facilities and alternate spray fields.
 - f. Application rates designed to prevent runoff.
3. Provide at least 3 feet of freeboard between the liquid surface the the top of the dikes at Cell #2.
4. In lieu of adequate forced air ventilation as required by the aforementioned standards the drum screen, irrigation well pump, and any other equipment at the "deep well pump for Cell #2 shall be capable of being maintained without entering the wet well.

mailed
11/14/78

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 78-617

Flying X Ranch Project
(Name of Facility)

This permit hereby authorizes the applicant:

Flying X Ranch
(Last) (First) (Middle)

Bosler Route S.W.
(Street or P.O. Box)

Wheatland Albany Wyoming 82201
(City) (County) (State)

to construct, install, or modify a Water Distribution & Sewage Collection
facility located in Section 21, T22, R71
(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:

William L. Jala
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

November 6, 1978
Date of Issuance

mailed
12/26/78

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-618R

Ray Walker 4-Plex

(Name of Facility)

This permit hereby authorizes the applicant:

<u>Walker</u>	<u>Ray</u>	
(Last)	(First)	(Middle)
<u>94 Jonquil</u>		
(Street or P.O. Box)		
<u>Casper</u>	<u>Natrona</u>	<u>Wyoming 82601</u>
(City)	(County)	(State)

to construct, install, or modify a Waste Disposal System

facility located in Section 33, T34N, R80W
(Legal Description)

in the County of Natrona, in the State of

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

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

Authorized by:

William P. Paulson
 Administrator
 Water Quality Division

Robert E. Sunden
 Director
 Wyoming Dept. of Environmental Quality

December 1, 1978

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

REVIEW OF PLANS AND SPECIFICATIONS

mailed
10/31/78

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

PROJECT: ~~4-Plax, Ray Walker, Small Wastewater Facility, Casper, WY~~

ARCHITECT OR ENGINEER: Ed Rate, Jr., P. O. Box 930, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: ~~78-618~~

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

DATE OF REVIEW: 10/17/78

ACTION: ~~NOT AUTHORIZED FOR CONSTRUCTION~~

COMMENTS:

1. The employment of a raw sewage lift station is not recommended for a small wastewater facility because of the relatively large initial investment, the additional maintenance required and the greater explosion and "dangerous to breathe" gas problems it presents.
2. It is recommended that, rather than pump raw sewage, a lift pump located beyond the septic tank be employed to lift the tank effluent into the drainfield. (See figure 9, and page 11 of the enclosure which describes how a lift pump is employed in connection with a Nodak Sewage System.
3. If the raw sewage lift station is employed the following requirements will apply:
 - a. Provide an accessible bar rack or basket ahead of the pumps with openings not greater than 2½ inches.
 - b. Provide access to the check valves for maintenance purposes.
 - c. Provide adequate fresh air ventilation -30 air changes per hour intermittent, or 6 air changes per hour continuous.
 - d. All electrical equipment shall meet the National Electrical Code of requirements for Class I, Division 1 locations.
 - e. The pumps shall be capable of handling spheres of at least 3 inches in diameter.
4. The scale on sheet 1 (plot plan) should be corrected. This is not a final review.

Enclosures (?)

PERMIT TO CONSTRUCT

TO Lander

11/15/78

New

Renewal

Permit No. 78-619 R

Modified

ASPEN HIGHLANDS

(Name of Facility)

This permit hereby authorizes the applicant:

TOWN OF JACKSON

(Last)

(First)

(Middle)

BOX 1687

(Street or P.O. Box)

JACKSON

WYOMING

83001

(City)

(State)

(Zip Code)

to construct, install, or modify a WATER DISTRIBUTION

facility located in SEC33 T41N R.116W

(Legal-Description)

in the County of TETON, in the State of Wyoming.

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

Authorized by:

William L. Galand
Administrator
Water Quality Division

Robert E. Sandin
Director
Department of Environmental
Quality

NOVEMBER 8, 1978

Date of Issuance

NELSON ENGINEERING
P.O. BOX 141
JACKSON, WYO. 83001

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING 82520

PROJECT: ASPEN HIGHLANDS LOCATION: SEC33/T41N/R116W TETON COUNTY
TOWN OF JACKSON
P.O. BOX 1687
JACKSON, WYO. 83001

ARCHITECT OR ENGINEER: NELSON ENGINEERING
OWNER: P.O. BOX 141
JACKSON, WYO. 83001
WATER QUALITY DIVISION REFERENCE NUMBER: 78-619

REVIEWING ENGINEER: DOUG CRAIG *DC.*

DATE OF REVIEW: OCTOBER 19, 1978

ACTION: NOT AUTHORIZED

COMMENTS:

1. The check valves must be placed in vaults.
2. Relocate the gate valve on the other side of the tee at STA. 1 and 95.
3. Before we will allow a 6" fire hydrant on a 4" Line, a complete hydraulic analysis is required.
4. Describe the disposal of line disinfection water.

PERMIT TO CONSTRUCT

Maileed
11/8/78

- New
- Renewal
- Modified

Permit No. 78-620R
 Ref. 78-105R

Northland Village Mobile Home Park - Campbell Co.
 (Name of Facility)

This permit hereby authorizes the applicant:

Ellingston, Cliff
 (Last) (First) (Middle)

605 Miller Ave.
 (Street or P.O. Box)

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

to construct, install, or modify a sewage treatment plant
 facility located in Sec. 14, T.50N, R.72W
 (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. Galand
 Administrator
 Water Quality Division

Robert E. Aurdin
 Director
 Wyoming Dept. of Environmental Quality

November 3, 1978
 Date of Issuance

REVIEW OF PLANS AND SPECIFICATIONS

*mailed
10/20/78*

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

PROJECT: Northland Village Mobile Home Park - Wastewater Treatment Plant -
Campbell County

ARCHITECT OR ENGINEER: Francis-Meador-Gellhaus, Inc. ATTN: Vinal Francis
1823 W. Main, Rapid City, S.D. 57701

WATER QUALITY DIVISION REFERENCE NUMBER: 78-620 Ref. No. 78-105R

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

DATE OF REVIEW: 10/17/78

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Haulaway of unstabilized sludge from sludge holding tank is not acceptable by our Division. Sludge digesting facilities such as an aerobic digester is needed. Please provide complete design data, including volume, solids loading rate detention time, oxygen & mixing requirements, etc. Also show such provisions as sludge feedline, sludge drawoff line, a flexible multi-level supernatant drawoff line, aeration equipment, etc.
2. Where will the scum be disposed to? Please show the piping.
3. Drawing of chlorinator housing should include all the accessories & equipment such as scale, chlorine cylinder with chain, vent hose, ejector water supply, etc. The building should also be provided with an inspection window and a leak detecting chemical (i.e., ammonium hydroxide).
4. Engineering specifications still call for 2 h.p. sludge return pumps, whereas the drawings call for an air lift pump. Please clarify.
5. Is an access such as plugged tee provided at the top of the air lift pump for riser rodding to unclog the riser?
6. It is not clear where the chlorine diffuser terminates. Submit chlorine diffuser details. Where is the outlet of the submersible pump in the chlorine contact tank?
7. Details of the bar screen has not been provided.
8. The use of the water taken from the bottom of the chlorine contact tank by the submersible pump for wash down water and chlorine injector water supply are not adequate, because of the presence of settled sludge, frequently caused by improper operation.

8.continued

The supernatant may be used for chlorine injector water, however, the potable water supply with a backflow preventer appears to be needed to supply water for wash down, cleaning equipment, etc.

9. How will the contact chamber be cleaned? Is a provision for draining the contact tank provided?
10. Detail drawing of flow measuring device is needed. Where is it installed?
11. Is cast iron pipe to be used for yard pipe the same pipe that is described in the water line specifications? What is the material of the outfall line?

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

*mailed to
L. 1-3-79*

New

Renewal

Permit No. 78-621

Modified

K & M ADDITION TO THE TOWN OF PINEDALE

(Name of Facility)

This permit hereby authorizes the applicant:

SKYLINE DEVELOPERS

(Last)

(First)

(Middle)

1235 MCKINLEY AVE

(Street or P.O. Box)

ROCK SPRINGS,

WYO.

82901

(City)

(State)

(Zip Code)

to construct, install, or modify a WATER & WASTEWATER DISTRIBUTION
facility located in SEC 33 T34N R108W
(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. Gallo
Administrator
Water Quality Division

Robert E. Lundin
Director
Department of Environmental
Quality

DECEMBER 18, 1978.

Date of Issuance

MR. BOB HARROWER
P.O. BOX 67
PINEDALE, WYO. 82941

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING 82520

PROJECT: K & M ADDITION TO THE TOWN OF PINEDALE,
Skyline Developers,
1235 McKinley Ave.,
ROCK SPRINGS, WYO. 82901

ARCHITECT OR ENGINEER:

RIO VERDE ENGINEERING

~~OWNER:~~

P.O. BOX 67, PINEDALE, WYO. 82941

WATER QUALITY DIVISION REFERENCE NUMBER:

78-621

REVIEWING ENGINEER:

DOUG CRAIG *DC*

DATE OF REVIEW:

OCTOBER 20, 1978

ACTION:

NOT AUTHORIZED TO CONSTRUCT

COMMENTS:

1. BLOWOFF AT THE TERMINAL END OF WATER LINE B-C.
2. THREE MORE GATE VALVES REQUIRED ALONG ASHLEY AVENUE FOR ISOLATION.
3. PROVIDE A LETTER FROM THE CITY INDICATING THE ACCEPTANCE OF ADDITIONAL WATER AND SEWER CONNECTIONS.
4. PROVIDE P.E. SIGNATURE ON PLANS AND RE-SUBMIT IN TRIPLICATE.

PERMIT TO CONSTRUCT

mailed
11/14/78

- New
- Renewal
- Modified

Permit No. 78-622

Pratt Addition No. 5

(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities

(Last) (First) (Middle)

200 North David

(Street or P.O. Box)

Casper Natrona Wyoming 82601

(City) (County) (State)

to construct, install or modify a Water Distribution System

facility located in City of Casper
(Legal Description)

in the County of Natrona, in the State of

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

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

Authorized by:

William J. Gale
Administrator

Robert E. Sundin
Director

Water Quality Division

Wyoming Dept. of Environmental Quality

Permit does not include South Beverly, Thorndike & Lexington Avenue.

October 19, 1978

Date of Issuance

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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 78-624

NORTHWEST PIPELINE SANITARY FACILITY

(Name of Facility)

This permit hereby authorizes the applicant:

NORTHWEST PIPELINE

(Last)

(First)

(Middle)

BOX 609

(Street or P.O. Box)

BIG PINEY

(City)

WYO.

(State)

83113

(Zip Code)

to construct, install, or modify a LEACH FIELD

facility located in TRACT 41 T28N R113W

(Legal Description)

in the County of SUBLETTE, in the State of Wyoming.

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

Authorized by:

William L. Janda
Administrator
Water Quality Division

Robert E. Sundin
Director
Department of Environmental
Quality

NOVEMBER 24, 1978

Date of Issuance

PERMIT TO CONSTRUCT

To Lender
11/10/78

- New
- Renewal
- Modified

78-625
 Permit No. REF: 77-104R

SETTLING POND & EVAPORATION POND

(Name of Facility)

This permit hereby authorizes the applicant:

BLACK BUTTE COAL COMPANY

(Last) (First) (Middle)

P.O. BOX 98

(Street or P.O. Box)

POINT OF ROCKS WYO. 82942

(City) (State) (Zip Code)

to construct, install, or modify a SETTLING PONDS AND EVAPORATION POND
 facility located in SEC 28 and 32, T19N R100W and SEC. 4 & 5, T18N R100W
 (Legal-Description)

in the County of SWEETWATER, in the State of Wyoming.

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

Authorized by:

William L. Jala
 Administrator
 Water Quality Division

Robert E. Sundin
 Director
 Department of Environmental
 Quality

NOVEMBER 8, 1978.

Date of Issuance

ATTN: D.J. ENGBRETSON
 CHIEF ENGINEER



3-10
7-18-79

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

July 18, 1979

Radix
Suite 205
Casper Professional Center
350 West A
Casper, WY 82601

ATTN: Larry L. Redding, President

Dear Mr. Redding:

This letter is drafted in response to your letter dated July 13, 1979, requesting to connect the remaining 65 lots to the Rivers West Sewage Treatment Plant.

Permit #77-295RRR authorizes the construction of the water and sewer systems for Phase III. Permit #78-626 authorizes the addition of the Verto Sewage Treatment Plants to Rivers West Sewage Treatment Plant. The two Verto Plants have a rated capacity (according to the manufacturer) of 50 homes per plant.

Theoretically the plants should be able to handle the additional loading. However, three sewage treatment plants operating separately require considerable more operation and maintenance requirements. Due to the public water supplies immediately downstream, this Division will keep a close surveillance on the plants operations to ensure that effluent limitations are met.

By this letter, the Department of Environmental Quality authorizes the addition of the sixty-five (65) remaining lots in Phase III of Rivers West to the sewage collection system.

Yours truly,

Jake Strohmman
Jake Strohmman
Water Quality Division
Engineering Control Supervisor

William L. Garland

William L. Garland, Administrator
Water Quality Division

Robert E. Sundin

Robert E. Sundin, Director
Department of Environmental Quality

PERMIT TO CONSTRUCT

mailed
11/8/78

- New
- Renewal
- Modified

Permit No. 78-626

Radix Sewage Treatment Plant
(Name of Facility)

This permit hereby authorizes the applicant:

Radix, Incorporated
 (Last) (First) (Middle)

Suite 230, Western Resources Bldg.
 (Street or P.O. Box)

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

to construct, install, or modify an experimental Verto Package Plant
 facility located in Section 22, T33N, R80W
 (Legal Description)

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

Authorized by:

William S. [Signature]
 Administrator
 Water Quality Division

 Director
 Wyoming Dept. of Environmental Quality

October 20, 1978

This permit ^{Date of Issuance} does not supercede the requirements for obtaining a Septic Tank
 Permit from Natrona County Health Department.

PERMIT TO CONSTRUCT

T O Londer
11/15/78

New

Renewal

Modified

Permit No. 78-627

ASPENS WATER SYSTEM

(Name of Facility)

This permit hereby authorizes the applicant:

JACKSON HOLE RACQUET CLUB

(Last)

(First)

(Middle)

BOX 362A, STAR ROUTE

(Street or P.O. Box)

JACKSON

WYOMING

83001

(City)

(State)

(Zip Code)

to construct, install, or modify a WATER SUPPLY IMPROVEMENT

facility located in SEC.11 T41N R117W

(Legal-Description)

in the County of TETON, in the State of Wyoming.

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

Authorized by:

William S. Gauld
Administrator
Water Quality Division

Robert E. Sordin
Director
Department of Environmental
Quality

NOVEMBER 1, 1978

Date of Issuance

C.C. TUDOR ENGINEERING
450 S. FEDERAL BLVD.
RIVERTON, WYOMING 82501

mailed
3/6/79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-628

Blakemore Enterprises

(Name of Facility)

This permit hereby authorizes the applicant:

Commercial Bldg. System

(Last) (First) (Middle)

1971 E. Yellowstone

(Street or P.O. Box)

Casper

Natrona

Wyoming 82601

(City)

(County)

(State)

to construct, install, or modify a Commercial Subsurface Disposal

facility located in Section 5, T33N, R78W
(Legal Description)

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

AUTHORIZED BY:

William L. Pala
Administrator
Water Quality Division

Robert E. Sardin
Director
Wyoming Dept. of Environmental Quality

November 27, 1978
Date of Issuance

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

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

RHP mailed 3/14/79

PERMIT TO CONSTRUCT

New

Permit No. 78-629RR

Renewal

Modified

Hanna Water Distribution System

(Name of Facility)

This permit hereby authorizes the applicant:

Town of Hanna - Carbon County Impact Jt. Powers Board

(Last)

(First)

(Middle)

P. O. Box 841

(Street or P.O. Box)

Hanna

Carbon

Wyoming 82327

(City)

(County)

(State)

to construct, install, or modify a Water Distribution System

facility located in Section 25 & 36, T22N, R82W & Section 17, 19, & 30, T22N, R81
(Legal Description)

in the County of Carbon, in the State of

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

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

AUTHORIZED BY:

William L. Opala
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

January 23, 1979

Date of Issuance

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

mailed
1/9/79

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Hanna Water Distribution System Improvements, Town of Hanna,
Carbon County

ARCHITECT OR ENGINEER: Richard Reusser, Robert Jack Smith & Assoc.,
P. O. Box 1104, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 78-629R

REVIEWING ENGINEER: *Robert H. Pinther* Robert H. Pinther, P.E., M.S.; *J* Jake Strohmman, P.E.

DATE OF REVIEW: 1/9/79

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

This review covers Addenda No.s 1 and 2 as they relate to our review of Reference No. 78-629 of 11/29/78. Also, reference is made to our telephone conversation of 1/9/79 with Mr. Richard Reusser. Will be able to issue a Permit to Construct for this project upon receipt of change order covering compliance with the following comments:

1. Eliminate the weep hole in the outlet pipe of the air-vacuum release valve.
2. Specify that boulders larger than 8 inches in diameter are prohibited in filling the balance of the trenches extending from one foot above the water main to the ground surface.

We will appreciate receiving 3 additional copies of the plans and specifications, and the change orders for this project.

mailed
12/12/78

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Hanna Water Distribution System Improvements, Town of Hanna, Carbon County

ARCHITECT OR ENGINEER: Richard Reusser, Robert Jack Smith & Assoc., Inc.
Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 78-629

REVIEWING ENGINEER: ^{RHP} Robert H. Pinther, P.E., M.S., Jake Strohmman, P.E.

DATE OF REVIEW: 11/29/78

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The open end of each air relief pipe from the "Combination Air Release Valves" shall be screened and shall terminate at least one foot above grade.
2. The pressure reducing valve pits as well as other valve pits and chambers shall be drained to the surface of the ground where they are not subject to flooding by surface water, or to absorption pits underground.
3. The trench excavation and backfilling specification shall incorporate the provisions of AWWA Standard C600. Rock excavation shall extend at least 6 inches below the bottom of the pipe. Boulders larger than 8 inches in diameter are prohibited in filling the balance of the trench extending from a point one foot above the pipe to the ground surface.
4. The valve pits should be protected against flooding by sloping the ground away from the pits in all directions.
5. The following should be included in the "Carrier Pipe Installation Detail":
 1. At least 4 skids (at 90° intervals) to properly support the water main and prevent its movement in any direction.
 2. Use "flaxsoap" or drilling mud as a lubricant on the inside of the casing and/or the skids rather than grease as the latter will have a detrimental effect on rubber rings used to seal the joints.NOTE: See enclosed Section VIII "Installation of Pipe through Casings".
6. Specify a bell hole at each water main joint to permit the joint to be made properly.
7. Specify at least a 10 foot separation measured edge to edge between water and sewer mains.

Enclosure: 1



Department of Environmental Quality

Water Quality Division

30 EAST GRINNELL

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6488

February 15, 1979

Mr. Ed Jankowski, Jr.
Peter Kiewit Sons' Company
and Whitney Benefit, Inc.
1000 Kiewit Plaza
Omaha, NE 68131

RE: Whitney Mine Permits for Lagoon, Runoff Settling Ponds,
Anti-pollution Ponds, Evaporation Ponds.
Permits Nos. 78-630RR, 78-631RR, 78-632RR, 78-633RR,
78-634RR, 78-635RR, 78-636RR, 78-637RR, and 78-638RR

Dear Mr. Jankowski:

Please enclosed find the permits to construct the wastewater treatment facilities for Whitney Mine in Sheridan County, Wyoming.

It should be noted, however, that since these permits are effective for a period of two (2) years from the date of issuance of the permits it is required to renew the permits to construct every two years for the facilities that have not been started construction within the given permit period.

If you have any further questions in this matter, please feel free to let us know.

Sincerely yours,

A handwritten signature in cursive script that reads "Dan H. Kim".

Dan H. Kim
Environmental Engineer

DHK/lis

Enclosures

mailed to
5-2-779

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-630RR

WHITNEY MINE (PETER KIEWIT SONS' CO.)
(Name of Facility)

This permit hereby authorizes the applicant:

Peter Kiewit Sons' Co. & Whitney Benefit, Inc.
 (Last) (First) (Middle)
 Attention: Ed Jankowski, Jr.
1000 Kiewit Plaza
 (Street or P.O. Box)
Omaha Nebraska 68131
 (City) (County) (State)

to construct, install, or modify a sanitary sewage treatment (lagoon)
 facility located in Section 6, T.57N., R.83W.
 (Legal Description)

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

AUTHORIZED BY:

William J. Oala
 Administrator
 Water Quality Division

Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality

February 2, 1979
 Date of Issuance

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

PERMIT TO CONSTRUCT

mailed to
5.2-7-79

- New
- Renewal
- Modified

Permit No. 78-631RR

WHITNEY MINE (PETER KIEWIT SONS' CO.)
(Name of Facility)

This permit hereby authorizes the applicant:

Peter Kiewit Sons' Co. & Whitney Benefit, Inc.
(Last) (First) (Middle)

Attention: Ed Jankowski, Jr.

1000 Kiewit Plaza
(Street or P.O. Box)

Omaha Nebraska 68131
(City) (County) (State)

to construct, install, or modify a Settling Pond No. 1
facility located in Section 31, T.58N., R.83W.
(Legal Description)

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

AUTHORIZED BY:

William J. Jala
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

February 2, 1979
Date of Issuance

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

mailed to
8.2-7-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-632RR

WHITNEY MINE (PETER KIEWIT SONS' CO.)
(Name of Facility)

This permit hereby authorizes the applicant:

Peter Kiewit Sons' Co. & Whitney Benefit, Inc.
 (Last) (First) (Middle)

Attention: Ed Jankowski, Jr.
1000 Kiewit Plaza
 (Street or P.O. Box)

Omaha Nebraska 68131
 (City) (County) (State)

to construct, install, or modify a Evaporation Pond No. 2
 facility located in Section 31, T.58N., R.83W.
 (Legal Description)

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

AUTHORIZED BY:

William J. Janda
 Administrator
 Water Quality Division

Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality

February 2, 1979
 Date of Issuance

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

Mailed to
5. 2-7-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-633RR

WHITNEY MINE (PETER KIEWIT SONS' CO.)
(Name of Facility)

This permit hereby authorizes the applicant:

Peter Kiewit Sons' Co. & Whitney Benefit, Inc.
(Last) (First) (Middle)

Attention: Ed Jankowski, Jr.

1000 Kiewit Plaza
(Street or P.O. Box)

Omaha Nebraska 68131
(City) (County) (State)

to construct, install, or modify a Settling Pond No. 3
facility located in Section 31, T.58N., R.83W.
(Legal Description)

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

AUTHORIZED BY:

William L. Jones
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

February 2, 1979
Date of Issuance

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

mailed to
5. 2-7-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-634RR

WHITNEY MINE (PETER KIEWIT SONS' CO.)
(Name of Facility)

This permit hereby authorizes the applicant:

Peter Kiewit Sons' Co. & Whitney Benefit, Inc.
 (Last) (First) (Middle)
 Attention: Ed Jankowski, Jr.
1000 Kiewit Plaza
 (Street or P.O. Box)
Omaha Nebraska 68131
 (City) (County) (State)

to construct, install, or modify a Settling Pond No. 4
 facility located in Section 31, T.58N., R.83W.
 (Legal Description)

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

AUTHORIZED BY:

William J. Galand
 Administrator
 Water Quality Division

Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality

February 2, 1979
 Date of Issuance

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

Mailed to
5-2-7-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-635RR

WHITNEY MINE (PETER KIEWIT SONS' CO.)
(Name of Facility)

This permit hereby authorizes the applicant:

Peter Kiewit Sons' Co. & Whitney Benefit, Inc.
(Last) (First) (Middle)

Attention: Ed Jankowski, Jr.

1000 Kiewit Plaza
(Street or P.O. Box)

Omaha Nebraska 68131
(City) (County) (State)

to construct, install, or modify a Settling Pond No. 5
facility located in Section 6, T.57N., R.83W.
(Legal Description)

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

AUTHORIZED BY:

William L. Gable
Administrator
Water Quality Division

Robert E. Sardin
Director
Wyoming Dept. of Environmental Quality

February 2, 1979
Date of Issuance

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

mailed to
5.2-7-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-636RR

WHITNEY MINE (PETER KIEWIT SONS' CO.)
(Name of Facility)

This permit hereby authorizes the applicant:

Peter Kiewit Sons' Co. & Whitney Benefit, Inc.
 (Last) (First) (Middle)
 Attention: Ed Jankowski, Jr.
1000 Kiewit Plaza
 (Street or P.O. Box)
Omaha Nebraska 68131
 (City) (County) (State)

to construct, install, or modify a Anti-Pollution Reservoir No. 1
 facility located in Section 6, T.57N., R.83W.
 (Legal Description)

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

AUTHORIZED BY:

William L. Janda
 Administrator
 Water Quality Division

Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality

February 2, 1979
 Date of Issuance

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

Mailed to
5.2-7-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-637RR

WHITNEY MINE (PETER KIEWIT SONS' CO.)
 (Name of Facility)

This permit hereby authorizes the applicant:

Peter Kiewit Sons' Co. & Whitney Benefit, Inc.
 (Last) (First) (Middle)
 Attention: Ed Jankowski, Jr.
1000 Kiewit Plaza
 (Street or P.O. Box)
 Omaha Nebraska 68131
 (City) (County) (State)

to construct, install, or modify a Anti-Pollution Reservoir No. 2
 facility located in Section 6, T.57N., R.83W.
 (Legal Description)

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

AUTHORIZED BY:

William J. Galand
 Administrator
 Water Quality Division

Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality

February 2, 1979
 Date of Issuance

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

mailed to
5.2-7-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-638RR

WHITNEY MENE (PETER KIEWIT SONS' CO.)
(Name of Facility)

This permit hereby authorizes the applicant:

Peter Kiewit Sons' Co. & Whitney Benefit, Inc.
 (Last) (First) (Middle)
 Attention: Ed Jankowski, Jr.
1000 Kiewit Plaza
 (Street or P.O. Box)
Omaha Nebraska 68131
 (City) (County) (State)

to construct, install, or modify a Anti-Pollution Reservoir No. 3
 facility located in Section 6, T.57N., R.83W.
 (Legal Description)

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

AUTHORIZED BY:

William L. Gale
 Administrator
 Water Quality Division

Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality

February 2, 1979
 Date of Issuance

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

REVIEW OF PLANS AND SPECIFICATIONS

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

Mailed

11/9/78

PROJECT: Whitney Mine (Peter Kiewit Son's Co.) - Lagoon, Settling Ponds,
Evaporation Ponds, Anti-Pollution Ponds - Sheridan County

ARCHITECT OR ENGINEER: Ed L. Jankowski, Jr., 1000 Kiewit Plaza, Omaha, NE 68131

WATER QUALITY DIVISION REFERENCE NUMBER: 78-630, 631, 632, 633, 634, 635, 636, 637-&
638

REVIEWING ENGINEER: Dan H. Kim, ^{DK} Jake Strohm, PE

DATE OF REVIEW: 11/8/78

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Sewage Lagoon -

1. Average per capita BOD load of 0,12 lbs/day seems to be quite lower than the normally accepted loading rate of 0,17 lbs/day. Please justify.
2. Design calculations for the sewage lagoon use the sewage rate of 750 gallons/acre/day, whereas the specifications call for the seepage rate to be less than 500 gallons/acre/day. Please clarify.
3. Will the sewage lagoon embankments be seeded and riprapped as well as the reservoir dikes?
4. The invert of the MH SS-3 must be at least 6 inches above the maximum water level of the pond in order to prevent surcharging of the manhole.

Settling Ponds.-

1. NPDES Permit WY-0027812 has been issued by DEQ permit section for the discharging point of Settling Pond No. 1.

However, the application for discharge permit for Settling Pond No. 3 has not been filed. We cannot issue the "Permit to Construct" until the application for discharge permit for Settling Pond No. 3 is received by this office

2. Since the continuous effluent measurement is required by NPDES permit, a flow measuring device must be installed at the discharging point.
3. Chemical analysis of wastewater that will be contained in the Settling Ponds No. 1 & No. 3 are needed.

General -

1. Soil profiles must be provided, including percolation rates and groundwater depth in the reservoir area. It is difficult to identify the highest groundwater levels in the reservoir area with respect to the pond bottom, using the provided piezometric surface map,
2. Please discuss how to draw off supernatant within 10 to 15 days after a storm in the runoff settling ponds.
3. Provide design calculations of the wave action utilized to establish freeboard of pond.
4. Have you obtained a permit for ditch diversion from the Wyoming State Engineer's office?

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

*mailed
to
London
11/84/78*

- New
 Renewal
 Modified

Permit No. 78-639

DESERT SPRINGS COMPRESSOR STATION
(Name of Facility)

This permit hereby authorizes the applicant:

COLORADO INTERSTATE GAS
(Last) (First) (Middle)

P.O. BOX 1087
(Street or P.O. Box)

COLORADO SPRINGS COLO. 80944
(City) (State) (Zip Code)

to construct, install, or modify a SEPTIC TANK- LEACH FIELD
facility located in SEC. 9 T19N R98W
(Legal Description)

in the County of SWEETWATER, in the State of Wyoming.

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

Authorized by:

William L. Galand
Administrator
Water Quality Division

Robert E. Surdin
Director
Department of Environmental
Quality

OCTOBER 26, 1978

Date of Issuance

NELSON ENGINEERING
P.O. BOX 1141
JACKSON, WYO. 83001
ATTN: ROBERT L. FARNSWORTH, P.E.

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 78-640R

PORTER SUBDIVISION

(Name of Facility)

This permit hereby authorizes the applicant:

PORTER KILBURN

(Last)

(First)

(Middle)

618 19TH ST.

(Street or P.O. Box)

EVANSTON,

UINTA

WYO.

82930

(City)

(State)

(Zip Code)

to construct, install, or modify a WATER AND WASTEWATER DISTRIBUTION

facility located in SEC20

T15N

R120W

(Legal Description)

in the County of UINTA, in the State of Wyoming.

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

Authorized by:

William L. Garland
Administrator
Water Quality Division

Robert E. Lurdin
Director
Department of Environmental
Quality

NOVEMBER 24, 1978.

Date of Issuance

DE

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: PORTER SUBDIVISION

ENGINEER: UINTA ENGINEERING
P.O. BOX 746
EVANSTON, WYO. 82930

OWNER: MR. KILBURN PORTER
618 19TH ST.
EVANSTON, WYO. 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 78-640

REVIEWING ENGINEER: DOUG CRAIG *DE*

DATE OF REVIEW: OCTOBER 27, 1978

ACTION: NOT AUTHORIZED.

COMMENTS:

1. No 6" line allowed.
2. Blowoffs at the end of all water line terminations.
3. Provide complete details on booster pump system.
 - a) Pump sizes (all)
 - b) System pressures
 - c) Pressure tank design
 - d) Check valves are improperly located
 - e) Description of process operation.
4. Location map.
5. Where is pump system located?
6. Letter from city indicating water and sewer additions are acceptable.

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 78-641

WEST VIEW VILLAGE ADDITION

WEST VIEW VILLAGE ADDITION
(Name of Facility)

This permit hereby authorizes the applicant:

LOTT MACK
(Last) (First) (Middle)

1948 W. UINTA
(Street or P.O. Box)

EVANSTON WYO. 82930
(City) (State) (Zip Code)

to construct, install, or modify a WASTEWATER COLLECTION
facility located in SEC. 20 T15N R120W
(Legal Description)

in the County of UINTA, in the State of Wyoming.

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

Authorized by:

William L. Janda
Administrator
Water Quality Division

Robert E. Sordin
Director
Department of Environmental
Quality

NOVEMBER 24, 1978.
Date of Issuance

UINTA ENGINEERING
P.O. BOX 746
EVANSTON, WYO. 82930

DEQ

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: WEST VIEW VILLAGE ADDITION (MACK LOTT 1948 W. UINTA,
EVANSTON, WYO. 82930)

ENGINEER: UINTA ENGINEERING
P.O. BOX 746
EVANSTON, WYOMING 82930

OWNER:

WATER QUALITY DIVISION REFERENCE NUMBER: 78-641

REVIEWING ENGINEER: DOUG CRAIG *D.C.*

DATE OF REVIEW: OCTOBER 27, 1978

ACTION: NOT AUTHORIZED. NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Provide a location map.
2. Sewer lines of 8" diameter are required.
3. Design "C" factor is high.
4. Ventilation of wet well?
5. Provide more data of water system hydraulics, i.e., pressures under normal and fireflow conditions.
6. A letter from the city indicating additional water and sewer capacity is available.

DEQ

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING 82520

PROJECT: FORT BRIDGER WATER DISTRIBUTION SYSTEM
SEC. 33 T16N R115W
UINTA COUNTY

ARCHITECT OR ENGINEER: DALE E. PETERSON, P.E. - ROCKY MOUNTAIN ENGINEERING & SURVEYING
OWNER: JEFFERY S. CARLTON FOR BRIDGER VALLEY JOINT POWERS BOARD
P.O. BOX 805
EVANSTON, WYO. 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 78-642

REVIEWING ENGINEER: DAVID W. HILL ^{DWH}

DATE OF REVIEW: NOVEMBER 6, 1978

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Please specify the standard dimension ratio and pressure class of the PVC pipe.
2. Pressure testing must be performed in accordance to AWWA (600 or UNI-B-3-78-A. These require a pressure test 150% of working pressure at the point of test.
3. The auxillary gate valve for fire hydrants must be six inches. You indicate four inches in the spec.s and six inches in the typical drawings.
4. A blow-off of fire hydrant is needed at the west end of the line on the I-80 business loop (Pg. 9 of 10).
5. Water main - sewer main, sewer service line - cross over details are needed.
6. No water compaction should be used without constraints (i.e. - used only on granular material).
7. The initial backfill to at least 12 inches above the pipe should be free of lumps and rocks larger than one inch in diameter and compacted. The spec.s indicate 6 inches.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-643

TESORO OIL CONTROL DAM
(Name of Facility)

This permit hereby authorizes the applicant:

Tesoro Petroleum Corporation

(Last) (First) (Middle)

c/o Plains Engineering
P.O. Box 727

(Street or P.O. Box)

Newcastle, WY 82701

(City) (County) (State)

to construct, install, or modify a oil seep containment dam

facility located in Section 29, T.45N., R.61W.

(Legal Description)

in the County of Weston, in the State of

Wyoming. This permit shall be effective for a period of one (1) year

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

- NOTES: 1) This facility is not considered by this Department to be a permanent solution to oil seepage problems in Cambria Creek.
2) This facility should be reviewed and/or permitted by the State Engineer's Office.

Authorized by:

William L. Garland
Administrator
Water Quality Division

Robert E. Sardin
Director
Wyoming Dept. of Environmental Quality

November 30, 1978

Date of Issuance

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 78-645

Gerber Trailer Court Addition
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Gerber</u> (Last)	<u>Victor</u> (First)	<u>J.</u> (Middle)
<u>c/o Plains Engineering</u> <u>P.O. Box 727</u> (Street or P.O. Box)		
<u>Newcastle,</u> (City)	<u></u> (County)	<u>Wyoming 82701</u> (State)

to construct, install, or modify a water distribution and sewage collection
facility located in Section 35, T.48N., R.65W.
(Legal Description)

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

Authorized by:

William S. Garland
Administrator
Water Quality Division

Robert E. Sunden
Director
Wyoming Dept. of Environmental Quality

December 6, 1978

Date of Issuance

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

mailed to
L. 1/3/79

New

Renewal

Permit No. 78-646R

Modified

PANHANDLE EASTERN SANITARY FACILITIES

(Name of Facility)

This permit hereby authorizes the applicant:

PANHANDLE EASTERN PIPE LINE COMPANY

(Last) (First) (Middle)

BOX 127

(Street or P.O. Box)

BRIGHTON

COLORADO

(City) (State) (Zip Code)

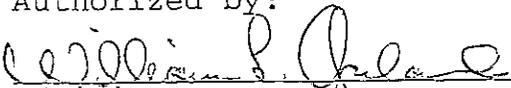
to construct, install, or modify a SEPTIC TANK-LEACH FIELD

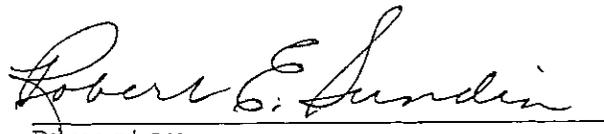
facility located in SEC. 7 T19N R96W
(Legal Description)

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:


Administrator
Water Quality Division


Director
Department of Environmental
Quality

DECEMBER 18, 1978

Date of Issuance

c.c. NELSON ENGINEERING
P.O. BOX 365
GREEN RIVER, WYO. 82935

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT:

PANHANDLE-EASTERN PIPELINE CO.

ENGINEER:

NELSON ENGINEERING
P.O. BOX 365
GREEN RIVER, WYO. 82935

OWNER:

PANHANDLE-EASTERN PIPELINE CO.
BOX 127
BRIGHTON, COLO.

WATER QUALITY DIVISION REFERENCE NUMBER: 78-646

REVIEWING ENGINEER: DOUG CRAIG *DC*

DATE OF REVIEW: OCTOBER 27, 1978

ACTION: NOT AUTHORIZED

COMMENTS:

1. The leach field must be looped with no dead ends.
2. The leach field area is insufficient.
3. Describe shop use to justify flow estimation.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 78-647

Wensky Warehouse
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Holland</u>	<u>Jordan</u>	
(Last)	(First)	(Middle)
<u>4009 McCue</u>	<u>(Street or P.O. Box)</u>	
<u>Cheyenne</u>	<u>Laramie</u>	<u>WY</u>
(City)	(County)	(State)

to construct, install, or modify a small waste facility
facility located in Central Addition, all of Block 3 lying east of C & S
(Legal Description)
in the County of Laramie, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

Authorized by:

William S. Gabel
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality

October 17, 1978

Date of Issuance

PERMIT TO CONSTRUCT

10 Lander

11/15/78

New

Renewal

Modified

Permit No. 78-648

HAL TAYLOR MOTEL

(Name of Facility)

This permit hereby authorizes the applicant:

TAYLOR - HAL
(Last) (First) (Middle)

U.S. HIGHWAY 89
(Street or P.O. Box)

ALPINE WYO. 83128
(City) (State) (Zip Code)

to construct, install, or modify a SEPTIC TANK-LEACH FIELD
facility located in SEC 29 T37N R118W
(Legal-Description)

in the County of LINCOLN, in the State of Wyoming.

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

Authorized by:

William L. Garland
Administrator
Water Quality Division

Robert E. Sardin
Director
Department of Environmental
Quality

NOVEMBER 8, 1978.

Date of Issuance

c.c. Ivan Call, P.O. Box 387
Afton, Wyo. 83110

REQ

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING 82520

PROJECT: GOFF CREEK LODGE

ARCHITECT OR ENGINEER: ROGER JACOBSON
ENG. ASSOCIATES
OWNER: P.O. BOX 1539, CODY, WYO. 82414
WATER QUALITY DIVISION REFERENCE NUMBER: 78-649

REVIEWING ENGINEER: RICK ENGELMANN *RE*

DATE OF REVIEW: NOVEMBER 2, 1978

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. I disagree with your estimate of 700 gpd. 1000 gpd, which takes into account the kitchen and laundry in the lodge, is more realistic. Therefore, there is not enough drain field area.

With reference to our phone conversation of 2nd November, if a letter is sent stating that an extra leg will be put on the side hill drain field, we will authorize construction.

c.c. PAUL SCHMITT
P.O. BOX 167
CODY, WYO. 82414

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 78-650R

F & B INC. (MOUNTAIN VIEW ESTATES NO. 3)

(Name of Facility)

This permit hereby authorizes the applicant:

F & B INC.

(Last)

(First)

(Middle)

P.O. BOX 725

(Street or P.O. Box)

EVANSTON

(City)

WYO.

(State)

82930

(Zip Code)

to construct, install, or modify a WATER DISTRIBUTION SYSTEM

facility located in SEC.36, T16N R115W

(Legal Description)

in the County of UINTA, in the State of Wyoming.

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

Authorized by:

William S. Paulson

Administrator
Water Quality Division

Robert E. Surdin

Director
Department of Environmental
Quality

DECEMBER 4, 1978

Date of Issuance

ROCKY MOUNTAIN ENGINEERING & SURVEYING INC.

P.O. BOX 805

EVANSTON, WYO. 82930

DEP

4

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: MOUNTAIN VIEW ESTATES NO. 3
SEC. 36, T16N R115W TUINTA COUNTY

ENGINEER: DALE E. PETERSON, P.E. ROCKY MOUNTAIN ENGINEERING & SURVEYING
P.O. BOX 805
EVANSTON, WYO. 82930

OWNER: F & B INC.
P.O. BOX 725
EVANSTON, WYO. 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 78-650

REVIEWING ENGINEER: DAVID W. HILL

DATE OF REVIEW: NOVEMBER 6, 1978.

ACTION: NOT AUTHORIZED.

COMMENTS:

1. Please specify the Standard Dimension Ratio and pressure class of the PVC pipe.
2. The specifications for trenching and backfilling were not included.
3. Pressure testing must be performed in accordance to AWWA C600 or UNI-B-3-78-A. These require a pressure test 150% of working pressure at point of test.
4. The auxillary gate valve for fire hydrants must be six inches. You indicate four inches in the spec.s and six inches in the typical drawings.
5. All blowoffs must have a permanent extension which ends in a downward turning elbow at least 12 inches above ground.
6. The use of weepholes in blowoffs is not allowed due to potential back siphonage problems. A blowoff hydrant or a system using two valves (one curb stop followed by a stop and waste valve), will minimize the chance of back siphonage.