

PERMIT TO CONSTRUCT

New

Permit No. 79-601RR

Renewal

Modified

GILLETTE-MADISON WATER PROJECT

(Name of Facility)

This permit hereby authorizes the applicant:

City of Gillette

c/o James M. Montgomery, Consulting Engineers

(Last)

(First)

(Middle)

1301 Vista Avenue

(Street or P.O. Box)

Boise, Idaho 83705

(City)

(County)

(State)

to construct, install, or modify a transmission main

facility located in (Legal description attached)

(Legal Description)

in the County of Campbell, in the State of

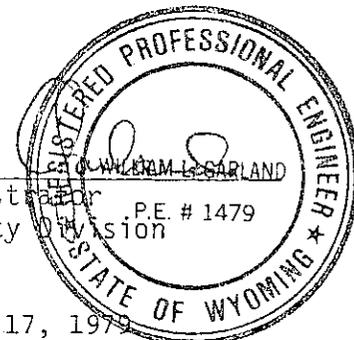
Wyoming. This permit shall be effective for a period of two (2) years,

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

AUTHORIZED BY:

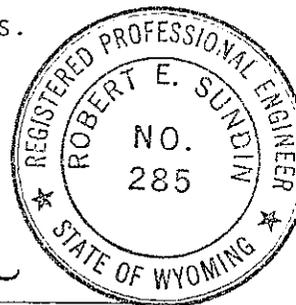
William J. Garland

Administrator
Water Quality Division P.E. # 1479



Robert E. Sundin

Director
Wyoming Dept. of Environmental Quality



December 17, 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."

79-601R
 Gillette-Madison Water Project
 LEGAL DESCRIPTION:

<u>SECTION</u>	<u>TOWNSHIP</u>	<u>RANGE</u>	<u>COUNTY</u>	<u>SECTION</u>	<u>TOWNSHIP</u>	<u>RANGE</u>	<u>COUNTY</u>		
23	50N	72W	Campbell	4	50N	67W	Crook		
25	↓	↓	↓	5	↓	↓	↓		
26				7					
27				8					
28				31					
33				1				51N	
34				2					
35				11					
25				14				71W	
26				22					
27				23					
28				27					
29				33					
30				34					
25				6				70W	66W
26									
27									
28									
29									
30									
36									
25								69W	
26									
27									
28									
29									
30									
31									
12								68W	Crook
13									
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35									
36									

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
30 East Grinnell
Sheridan, Wyoming 82801



PROJECT: Transmission Main
Gillette-Madison Water Project

ARCHITECT OR ENGINEER: James M. Montgomery, Consulting Engineers, Inc.
1301 Vista Avenue
Boise, Idaho 83705 Attn: Vance G. Lee

WATER QUALITY DIVISION REFERENCE NUMBER: 79-601

REVIEWING ENGINEER: Tom Mueller

DATE OF REVIEW: October 12, 1979

ACTION: Preliminary Plans Only. No response to this Review is necessary until such time as final plans and specifications are prepared.

COMMENTS:

Specifications

1. The specifications are in general very thorough and well prepared.
2. Page 207-6 should apparently be renumbered and relocated between pages 207-14 and 207-15.
3. Section 201.02(d)(1): Trench preparation specifications should include mention of the need for "bell holes" at joints.
4. Section 201.02(d)(1): Flat, unprepared trench bottoms are not generally acceptable for PVC pipe.
5. Section 201.02(d)(2): Is it anticipated that overexcavation and backfill will be required on this project? If so, select granular material should be defined.
6. Section 201.03(c)(1): Initial backfill should be placed in layers, of such thickness that reasonably uniform compaction is obtained. Particular attention should be paid to obtaining adequate compaction under the pipe haunches. Compaction by use of excess water and a concrete vibrator will not be allowed.
7. Section 207.01(b): It is anticipated that final drawings will show required locations for all restrained joints.
8. Section 209.03(e): Ten (10) mg/l of residual chlorine in water will probably produce considerable comment by public users. It is recognized that this level does not produce any hazard, and that wasting the amount of water necessary to disinfect the pipeline is undesirable. Therefore, no requirement in this matter will be made by this Division. It should be carefully considered, however.

9. A specification for riprap will be necessary.

Drawings

1. It is anticipated that minimum design pressures will be indicated on the final drawings.
2. The reduction from 30-inch to 10-inch pipe for the pipeline to Moorcroft should be shown, either on Sheet 32 or Sheet 47.
3. On Sheet 45, the Plan drawing shows a 20-inch valved outlet/inlet to the Pine Ridge Reservoir site, while the Profile shows 24-inch.
4. At the Dry Donkey Creek crossing, shown on Sheet 19, neither the pipe nor its encasement is to be above the natural stream channel bottom.
5. At various creek crossings, there is provided either concrete encasement, steel casing, riprap, a combination of the above, or no extra protection at all. What criteria were used to determine appropriate protection?

It is assumed that the drawings on Sheet 50 refer to the vaults shown on Sheets 15 and 47. But additional information on the tap arrangement on Sheet 23 (1½ inch to Rozet) is needed.

7. Additional Blowoff Valves appear to be necessary at the following locations:
 - Sheet 7, in. elev. 4507.68
 - Sheet 26, in. elev. 4227.64
 - ~~Sheet 47, in. elev. 4151.60~~
 - Sheet 47, in. elev. 4140.86
 - Sheet 47, Donkey Creek Crossing
 - Sheet 25, (plan view only) in. elev. 4230.15
8. Additional Air Vacuum/Air Release Valves appear to be necessary at the following locations:
 - Sheet 47, in. elev. 4152.44
 - Sheet 15, (plan view only) in. elev. 4401.76

Transmission Main

Bllette-Madison Water Project
reference Number 79-601

9. The following are noted with respect to the valve vault installations shown on the indicated sheets:
- Sheets 23 and 47: the positions of the Blowoff and AV/AR valves are apparently reversed.
 - Sheet 32: the legends for the Blowoff and AV/AR valves are reversed.
 - Sheets 18, 29, and 42: since the valve vaults are positioned at high points on the pipeline, there would appear to be no need for any blowoff valves, but possibly for two AV/AR valves at each location.
 - Sheets 36 and 39: since the valve vaults are positioned at low points on the pipeline, there would appear to be no need for any AV/AR valves, but possibly for two blowoff valves at each location.

General

1. Before a Permit to Construct will be issued, the drawings (cover sheet at the minimum) must carry the signature of a Professional Engineer, registered to practice in Wyoming.
2. When submitting final plans and specifications, please submit two copies; a completed Application for Permit to Construct (copy enclosed) should also be submitted.
3. It is not known whether a Section 404 Permit will be required by the U.S. Army Corps of Engineers for any of the stream crossings on this project. It is suggested that the Omaha District Office of that Agency be contacted if there is any question in this regard.

Cheyenne

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

September 14, 1981

Mr. David Mills
Utah Power & Light Company
P.O. Box 899
Salt Lake City, UT 84110



Re: U.P. & L. Naughton Power Plant
Sewage Treatment Facility, DEQ #79-602

Dear Mr. Mills:

The monitoring data submitted in reply to my October 6, 1980 request indicates the package sewage treatment plant is operating satisfactorily. The routine O & M program, that has been initiated, should help insure that the plant will continue to operate at maximum efficiency.

On the basis of my May 19, 1981 inspection and the monitoring data submitted to this office, all concerns expressed in my October 6, 1980 letter have been addressed. There is no need to submit future self-monitoring data to this office.

Yours truly,

A handwritten signature in cursive script that reads "Francis LaBarge".

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:nb

xc: Cheyenne DEQ/WQD

Marion Yoder, Assistant Attorney General
Kent Laird, Naughton S.E. Plant, Kemmerer
File (2)



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

October 6, 1980

Mr. David Mills
Water Quality Specialist
Utah Power and Light Company
P.O. Box 899
Salt Lake City, Utah 84110

Re: UP&L Naughton Power Plant Sewage
Treatment Facility, DEQ #79-602R

Dear Mr. Mills:

I have reviewed your September 30, 1980 response to David Hill's October 2, 1979 review of your sewage treatment facility. The answers and plans you provided are satisfactory to this office. Since the facility has been in operation nearly a year, a "Permit to Construct" cannot be issued. The plans, as submitted, do appear to meet minimum state standards.

I would like to make the following comments:

1. Chlorination will not be required at the sewage treatment facility because of the extremely high dilution ratio of sanitary waste to other waste streams of approximately 110:1. I suggest that the chlorine cylinder be removed at once. Since there is no leak detection system on the cabinet, it is a potentially dangerous situation.
2. When I visited the facility on October 1, 1980, it was completely overgrown with brush and weeds. These should be removed and kept in control in the future.
3. I am including a handout on the Settling Test Method for Control of Activated Sludge. This will provide a guideline for operation of the plant and when to waste sludge.
4. The facility should be put on a routine daily inspection schedule. This should include a check to make sure everything is operating properly and has not "kicked off" as well as performing routine maintenance and upkeep as required.

5. I am requesting that the following parameters be monitored and submitted to this office for the next six months, starting with November 1980, to confirm that the plant is operating up to standards.

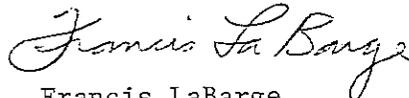
Sampling Points	D.O.	BOD ₅	S.S.	pH	Settleable Solids 30 min	Fecal Coliform
Influent		C	C	C		
Mixed Liquor	G		G	G	G	
Effluent	G	C	C	C		
Effluent from Ash Pond #3						G

C = 24 hour composite sample
G = grab sample

All samples should be run in accordance with "Standard Methods". If at the end of the six months it is determined the plant is operating satisfactorily, the sampling will be discontinued.

At some point in the future, representatives of this office will visit the wastewater facility as a follow-up to this report. I will be expecting copies of your self-monitoring reports. If you have any comments or questions, please contact me at this office.

Respectfully,



Francis LaBarge
Water Quality Engineer
Southwest District

FL/kn

Enclosure

cc: DEQ/WQD - Cheyenne
Gene Marshall

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: Naughton Plant Wastewater Treatment Plant

ENGINEER: Utah Power and Light Company
P.O. Box 899
Salt Lake City, Utah 84110
ATTN: David W. Mills, Water Quality Specialist

OWNER: Utah Power and Light Company

WATER QUALITY DIVISION REFERENCE NUMBER: 79-602

REVIEWING ENGINEER: ^{DWA} David W. Hill, P.E.

DATE OF REVIEW: October 2, 1979

ACTION: NOT AUTHORIZED.

COMMENTS: General

1. The plans and specifications must be signed or sealed by an engineer registered in the state of Wyoming.
2. Three copies of all plans and specifications are needed. One set shall be returned to you upon our approval.

Sewage Plant

3. Complete design criteria is needed in addition to that provided (i.e. oxygen input to tanks, BOD₅ and SS to plant, etc.).
4. Can flows to the two plants be adequately split by use of gate valves? A more adequate flow splitting device may be needed.
5. Can the clarification chamber (i.e. living filters) adequately handle the flows expected?
6. How can a floc build up in the 2,000 and 2,500 gallon tanks without recycle? Or is floc supposed to build up only in the living filter part?
7. Details of the chlorine injection system and chlorination set up is needed (i.e. ventilation, lights, booster pump, initial mixing, chlorine contact chamber details, etc.). Ten State Standards must be followed.
8. Details of yard piping is needed (i.e. material specifications, installation specifications, etc.).
9. This does not necessarily constitute a final review.





Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

July 28, 1980

Joseph and Emma Gonzales
Shamrock Trailer Court
P.O. Box 65
Wamsutter, WY 82336

Re: Water and Sewer Line Extensions to Gonzales Mobile Home Court,
DEQ #79-603 RR

Dear Mr. and Mrs. Gonzales:

I have reviewed the information contained in your letter to Nelson Engineers dated February 6, 1980 and also the letter sent to Frank LaBarge from Nelson Engineering dated July 21, 1980. The information contained in the above two letters is not sufficient to determine the actual on-site conditions relating to the water and sewer line installations in the mobile home court. The Department of Environmental Quality therefore cannot, at this time, issue a letter of acceptance of the installation. In order to certify the actual conditions, the water and sewer lines will have to be exposed in at least two locations and field inspected by either a representative of the Department of Environmental Quality or a representative of Nelson Engineering. Following this field verification, the existing "as built" drawings should be amended as necessary so that we will have a permanent record of the installation. This field verification work should be done within the next 60 days. Our representatives from the Department of Environmental Quality office in Lander will be available on a 24 hour's notice to make the inspection in Wamsutter when the underground utilities have been exposed. Should this final inspection be delayed beyond 60 days, our office would then prepare a status report on the situation and refer it to the Department of Environmental Quality office in Cheyenne for further consultation with the Wyoming Attorney General's office. If you have any questions on this matter, please contact me.

Sincerely,

A handwritten signature in cursive script, appearing to read "Darryl D. Alleman".

Darryl D. Alleman, P.E.
Southwest District Engineer

DDA/kn



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-³¹⁴⁴~~3047~~

July 8, 1980

Joseph and Emma Gonzales
Shamrock Trailer Court
P. O. Box 65
Wamsutter, WY 82336

RE: Water & Sewer Line Extensions for the Addition to Gonzales
Mobile Home Court - Shamrock, DEQ Reference No. 79-603

Dear Mr. and Mrs. Gonzales:

As you are aware, representatives from the Lander DEQ office made an on-site inspection of the addition to your trailer court. It is clear that the water line and sewer line are not at least ten feet apart horizontally. Also, the "as built" drawings indicate a one inch water line was used. The minimum allowable size for a water line is two inches.

It is the decision of this department that the installed water line be removed and a two inch line be relocated a minimum of ten feet from the existing sewer line within 30 days (August 6, 1980). A follow up inspection will then be made to insure compliance.

Please find enclosed a copy of the "Wyoming Water Quality Rules & Regulations - Chapter III" in which the minimum design standards for mobile home park water and sewage facilities is stated.

If you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Frank La Barge".

Frank La Barge
Water Quality Engineer
Southwest District

FL/d1

Enclosure:



79-603

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

November 16, 1979

Joseph and Emma Gonzales
Shamrock Trailer Court
P.O. Box 65
Wamsutter, WY 82336

RE: Water and Sewer Line Extensions for the Addition to
Gonzales Mobile Home Court - Shamrock, DEQ# 79-603

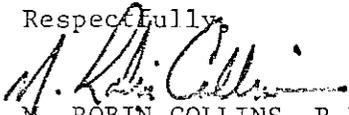
Dear Mr. and Mrs. Gonzales:

After reviewing the engineering plans for the aforementioned project, I would like to offer the following comments for your consideration and action.

As already discussed in a telephone conversation with Mickey M. Yamashiro of Nelson Engineering on November 15, 1979, separation distances of eight to six feet between the water and sewer lines in the addition to the mobile home court is not acceptable. The State of Wyoming follows the design recommendations as outlined in the "Ten States Standards" for water and sewage works systems. The standards state that "water mains shall be laid at least ten feet horizontally from any existing or proposed sewer." It is therefore recommended by this Department that the separation distances between the water main and sewer line be kept at a minimum of ten feet.

If the lines are already constructed and installed, then you have violated Section 35-11-301, part 3 and 5, of the Wyoming Environmental Quality Act as amended requiring a "Permit to Construct" before such construction commences to a public water and wastewater system. If that is the case, then it is the decision of this Department that the installed water main be removed and relayed to a minimum separation distance of ten feet by no later than April 30, 1980 which takes into account inclement weather conditions. A consulting engineer must assist in preparing and presenting the necessary plan and specification changes to this office for review and comment before construction begins.

If you have any questions concerning this letter, please do not hesitate to contact us.

Respectfully,

M. ROBIN COLLINS, P.E.
Environmental Engineer

cc: Mickey Yamashiro, Nelson Engr.
Jake Strohmman, DEQ, Cheyenne
Ione Potter, Division of Health & Medical Services

M-202
10-15-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-604

Fire Station Water Line 1
(Name of Facility)

This permit hereby authorizes the applicant:

City of Evanston
(Last) (First) (Middle)

Box 130
(Street or P.O. Box)

Evanston WY 82930
(City) (County) (State)

to construct, install, or modify a water distribution line
facility located in Section 16, T. 15N., R. 120W.
(Legal Description)

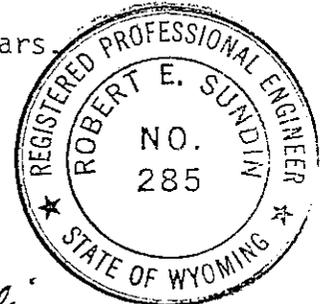
in the County of Uinta, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 9, 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."

Mok
10-10-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-605

Goff Creek Lodge Drainfield
(Name of Facility)

Modification of Permit 78-649R

This permit hereby authorizes the applicant:

Schmitt, Paul
(Last) (First) (Middle)

P.O. Box 167
(Street or P.O. Box)

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

to construct, install, or modify a sewage drainfield

facility located in Sec. 22, T. 52 N., R. 110 W.
(Legal Description)

in the County of Park, in the State of

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

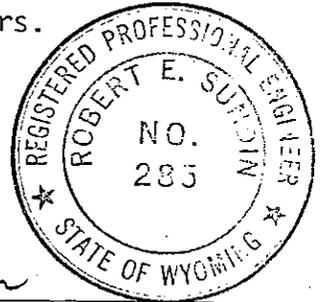
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 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."

cc: Charles A. Haas
Wells Engineers, Inc.
1225 Sage St.
Gering, NE 69341

M 12-28-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-607RR

Service Building Water Main
(Name of Facility)

This permit hereby authorizes the applicant:

Burlington Northern Inc.
(Last) (First) (Middle)

ATTN: Ronald L. Vogel
Wolcott & C Street
(Street or P.O. Box)

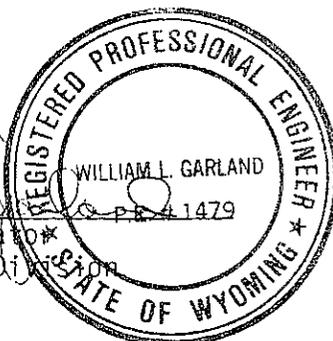
Casper, WY 82601
(City) (County) (State)

to construct, install, or modify a industrial distribution system
facility located in Sec. 36, T27N, R66W
(Legal Description)

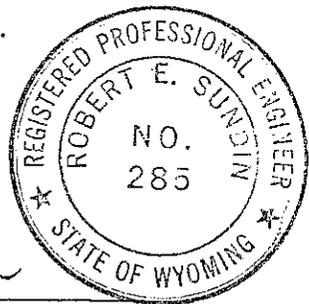
in the County of Platte, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sunden
Director
Wyoming Dept. of Environmental Quality



December 26, 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."

M-10-23-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
~~State Office Building~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: Water Main Project - Locomotive Servicing Facility, Burlington Northern, Inc., Guernsey, WY, Platte Co.

ARCHITECT OR ENGINEER: Charles A. Haas, Wells Engineers, Inc., 1225 Sage St., Gering, NE 69341

WATER QUALITY DIVISION REFERENCE NUMBER: 79-607

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

DATE OF REVIEW: October 22, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Separation Between Water Mains and Sewers

No provisions may be made to lessen the horizontal distance between water mains and sewers other than the prescribed 10 feet. Therefore, the statement in your specifications "but at no point less than 8 feet (2.44 m)" is unacceptable.

The Ten State Standards does allow less than 10 feet separation if laid in same trench with water mains laid on undisturbed shelf or if in separate trenches.

2. Special Conditions

When it is impossible to obtain proper horizontal and vertical separation, then the water main shall be constructed with mechanical joints and both the water and sewer lines shall be tested for watertightness.

3. Provide a letter from the Town of Guernsey stating that it has the capability to provide the water necessary to operate this project on a continual basis.

4. Leakage of Joints

No leakage rate was noted in the specifications. What is the prescribed leakage rate expected?

5. Valves

Indicate valve locations on water mains. Valves should be located at least 800 feet apart.

M to S
11-26-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-608R

BIBLE BAPTIST CHURCH
(Name of Facility)

This permit hereby authorizes the applicant:

Bible Baptist Church

(Last) (First) (Middle)

2300 Country Club Road

(Street or P.O. Box)

Gillette
(City)

Campbell
(County)

Wyoming 82716
(State)

to construct, install, or modify a sewage disposal

facility located in Section 35, 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 two (2) years

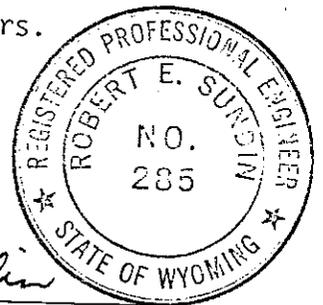
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



November 9, 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."

Bob
11-10-1979

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-610

Ross M. Coates

(Name of Facility)

This permit hereby authorizes the applicant:

Coates, Ross M
(Last) (First) (Middle)

Lot 20, Skyline 3
(Street or P.O. Box)

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

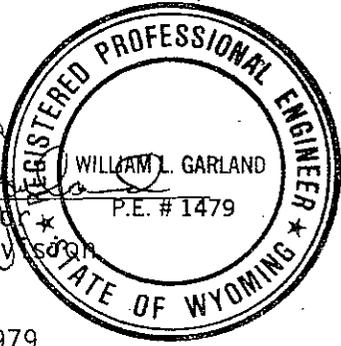
to construct, install, or modify a small wastewater
facility located in Sec. 26, T33N, R80W, Lot 20, Skyline 3
(Legal Description)

in the County of Natrona, in the State of

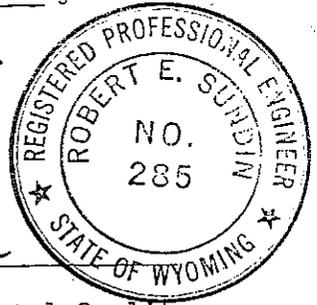
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 10, 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."

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

cc: Ed S. Rate, Jr.
P.O. Box 930
Casper, WY 82602

M 10-15-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-611

Donald Berner
(Name of Facility)

This permit hereby authorizes the applicant:

Berner, Donald
(Last) (First) (Middle)

2919 E. 6th
(Street or P.O. Box)

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

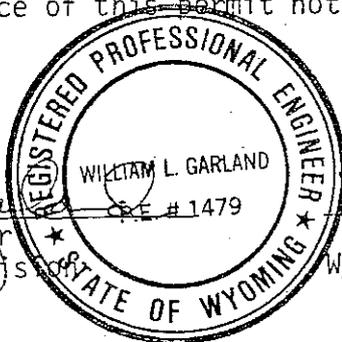
to construct, install, or modify a small waste treatment (E.O.)
facility located in Sec. 33, T33N, R80W, Lot 32, Indian Springs
(Legal Description)

in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of two (2) years

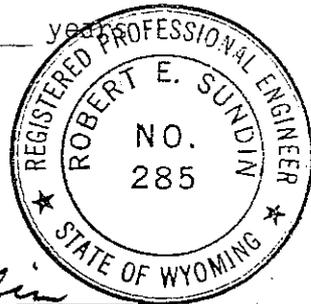
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 10, 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."

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

cc: Richard Reusser
P.O. Box 1104
Rawlins, WY 82301

M
11-27-79

PERMIT TO CONSTRUCT

New Permit No. 79-612RR
 Renewal
 Modified

Medallion Cove Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Tohurst Construction
(Last) (First) (Middle)

5051 South 1300 West
(Street or P.O. Box)

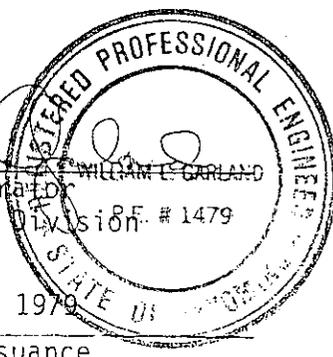
Salt Lake City, Utah 84107
(City) (County) (State)

to construct, install, or modify a water distribution & sewage collection system
facility located in Sec. 20, T22N, R81W
(Legal Description)

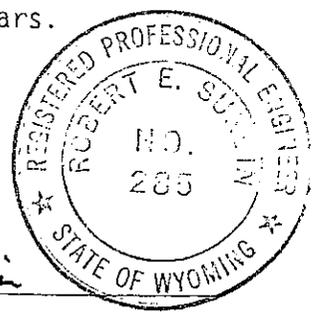
in the County of Carbon, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William J. Garland
Administrator
Water Quality Division # 1479
November 19, 1979
Date of Issuance



Robert E. Sardin
Director
Wyoming Dept. of Environmental Quality



"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."

DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
HATHAWAY BUILDING
CHEYENNE, WYOMING 82002

REQUIREMENTS FOR HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER AND SEWER MAINS

I. Parallel Installation

A. Normal Conditions

Water mains shall be laid at least 10 feet horizontally from any sanitary sewer, storm sewer or sewer manhole, whenever possible; the distance shall be measured edge-to-edge.

B. Unusual Conditions

When local conditions prevent a horizontal separation of 10 feet, a water main may be laid closer to a storm or sanitary sewer provided that:

1. the bottom of the water main is at least 18 inches above the top of the sewer;
2. where this vertical separation cannot be obtained, the sewer shall be constructed of materials and with joints that are equivalent to water main standards of construction and shall be pressure tested to assure watertightness prior to backfilling.

II. Crossings

A. Normal Conditions

Water mains crossing house sewers, storm sewers or sanitary sewers shall be laid above the sewers to provide a separation of at least 18 inches between the bottom of the water main and the top of the sewer, whenever possible.

B. Unusual Conditions

When local conditions prevent a vertical separation as described in "A" above, the following construction shall be used:

1. sewers passing over or under water mains shall be constructed of materials described in "B.2." above for a horizontal distance of at least 10 feet on each side of the crossing;

II. Crossings (Continued)

B. Unusual Conditions (Continued)

2. water mains passing under sewers shall, in addition, be protected by providing:
 - a. A vertical separation of at least 18 inches between the bottom of the sewer and the top of the water main;
 - b. adequate structural support for the sewers to prevent excessive deflection of joints and settling on and breaking the water mains;
 - c. that the length of water pipe be centered at the point of crossing so that the joints will be equidistant and as far as possible from the sewer.

M to R
10-30-79

PERMIT TO CONSTRUCT

New

Permit No. 79-613

Renewal

Modified

NAVAL PETROLEUM RESERVE NO. 3 (NPR-3)

(Name of Facility)

This permit hereby authorizes the applicant:

Fenix & Scisson, Inc.

(Last)

(First)

(Middle)

400 East First Street, Suite 301

(Street or P.O. Box)

Casper

(City)

Natrona

(County)

Wyoming 82601

(State)

to construct, install, or modify a sewage treatment

facility located in Section 9, T.38N., R.78W.

(Legal Description)

in the County of Natrona, in the State of

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

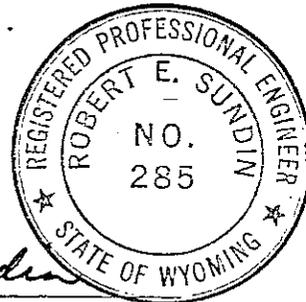
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 24, 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."

THE STATE



OF WYOMING

79-614R
M-10-31-79

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 30, 1979

Dr. Donald R. Lamb
Associated Engineers
910 Garfield Street
Laramie, WY 82070

Re: Indian Hills First Addition - WQD #79-592R
Indian Hills Second Addition - WQD #79-590R
Komart Plaza - WQD #591R
Stahl Addition - WQD #79-614R

Dear Mr. Lamb:

The Water Quality Division has reviewed the above referenced construction and has found that the water and sewer line construction meets minimum State standards. Since a Permit to Construct cannot be issued for "as built" facilities, this letter will serve as the approval document.

Sincerely,

A handwritten signature in black ink, appearing to read "LeRoy C. Feusner".

LeRoy C. Feusner, P.E.
District Supervisor
Water Quality Division

LCF/nc

M
10-10-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
~~XXXXXXXXXXXXXXXXXXXX~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: Stahl Addition (As Built), City of Laramie, Albany Co.

ARCHITECT OR ENGINEER: Associated Engineers, 910 Garfield St., Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 79-614

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: October 10, 1979

ACTION:

COMMENTS:

1. How were sewer/water line crossovers installed? Provide construction detail.
2. Provide letter or documentation from City of Laramie indicating their inspection/construction approval and testing results of water line pressurization/disinfection procedures.

79-616R
Book
M-10-23-79



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 22, 1979

Mr. Robert L. Gaukel
Executive Director
The Associated General Contractors
of Wyoming, Inc.
P.O. Box 965
Cheyenne, WY 82001

Re: Wyoming Public Works Construction
Standard Specifications

Dear Mr. Gaukel:

We have completed our review of the referenced specifications and find that they meet minimum State standards for water and sewer line construction. Any further additions or deletions to these construction standard specifications will require review by this Division to ensure continued compliance with State standards.

Sincerely,

LeRoy C. Feusner, P.E.
District Engineer
Water Quality Division

LCF/nc

8. Add paragraphs and detail drawing for separation of water mains and sewers. Attached information must be included in descriptive paragraph.
9. Item 401.05 D. Change existing 7½% maximum deflection to 5% maximum deflection.

Section 301, Water Mains

1. Item 301.04. Add paragraphs for following items:
 - a. SEPARATION OF WATER AND SEWER MAINS. Insert attached information into a paragraph and provide detail drawing.
 - b. AIR RELIEF VALVES, BLOW-OFFS, FLUSHING HYDRANTS. Provide material specifications.
2. Item 303.02. Add paragraph:
 - a. Water services and plumbing shall conform to relevant local and/or State plumbing codes, or to National Plumbing Code.

A. SEPARATION OF WATER MAINS AND SEWERS

Parallel Installation. Normal conditions - Water mains shall be laid at least 10 feet horizontally from any sanitary sewer, storm sewer or manhole, whenever possible; the distance shall be measured edge-to-edge.

Unusual conditions - When local conditions prevent a horizontal separation of 10 feet, a water main may be laid closer to a storm or sanitary sewer provided that:

- a. the bottom of the water is at least 18 inches above the top of the sewer;
- b. where this vertical separation cannot be obtained, the sewer shall be constructed of materials and with joints that are equivalent to water main standards of construction and shall be pressure tested to assure watertightness prior to back-filling.

Crossing. Normal conditions - Water mains crossing house sewers, storm sewers or sanitary sewers shall be laid above the sewers, to provide a separation of at least 18 inches between the bottom of the water main and the top of the sewer, whenever possible.

Unusual conditions - When local conditions prevent a vertical separation of at least 18 inches, the following construction shall be used:

- a. Sewers passing over or under water mains shall be constructed of materials and with joints that are equivalent to water main standards of construction for a horizontal distance of at least 10 feet on each side of the crossing and shall be pressure tested to assure watertightness prior to backfilling.
- b. Water mains passing under sewers shall, in addition, be protected by providing:
 1. a vertical separation of at least 18 inches between the bottom of the sewer and the top of the water main;
 2. adequate structural support for the sewers to prevent excessive deflection of joints and settling on and breaking the water mains;
 3. that the length of water pipe be centered at the point of crossing so that the joints will be equidistant and as far as possible from the sewer.

Book
Holds to need
10-5-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: Wyoming Public Works Standard Specifications

ARCHITECT OR ENGINEER: City of Cheyenne, City Engineer, City-County Bldg.,
Room 208, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 79-616

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: October 4, 1979

ACTION: SPECIFICATIONS NOT APPROVED

COMMENTS:

Section 401, Sanitary Sewer Mains

1. Item 401.02 B(1)(c). Change existing wording to the following: Service connections to any public sanitary sewer shall be made only to a tee installed at the time of the sewer main installation or by machine tap and approved wye appropriate to the main sewer line material. Wye must allow sewage to enter sewer main in the direction of flow. All connections and service lines must be water tight.
2. Item 401.02 B(2)(b). Same as item 401.02 B(1)(c) above.
3. Item 401.02 B(3). Delete concrete pipe from sewer line pipe material specifications due to extreme corrosive properties of raw sewage and sulfide formation inside pipe which will rapidly deteriorate concrete pipe walls.
4. Item 401.02 B(4)(b). Same as item 401.02 B(1)(c) above, plus: Fittings shall be shop fabricated or molded from materials listed in paragraphs 4 and 5 of ASTM D-2680 and shall be of equivalent quality to those.
5. Item 401.02 B(4)(d). Change existing 7½% maximum deflection to 5% maximum deflection.
6. Item 401.02 B(5)(b). Same as item 401.02 B(1)(c) above.
7. Item 401.03A. Specify size and type of backfill materials. Backfill shall be of a suitable material removed from the excavation except where other material is specified. Debris, frozen material, large clods or stones, organic matter, or other unsuitable materials shall not be used for backfill within two feet of the pipe top.

cc: R.J. Nelson
212 City Center Bldg.
Casper, WY 82601

10-27-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-617

Bill Hawks Residence
(Name of Facility)

This permit hereby authorizes the applicant:

Hawks, Bill
(Last) (First) (Middle)

1500 Squaw Creek Rd.
(Street or P.O. Box)

Casper, WY 82601
(City) (County) (State)

to construct, install, or modify a sewage evaporative system (E.O.)
facility located in 1500 Squaw Creek Rd.
(Legal Description)

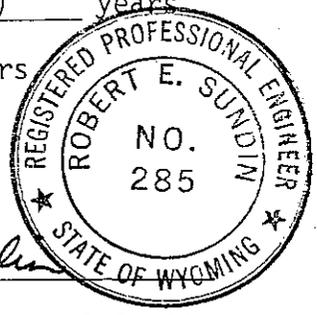
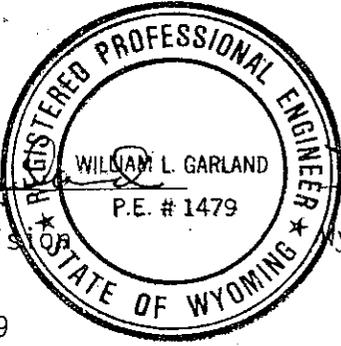
in the County of Natrona, in the State of

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



October 16, 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."

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

A) to S
11-14-79

PERMIT TO CONSTRUCT

New

Permit No. 79-618R

Renewal

Modified

CAMEL PLAZA

(Name of Facility)

This permit hereby authorizes the applicant:

W. M. Grace Construction

(Last)

(First)

(Middle)

2007 G Holiday Plaza

(Street or P.O. Box)

Gillette

(City)

Campbell

(County)

Wyoming 82716

(State)

to construct, install, or modify a waterline

facility located in Section 27, T.50N., R.72W.

(Legal Description)

in the County of Campbell,

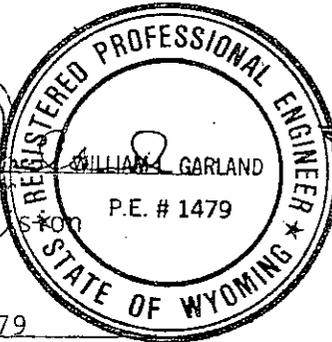
in the State of

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

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

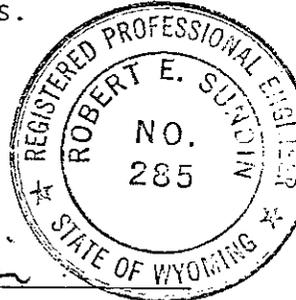
AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sunden
Director

Wyoming Dept. of Environmental Quality



November 8, 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."

At 5-27-79

cc: Robert Jack Smith & Associates
P. O. Box 1104
Rawlins, WY 82301
ATTN: Paul McCarthy PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-619

Riner Road Compressor Station Warehouse
(Name of Facility)

This permit hereby authorizes the applicant:

City Services Gas
(Last) (First) (Middle)

P. O. Box 25128
(Street or P.O. Box)

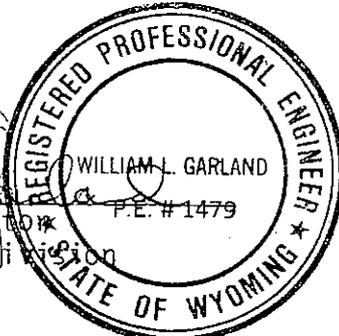
Oklahoma City Oklahoma 73125
(City) (County) (State)

to construct, install, or modify a septic tank - leach field
facility located in Section 34, T. 21N., R. 90W.
(Legal Description)

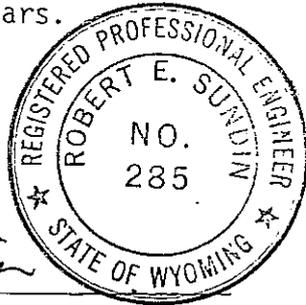
in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 11, 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."

cc: D.M. Hopkins
216 E. 17th Street
Cheyenne, WY 82001

11-29-79

PERMIT TO CONSTRUCT

New

Permit No. 79-620RR

Renewal

Modified

Roadside, Inc.

(Name of Facility)

This permit hereby authorizes the applicant:

Roadside, Inc.

(Last)

(First)

(Middle)

1816 Central Avenue

(Street or P.O. Box)

Cheyenne, WY 82001

(City)

(County)

(State)

to construct, install, or modify a commercial subsurface disposal

facility located in Sec. 28, T14N, R65W

(Legal Description)

in the County of Laramie,

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.

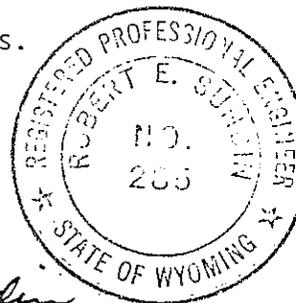
AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director

Wyoming Dept. of Environmental Quality



November 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."

50-1
A. 10-31-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

XXXXXXXXXXXXXXXXXXXXXXXXXXXX Hathaway Bldg.
State Office Building

Cheyenne, Wyoming 82002

PROJECT: Roadside, Inc., Laramie Co.

ARCHITECT OR ENGINEER: D. M. Hopkins, 216 E. 17th St., Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 79-620R

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: October 30, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. We cannot issue a permit to construct for a sewer/wastewater treatment system without knowing the pipe material/specifications and construction method/specifications, to include at least depth of bury, joints, leakage tests, deflection tests for flexible pipe, backfill, alignment tests, etc.
2. Statement of water/sewer line crossovers is not adequate. See attached DEQ requirements for crossover/separation construction.

A. SEPARATION OF WATER MAINS AND SEWERS

Parallel Installation. Normal conditions - Water mains shall be laid at least 10 feet horizontally from any sanitary sewer, storm sewer or manhole, whenever possible; the distance shall be measured edge-to-edge.

Unusual conditions - When local conditions prevent a horizontal separation of 10 feet, a water main may be laid closer to a storm or sanitary sewer provided that:

- a. the bottom of the water is at least 18 inches above the top of the sewer;
- b. where this vertical separation cannot be obtained, the sewer shall be constructed of materials and with joints that are equivalent to water main standards of construction and shall be pressure tested to assure watertightness prior to backfilling.

Crossing. Normal conditions - Water mains crossing house sewers, storm sewers or sanitary sewers shall be laid above the sewers, to provide a separation of at least 18 inches between the bottom of the water main and the top of the sewer, whenever possible.

Unusual conditions - When local conditions prevent a vertical separation of at least 18 inches, the following construction shall be used:

- a. Sewers passing over or under water mains shall be constructed of materials and with joints that are equivalent to water main standards of construction for a horizontal distance of at least 10 feet on each side of the crossing and shall be pressure tested to assure watertightness prior to backfilling.
- b. Water mains passing under sewers shall, in addition, be protected by providing:
 1. a vertical separation of at least 18 inches between the bottom of the sewer and the top of the water main;
 2. adequate structural support for the sewers to prevent excessive deflection of joints and settling on and breaking the water mains;
 3. that the length of water pipe be centered at the point of crossing so that the joints will be equidistant and as far as possible from the sewer.

Encl
10-25-79
100

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ Hathaway Bldg.

Cheyenne, Wyoming 82002

PROJECT: Roadside, Inc., Laramie Co.

ARCHITECT OR ENGINEER: D. M. Hopkins, 216 E. 17th Street, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 79-620

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: October 24, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

General

Installation and use of a septic tank/leach field treatment system for the initial project construction could be considered adequate for wastewater treatment. Usage of this system for a motel/banquet facility could not be considered adequate for wastewater treatment based upon the following points:

1. Due to daily peak and surging wastewater flow rates, solids washout from the septic tank would result in leach field pipe clogging and ultimate failure within a short time.
2. Water saturation of the leach field during peak flow periods would result in wastewater surfacing problems.

For these reasons, we will only consider the septic tank/leach field treatment system for the Phase I, II and III construction. Future development (Phase IV) will require an alternate disposal system, such as an aerated lagoon or mechanical package treatment plant, which would be capable of adequately handling the hydraulic/organic loading. The Phase I, II and III construction could be accomplished by designating two separate septic tank/leach field systems or by one system which would handle all three proposals.

Sewer Line/Septic Tank Construction

1. What are the material specifications and size for the sewer line pipe? What type of joints will be used? What is depth of bury?
2. Provide construction detail, capacity and location of restaurant grease trap.

Roadside, Inc.
DEQ/WQD Ref. No. 79-620
October 24, 1979
Page two

3. Septic tanks of two compartments give better results for solids separation from commercial operations than do single compartment tanks. Include size/capacity data for tanks in next submission if two systems are proposed for Phases I, II, and III construction.
4. What would be the composition and disposition of basement drainage?
5. Eliminate dosing tank construction for septic tank system (telephone conversation of October 24, 1979).
6. Cleanouts should be provided not only at building location, but also at any points between building and septic tank where sewer line changes direction.
7. Indicate water/sewer line locations. If crossovers will be involved, show detail of any crossover construction.

4-11-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 11, 1984

Mrs. Gene Alloway
1634 Jim Bridger
Casper, WY 82604

Dear Mrs. Alloway:

On March 13, 1984, a status letter was sent to you concerning a permit to construct, reference number 79-621, facility name Jet Mobile Home Park. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and punishable with fines not to exceed \$10,000 per day of violation. If this project has already been constructed, it is your responsibility to immediately contact this office for further instruction. If you wish to reconsider construction of this facility, then application procedures pursuant to Chapter III, Water Quality Rules & Regulations, must be followed.

Sincerely,

LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

LCF/nc

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 13, 1984

✓ Mr. Gene Alloway
Acorn, Inc.
6820 West Yellowstone
Casper, WY 82601

Dear Mr. Alloway:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility name:	Jet Mobile Home Park, Air Base Acres #2
DEQ/WQD Reference Number:	79-621
Engineering Consultant:	R. G. Zinn, Civil Engineering Consultants (out of business)
DEQ/WQD Reviewing Engineer:	Robert Pinther
Date of DEQ/WQD Review:	October 4, 1979

Please indicate below the status of your application and return this form to our office:

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- Other remarks _____

*Telephone call on 10 Apr 84 to Mrs Alloway (234-6064)
Project was never constructed since her husband died two years ago.
JK*

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,

A handwritten signature in cursive script, appearing to read "LeRoy C. Feusner".

LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division



Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 13, 1984

Mr. Gene Alloway
Acorn, Inc.
6820 West Yellowstone
Casper, WY 82601

Dear Mr. Alloway:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

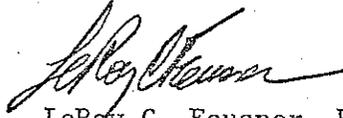
Facility name:	Jet Mobile Home Park, Air Base Acres #2
DEQ/WQD Reference Number:	79-621
Engineering Consultant:	R. G. Zinn, Civil Engineering Consultants (out of business)
DEQ/WQD Reviewing Engineer:	Robert Pinther
Date of DEQ/WQD Review:	October 4, 1979

Please indicate below the status of your application and return this form to our office:

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- Other remarks _____

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,



LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

Book
M-10-10-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ Hathaway Bldg.

Cheyenne, Wyoming 82002

PROJECT: Jet Mobile Home Park, Gene Alloway, Owner, Casper, WY, Natrona Co.

ARCHITECT OR ENGINEER: Richard G. Zinn, Civil Engineering Consultants,
6820 West Yellowstone Highway, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-621

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

DATE OF REVIEW: October 4, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Water System

1. Provide the following in connection with the underground concrete reservoir:
 - a. A horizontal separation of at least 100 feet between the reservoir and the septic tank effluent absorption bed.
 - b. The top of the reservoir should extend at least one foot and preferably two feet above ground level.
 - c. The access manhole shall extend at least 24 inches above ground level and shall have a solid watertight cover having edges which overlap and project downward at least two (2) inches around the outside of the manhole walls. The cover should be hinged at one side and shall have a locking device.
 - d. All pipes entering the reservoir should connect to standard wall castings which were poured in place during construction. These wall castings should have seepage rings imbedded in the concrete and should preferably be located in the walls of the reservoir or reservoir manhole.
 - e. All openings into the reservoir to accommodate the power cable and any other wiring should be sleeved and sealed in a watertight manner, and preferably be located in the walls of the reservoir or reservoir manhole.
 - f. Provide a screened reservoir vent pipe which terminates in an inverted U construction the opening of which is at least 24 inches above the surface of the ground.

- g. Provide a reservoir overflow pipe which discharges above grade at a location which is not subject to flooding by surface waters or sewage. The overflow pipe shall terminate in an inverted U construction and be screened within the pipe to avoid vandalism.
2. Indicate the capacity of the submersible pump under expected discharge head.
3. Provide a properly sized pressure tank and show its location.
4. Specify that the PVC water lines are of the non-toxic type bearing the seal of approval of the National Sanitation Foundation.
5. All water lines shall be pressure and leakage tested prior to burial. The testing shall be conducted at a minimum of $1\frac{1}{2}$ times the normal operating pressure. Follow the testing procedure set forth in AWWA Standard C600-77.
6. Specify disinfection of the water tank and distribution system prior to placing into service.
7. Indicate the AWWA Standards to which the Vabar Hi-Build 792 coating for the reservoir conforms.

Sewerage System

1. Provide a minimum horizontal separation of 5 feet between all water and sewer service risers.
2. Specify that the minimum size of the sewer collection mains shall be 6 inches.
3. Provide a cleanout, lamphole, or manhole at the upper end of all sewer main runs.
4. When a mobile home does not occupy the space, each sewer service riser pipe shall be capped with a non-breakable watertight cap or plug.
5. Specify that the maximum infiltration or exfiltration of the sewer lines shall be 200 gallons per inch of pipe diameter per mile per day.
6. Specify that the maximum vertical deflection of any sewer pipe shall not exceed 5% of the internal pipe diameter.
7. Specify that the lamping of any sewer between manholes shall show a perfect circle. Any section that fails the lamping test shall be checked for alignment, grade, and deflection and the necessary corrections made.
8. The septic tank inlet and outlet tees shall be schedule 40 PVC or cast iron.
9. The cast iron or schedule 40 PVC pipe shall extend at least 5 feet from the inlet and outlet of each septic tank.

10. An access manhole at least 20 inches least dimension is required over the inlet and outlet of each septic tank.
11. The septic tank inlet elevation shall be three (3) inches above the outlet.
12. The sewer service line for each mobile home shall connect to the collection main at a maximum 45° bend in the direction of sewage flow.

General

1. Submit a letter from the improvement district stating that they can adequately supply 350 gallons of potable water per day for each mobile home the year around.
2. Submit 2 copies of a completed application for a permit to construct.
3. Submit 2 copies of the revised plans and specifications.

cc: Robert Thompson
P.O. Box 1006
Casper, WY 82602

M-10-30-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-622

High Plains Investments
(Name of Facility)

This permit hereby authorizes the applicant:

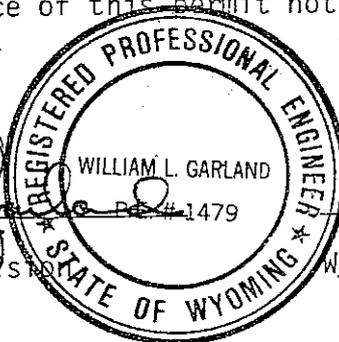
High Plains Investments
 (Last) (First) (Middle)
P.O. Box 789
 (Street or P.O. Box)
Evansville, WY 82636
 (City) (County) (State)

to construct, install, or modify a industrial subsurface disposal
 facility located in Sec. 27 & 34, T34N, R80W, Lot 46, Westgate Park II
 (Legal Description)

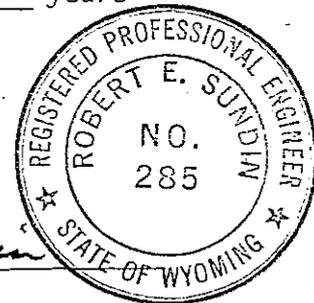
in the County of Natrona, in the State of
 Wyoming. This permit shall be effective for a period of two (2) years
 from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
 Administrator
 Water Quality Division



Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality



October 26, 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."

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

cc: Nelson Engineering
Box 365
Green River, WY 82935
ATTN: David A. Violette

Alto
11/26/79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-623R

L & L Mobile Home Court
(Name of Facility)

This permit hereby authorizes the applicant:

<u>Zanetti</u>	<u>Terry</u>	<u>M</u>
(Last)	(First)	(Middle)

1131 Vermont
(Street or P.O. Box)

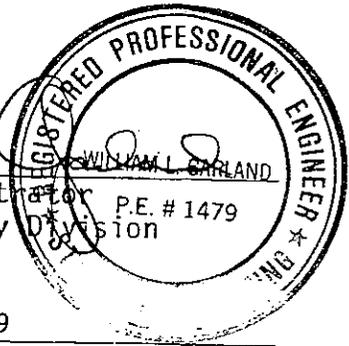
<u>Rock Springs</u>	<u>WY</u>	<u>82901</u>
(City)	(County)	(State)

to construct, install, or modify a water lines, sewer lines, septic tank - leach field
facility located in Section 4, T. 19N., R. 105W.
(Legal Description)

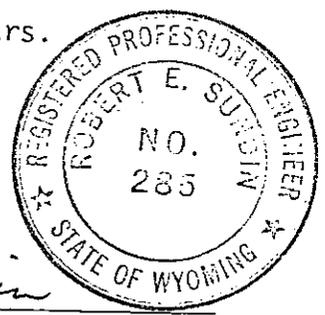
in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
P.E. # 1479



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



November 6, 1979
Date of Issuance

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

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: L & L Mobile Home Court
Sec. 4, T. 19 N., R. 105 W.
Sweetwater County

ENGINEER: David A. Violette, P.E.
P.O. Box 365
Green River, WY 82935

OWNER: Terry M. Zanetti
1131 Vermont
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 79-623

REVIEWING ENGINEER: ^{OVA} David W. Hill, P.E.

DATE OF REVIEW: October 17, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

Water System

- 1) All water main pipe should be at least two inches in size. (Sec. 2.1, Appendix A, Wyoming Water Quality Rules and Regulations, Chapter III).
- 2) The water main must end in a blowoff or be looped.
- 3) Water riser details are needed.

Sewer System

- 4) The distance from the manhole to the cleanout should be no greater than 150 feet in length.
- 5) Sewer riser details are needed.

General

- 6) Specifications are needed for all installation and testing requirements for both water and sewer lines.

(A,B,C)

cc: Robert Jack Smith & Associates, Inc.
P. O. Box 1104
Rawlins, WY 82301
ATTN: Paul McCarthy, P.E. PERMIT TO CONSTRUCT

M to J
10-22-79

- New
- Renewal
- Modified

Permit No. 79-624

Marathon Oil Warehouse
(Name of Facility)

This permit hereby authorizes the applicant:

Marathon Oil Company
(Last) (First) (Middle)

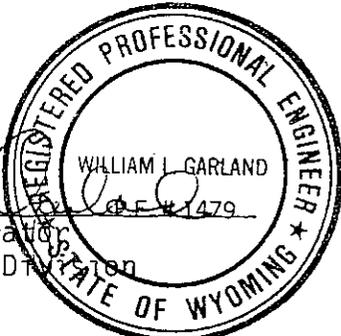
P. O. Box 2659
(Street or P.O. Box)

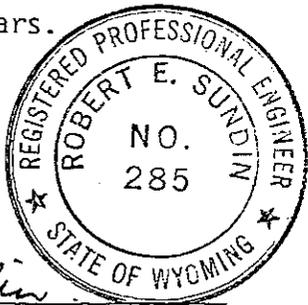
Casper WY 82601
(City) (County) (State)

to construct, install, or modify a septic tank - evapotranspiration bed
facility located in Section 34, T. 20N., R. 94W.
(Legal Description)

in the County of Sweetwater, 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 J. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


October 11, 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."

cc: Johnson-Fermelia & Crank, Inc.
P.O. Box 1633
Rock Springs, WY 82901
ATTN: Terry L. Sell, P.E.

cc: City of Rock Springs
P.O. Box 1030
Rock Springs, WY 82901
ATTN: Ernie Kern, Asst. City
Engr.

M to J
10-2-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-625

Gateway Sewer Extension
(Name of Facility)

This permit hereby authorizes the applicant:

Gateway, Inc.
(Last) (First) (Middle)

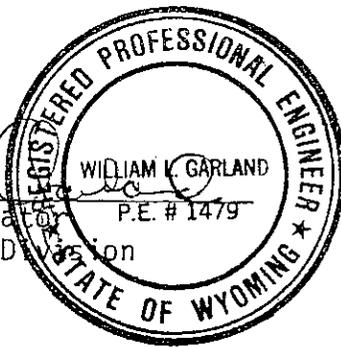
1304 Marchant
(Street or P.O. Box)

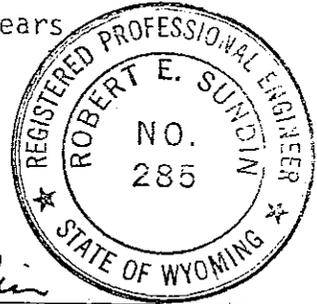
Rock Springs, Wyoming 82901
(City) (County) (State)

to construct, install, or modify a wastewater collection line
facility located in Sec., 34, T. 19 N., R. 105 W.
(Legal Description)

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

AUTHORIZED BY:

William L. [Signature]
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


October 12, 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

7/10/79
11-26-79

- New
- Renewal
- Modified

Permit No. 79-626

Bingo Sewage Lagoon Expansion
(Name of Facility)

This permit hereby authorizes the applicant:

Telum, Inc.
(Last) (First) (Middle)

3227 North Canyon Road
(Street or P.O. Box)

Provo, Utah 84601
(City) (County) (State)

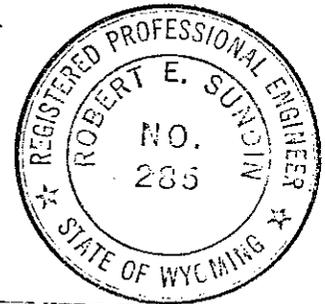
to construct, install, or modify a wastewater lagoon
facility located in Sec. 4, T. 15 N., R. 116 W.
(Legal Description)

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

AUTHORIZED BY:

William L. Garland
Adminis. Division
Water Quality
P.E. # 1479
STATE OF WYOMING

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



November 14, 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."

cc: Bruce Yates
VTN Wyoming, Inc.
330 North Main Street
Sheridan, Wyoming 82801

PERMIT TO CONSTRUCT

New

Permit No. 79-627

Renewal

Modified

BUCKSKIN SEDIMENTATION NO. 1 RESERVOIR

(Name of Facility)

This permit hereby authorizes the applicant:

Shell Oil Company

(Last)

(First)

(Middle)

P.O. Box 2099

(Street or P.O. Box)

Houston, Texas 77001

(City)

(County)

(State)

to construct, install, or modify a sedimentation pond

facility located in Section 5, T.51N., R.72W.

(Legal Description)

in the County of Campbell

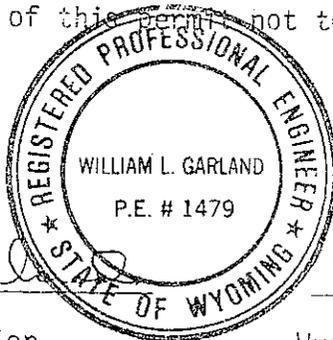
, in the State of

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

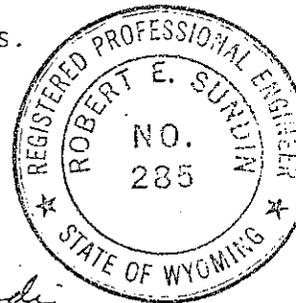
from the date of issuance of this permit, not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sunda
Director
Wyoming Dept. of Environmental Quality



December 3, 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."



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

M 6-10-82

79-627 thru
79-632

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

June 4, 1982

Mr. J. V. Burk
Mine Manager
Triton Coal Company
P.O. Box 3027
Gillette, WY 82716

Dear Mr. Burk:

Water Quality Division recognizes that Triton Coal Company has taken over the operation of facilities previously permitted by Shell Oil Company. The Water Quality Division permit numbers are listed below:

- 79-627 - Sediment Pond No. 1
- 79-628 - Sediment Pond No. 2
- 79-629 - Sediment Pond No. 3
- 79-630 - Sediment Pond No. 4
- 79-631 - Sediment Pond No. 7
- 79-632 - Sediment Pond No. 8
- 79-634 - Sediment Pond No. 10
- 79-635 - Wastewater Pond No. 1
- 79-636 - Wastewater Pond No. 2
- 79-637RR - Sewage Treatment Plant No. 1
- 79-638RR - Sewage Treatment Plant No. 2

Sincerely,

Jake Strohmman
Engineering Control Supervisor

JS/nc

cc: Tom Mueller, DEQ/WQD, Sheridan

F. K. Blackard
Mine Development Manager
Shell Oil Company
P.O. Box 2906
Houston, Texas 77001

Shell Oil Company

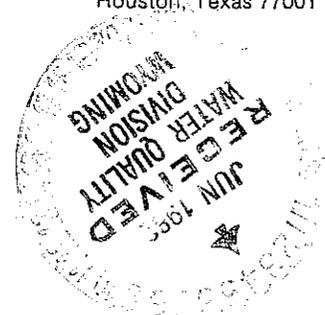


norma
reissue any
active permits
Thank you
Jalae

May 28, 1982

P.O. Box 2906
Houston, Texas 77001

Mr. Tom Mueller
District Engineer
Wyoming Department of Environmental Quality
Water Quality Division
2161 Coffeen Avenue, Suite 301
Sheridan, WY 82801



Dear Mr. Mueller:

SUBJECT: TRANSFER OF WATER QUALITY PERMITS TO CONSTRUCT

We recently subleased the coal reserves located at the Buckskin Mine to Triton Coal Company, a wholly-owned subsidiary of Shell Oil Company. As such, we are in the process of preparing an application to transfer our mining permit to Triton Coal Company. The application for mining permit transfer will be submitted to the Department of Environmental Quality-Land Quality Division (DEQ-LQD).

Prior to submitting our application for transfer of the mining permit, we would like to transfer to Triton Coal Company the attached list of permits issued by the Water Quality Division.

Triton Coal Company is a corporation authorized to do business in the State of Wyoming. A copy of Triton's corporate charter is on file in the office of the Wyoming Secretary of State. All correspondence with Triton Coal Company should be directed to:

Mr. J. V. Burk
Mine Manager
Triton Coal Company
P. O. Box 3027
Gillette, Wyoming 82716
Phone # (307) 686-5425

If you require further information, please let us know.

Sincerely,

F. K. (Kirk) Blackard
Mine Development Manager
Mining

KJS:CC

Attachment

cc - Mr. William L. Garland

WATER QUALITY PERMITS TO CONSTRUCT

Facility Name	Identification Number	Approval Date
Sediment Pond No. 1	79-627	December 3, 1979
Sediment Pond No. 2	79-628	December 3, 1979
Sediment Pond No. 3	79-629	December 3, 1979
Sediment Pond No. 4	79-630	December 3, 1979
Sediment Pond No. 7	79-631	December 3, 1979
Sediment Pond No. 8	79-632	December 3, 1979
Sediment Pond No. 10	79-634	December 3, 1979
Wastewater Pond No. 1	79-635	December 3, 1979
Wastewater Pond No. 2	79-636	December 3, 1979
Sewage Treatment Plant No. 1	79-637RR	February 27, 1980
Sewage Treatment Plant No. 2	79-638RR	February 27, 1980
Sediment Pond No. 5	81-181	May 19, 1981
Sediment Pond No. 6	81-182	May 19, 1981

*Department of Environmental Quality**Water Quality Division*

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

To: Tom Mueller
District Supervisor

From: Tony Mancini *AM*
Environmental Engineer

Date: November 5, 1979

Subject: Comments on "Buckskin Mine" submittal, 79-627 through 79-638

I think the maps and specs are very well done. I have a few comments on content.

1. Construction plans show no keyways, and foundation conditions are not reported. Do we assume the foundation is adequate and keyways are not needed?
2. Reservoir liquid volumes determined to detain storm-event runoff for a 5-day minimum only for Sedimentation No. 1 Reservoir; all others a minimum 24-hour period.
3. No further comments on Sedimentation #2, 3, 4, 7, 8, 9 and 10 Reservoirs.
4. Sedimentation #1 Reservoir will hold both sediment and mine pit water from dewatering; objectionable?
5. Wastewater Reservoirs #1 and 2 are designed to discharge. If NPDES permits are issued, I have no comments on groundwater protection. There could be concern because soil percolation rates under these ponds are equated to permeabilities by an analytical method, and are not based on field measurements. Values of 10^{-3} to 10^{-6} cm/sec are considered permeable.

cc: Bruce Yates
VTN Wyoming, Inc.
330 North Main Street
Sheridan, WY 82801

10/10/79
12/13/79

PERMIT TO CONSTRUCT

New

Permit No. 79-628

Renewal

Modified

BUCKSKIN SEDIMENTATION NO. 2 RESERVOIR

(Name of Facility)

This permit hereby authorizes the applicant:

Shell Oil Company

(Last)

(First)

(Middle)

P.O. Box 2099

(Street or P.O. Box)

Houston, Texas 77001

(City)

(County)

(State)

to construct, install, or modify a sedimentation pond

facility located in Section 32, T.52N., R.72W.

(Legal Description)

in the County of Campbell,

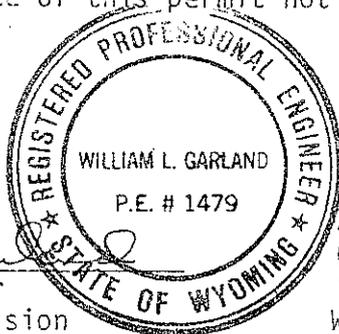
in the State of

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

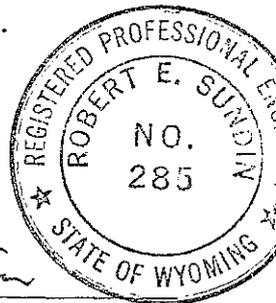
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



December 3, 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."

cc: Bruce Yates
VTN Wyoming, Inc.
330 North Main Street
Sheridan, WY 82801

M 403
12-13-79

PERMIT TO CONSTRUCT

New

Permit No. 79-629

Renewal

Modified

BUCKSKIN SEDIMENTATION NO. 3 RESERVOIR

(Name of Facility)

This permit hereby authorizes the applicant:

Shell Oil Company

(Last)

(First)

(Middle)

P.O. Box 2099

(Street or P.O. Box)

Houston, Texas 77001

(City)

(County)

(State)

to construct, install, or modify a sedimentation pond

facility located in Section 31, T.52N., R.72W.

(Legal Description)

in the County of Campbell,

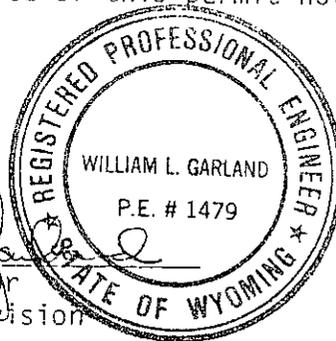
in the State of

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

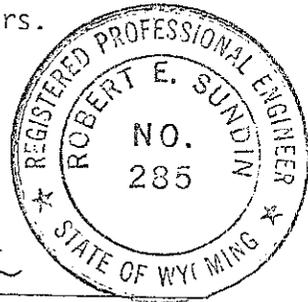
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



December 3, 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."

cc: Bruce Yates
VTN Wyoming, Inc.
330 North Main Street
Sheridan, WY 82801

PERMIT TO CONSTRUCT

New

Permit No. 79-630

Renewal

Modified

BUCKSKIN SEDIMENTATION NO. 4 RESERVOIR
(Name of Facility)

This permit hereby authorizes the applicant:

Shell Oil Company

(Last)

(First)

(Middle)

P.O. Box 2099

(Street or P.O. Box)

Houston, Texas 77001

(City)

(County)

(State)

to construct, install, or modify a sedimentation pond

facility located in Section 32, T.52N., R.72W.

(Legal Description)

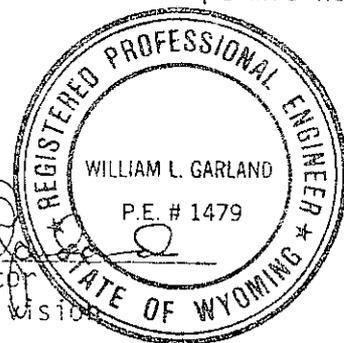
in the County of Campbell,

in the State of

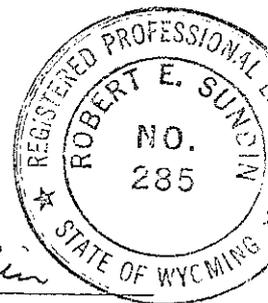
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



December 3, 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."

cc: Bruce Yates
VTN Wyoming, Inc.
330 North Main Street
Sheridan, Wyoming 82801

M to S
12-13

PERMIT TO CONSTRUCT

New

Permit No. 79-631

Renewal

Modified

BUCKSKIN SEDIMENTATION NO. 7 RESERVOIR

(Name of Facility)

This permit hereby authorizes the applicant:

Shell Oil Company

(Last)

(First)

(Middle)

P.O. Box 2099

(Street or P.O. Box)

Houston, Texas 77001

(City)

(County)

(State)

to construct, install, or modify a sedimentation pond

facility located in Section 33, T.52N., R.72W.

(Legal Description)

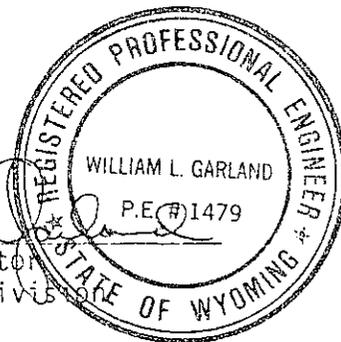
in the County of Campbell, in the State of

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

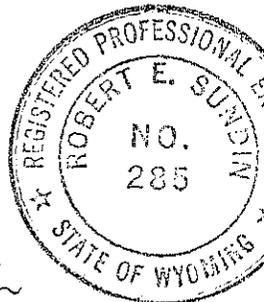
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



December 3, 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."

cc: Bruce Yates
VTN Wyoming, Inc.
330 North Main Street
Sheridan, Wyoming 82801

11/30/79

PERMIT TO CONSTRUCT

New

Permit No. 79-632

Renewal

Modified

BUCKSKIN SEDIMENTATION NO. 8 RESERVOIR
(Name of Facility)

This permit hereby authorizes the applicant:

Shell Oil Company
(Last) (First) (Middle)

P.O. Box 2099
(Street or P.O. Box)

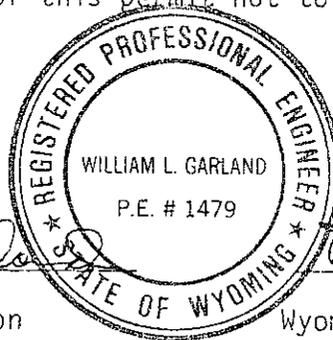
Houston, Texas 77001
(City) (County) (State)

to construct, install, or modify a sedimentation pond
facility located in Section 32, T.52N., R.72W.
(Legal Description)

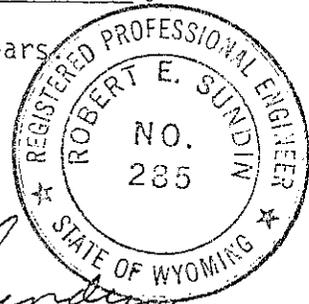
in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



December 3, 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."

cc: Bruce Yates
VTN Wyoming, Inc.
330 North Main Street
Sheridan, Wyoming 82801

1025
10-11-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-633

BUCKSKIN SEDIMENTATION NO. 9 RESERVOIR
(Name of Facility)

This permit hereby authorizes the applicant:

Shell Oil Company
(Last) (First) (Middle)

P.O. Box 2099
(Street or P.O. Box)

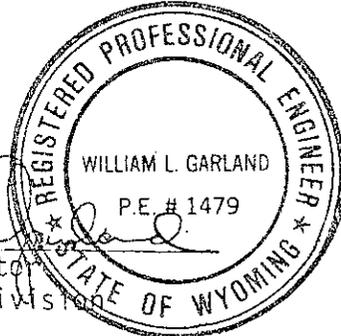
Houston, Texas 77001
(City) (County) (State)

to construct, install, or modify a sedimentation pond
facility located in Section 32, T.52N., R.72W.
(Legal Description)

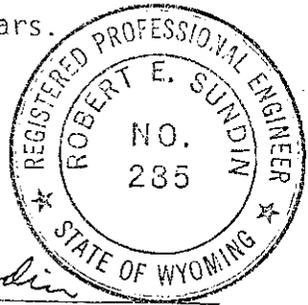
in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



December 3, 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."

cc: Bruce Yates
VTN Wyoming, Inc.
330 North Main Street
Sheridan, Wyoming 82801

11/40
12/13/79

PERMIT TO CONSTRUCT

New

Permit No. 79-634

Renewal

Modified

BUCKSKIN SEDIMENTATION NO. 10 RESERVOIR

(Name of Facility)

This permit hereby authorizes the applicant:

Shell Oil Company

(Last)

(First)

(Middle)

P.O. Box 2099

(Street or P.O. Box)

Houston, Texas 77001

(City)

(County)

(State)

to construct, install, or modify a sedimentation pond

facility located in Section 32, T.52N., R.72W.

(Legal Description)

in the County of Campbell,

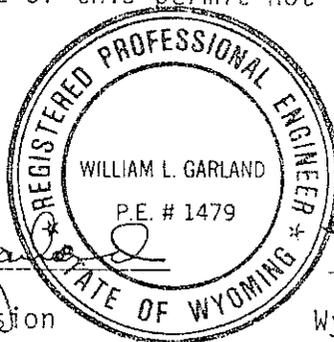
in the State of

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

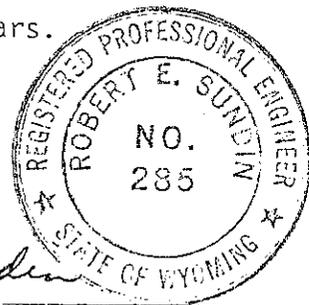
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sunden
Director
Wyoming Dept. of Environmental Quality



December 3, 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."

207-1
12/3/79

PERMIT TO CONSTRUCT

New

Permit No. 79-635

Renewal

Modified

BUCKSKIN WASTEWATER NO. 1 RESERVOIR

(Name of Facility)

This permit hereby authorizes the applicant:

Shell Oil Company

(Last)

(First)

(Middle)

P.O. Box 2099

(Street or P.O. Box)

Houston, Texas 77001

(City)

(County)

(State)

to construct, install, or modify a sedimentation pond

facility located in Section 32, T.52N., R.72W.

(Legal Description)

in the County of Campbell,

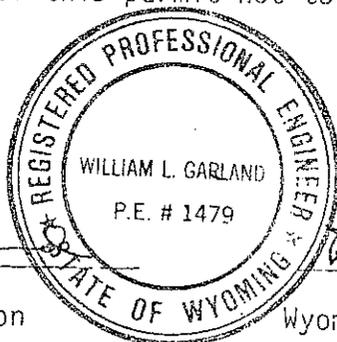
in the State of

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

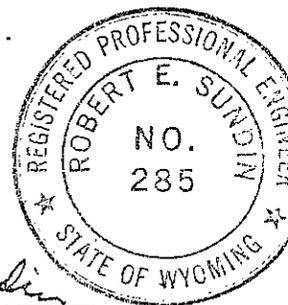
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



December 3, 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."

cc: Bruce Yates
VTN Wyoming, Inc.
330 North Main Street
Sheridan, Wyoming 82801

M-7-5
2-43

PERMIT TO CONSTRUCT

New

Permit No. 79-636

Renewal

Modified

BUCKSKIN WASTEWATER NO. 2 RESERVOIR
(Name of Facility)

This permit hereby authorizes the applicant:

Shell Oil Company
(Last) (First) (Middle)

P.O. Box 2099
(Street or P.O. Box)

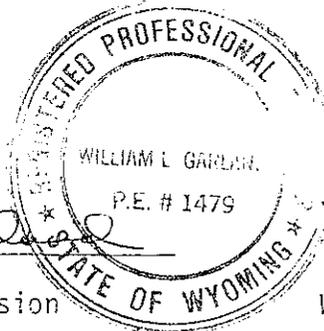
Houston, Texas 77001
(City) (County) (State)

to construct, install, or modify a sedimentation pond
facility located in Section 5, T.51N., R.72W.
(Legal Description)

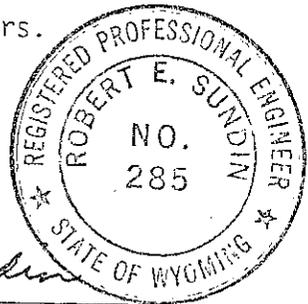
in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Gardner
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



December 3, 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."

Attn: VTN Wyoming
Bruce Yates

105
3-10-80

PERMIT TO CONSTRUCT

New

Permit No. 79-637RR

Renewal

Modified

Buckskin Sewage System No. 1
(Name of Facility)

This permit hereby authorizes the applicant:

Shell Oil Company, ATTN: C.R. Reiter
(Last) (First) (Middle)

Two Shell Plaza, P.O. Box 2099
(Street or P.O. Box)

Houston, Texas 77001
(City) (County) (State)

to construct, install, or modify a sewage treatment

facility located in Sec. 5, T.51N., R.72W.
(Legal Description)

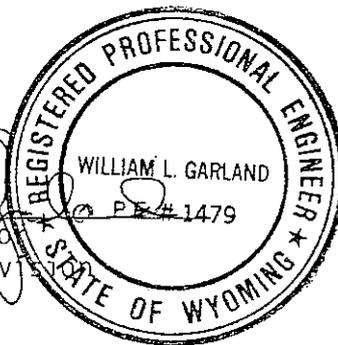
in the County of Campbell, in the State of

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

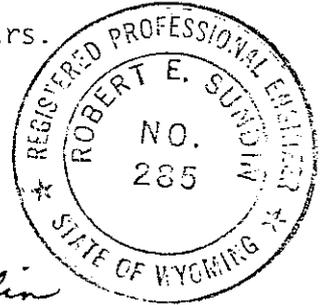
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



February 27, 1980
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."

Attn: VTN Wyoming
Bruce Yates

PERMIT TO CONSTRUCT

New

Permit No. 79-638RR

Renewal

Modified

Buckskin Sewage System No. 2
(Name of Facility)

This permit hereby authorizes the applicant:

Shell Oil Company, ATTN: C.R. Reiter
(Last) (First) (Middle)

Two Shell Plaza, P.O. Box 2099
(Street or P.O. Box)

Houston, Texas 77001
(City) (County) (State)

to construct, install, or modify a sewage treatment

facility located in Sec. 5, T.51N., 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

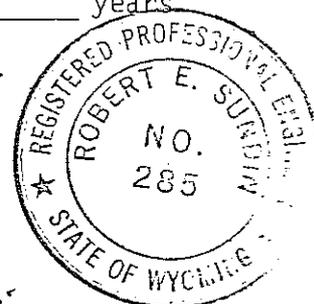
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Surdin
Director
Wyoming Dept. of Environmental Quality



February 27, 1980
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."

J. Keiper

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
30 East Grinnell
Sheridan, Wyoming 82801

PROJECT: 79-637, Buckskin Sewage System No. 1
79-638, Buckskin Sewage System No. 2

ARCHITECT OR ENGINEER: Bruce R. Yates
VTN Wyoming, Inc.
330 North Main Street
Sheridan, Wyoming 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 79-637^h and 79-638^k

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

DATE OF REVIEW: January 16, 19~~79~~⁸⁰

ACTION: Not Authorized for Construction

COMMENTS:

1. How will a quiescent settling area be provided in the last compartment? It is my understanding that each reactor is designed such that continuous mixing and aeration is to be provided. Is a timer for air supply control to be used? If so, provide details. If a separate quiescent compartment is to be provided, how will this compartment fit in such a small chamber in which the 4th reactor and a chlorine contact chamber are also to be provided?
2. The microfloc that need to be settled in the 4th chamber is considered very highly aerated and starving floc. These flocs usually do not compact nor settle very well. Therefore, it was believed that part of the manufacturer's intention to employ a tube settler in the quiescent area is to aid improvement of bioflocculation and settling of these light density sludge. Therefore, design engineer's determination to eliminate the tube settler should be adequately justified.
3. Address how a short circuiting will be prevented in the chlorination compartment. Also address the possibility of submergence of chlorination equipment in the 4th chamber resulting from flow variation and lack of level control of the effluent weir.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
30 East Grinnell
Sheridan, Wyoming 82801

PROJECT: Buckskin Sewage System No. 1 (79-637)
Buckskin Sewage System No. 2 (79-638)

ARCHITECT OR ENGINEER: Bruce Yates
VTN Wyoming, Inc.
330 North Main Street
Sheridan, Wyoming 82801



WATER QUALITY DIVISION REFERENCE NUMBER: 79-637 and 79-638

REVIEWING ENGINEER: ^{PK} Dan H. Kim, Tony Mancini, and Tom Mueller, P.E.

DATE OF REVIEW: November 26, 1979

ACTION: Not Authorized for Construction

COMMENTS:

General:

1. Will there be more water and/or sewer hookups to be added in the future to the currently proposed systems?
2. Are the presently proposed water hookups more than ten?

Saniloga Sewage Treatment Plants:

1. Plans of maintenance need to be provided.
2. Is this tank accessible from outside for maintenance?
3. In what manner and how often will the tube settler be cleaned?
4. Sewage effluent should be adequately disinfected. Provide details.

Lift Station:

1. More detailed information is needed as to the submersible pump. Is it a grinder pump? Is the pump easily removable for servicing without dewatering the wet well?
2. What are the size of pump suction and discharge pipe?
3. Provide ventilation details.

Review of Plans and Specifications

Luckskin Sewage System No. 1 (79-637)

Buckskin Sewage System No. 2 (79-638)

November 26, 1979

Page two

NOTE: This office decides not to require the installation of extra sludge stabilization equipment for the proposed package sewage treatment plant. The reason is that the flow to be treated is only minimal amount with moderate strength, consisting of the wastewater from an office building and auxiliary shower facility at the mine site. Since the subsequent sludge production is to be also minimal, it is considered justifiable to say that self-stabilizing process under the endogenous stage that will occur in the last two compartments of the plant reactors would be adequate in achieving desirable degree of sludge digestion without requiring extra sludge handling compartment.

It should be noted, however, that the above decision by no means implies the variations to the State's requirements for stabilization of sludge prior to ultimate disposal, originated from any sewage treatment plants, designed to treat domestic sewage from typical residential communities.

NOTE: Applications for construction of the eight (8) sedimentation ponds and two (2) wastewater reservoirs have been reviewed and accepted. Permits for those facilities are forthcoming.

cc: BRW/Noblitt, Inc.
W. Michael Taylor
1709 Carey
Cheyenne, WY 82001

11-1-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-639R

Gemic Enterprises Mobile Home Park
(Name of Facility)

This permit hereby authorizes the applicant:

Gemic Enterprises
(Last) (First) (Middle)

P.O. Box 248
(Street or P.O. Box)

Lingle, WY 82223
(City) (County) (State)

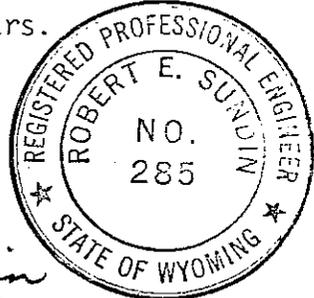
to construct, install, or modify a municipal distribution & collection system
facility located in Sec. 35, T27N, R66W
(Legal Description)

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
 STATE OF WYOMING

Robert E. Sundin

 Director
 Wyoming Dept. of Environmental Quality

October 29, 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."

Book
7-9-82-11

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~XXXXXXXXXXXXXX~~

Cheyenne, Wyoming 82002

PROJECT: Gemenic Enterprises Mobile Home Park, Platte Co.

ARCHITECT OR ENGINEER: W. Michael Taylor, BRW/Noblitt, Inc., 1709 Carey Ave.,
Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 79-639

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: October 17, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Sewer Line Construction

1. A letter of verification from the Town of Guernsey stating that the Town municipal wastewater treatment plant is capable of handling the added organic and hydraulic loading must be included with this application. (Paragraph 1.0, Page 9, Chapter III, Wyoming Water Quality Rules & Regulations.)
2. Riser pipe at each mobile home lot shall be protected by concrete at ground surface a minimum of four (4) inches thick and twelve (12) inches in diameter. The riser pipe shall terminate a minimum of four (4) inches above natural ground, standing water or surface water runoff, whichever elevation is highest. (Paragraph 1.8, Page 11, Wyoming Water Quality Rules & Regulations.)
3. Indicate deflection testing and maximum allowable deflection (5%) for flexible pipe.
4. Indicate concrete collar, as specified in paragraph 2.5.2 of the special specification section, on sewer/watermain crossing detail drawing.
5. What alignment tests will be accomplished? Describe test.

Water Line Construction

1. A letter of verification is required from the Town of Guernsey stating that they can adequately supply 350 gallons of drinking water per mobile home at the required pressure of 20 psi under all flow conditions.

Gemenic Enterprises Mobile Home Park
DEQ/WQD Ref. No. 79-639
October 17, 1979
Page two

2. What will be the operating water pressure in the mobile home park?
3. Each mobile home lot water riser is to terminate four (4) inches minimum vertical separation above natural ground, surface water, or runoff water, whichever is highest. The riser pipe shall be protected by a concrete apron. The water riser should be located a minimum of five (5) feet horizontally from a sewer riser.

PERMIT TO CONSTRUCT

M. L. ...
10-21

New

Permit No. 79-640

Renewal

Modified

Sewer Extension for Silver Century Addition
(Name of Facility)

An extension of permit #79-110RR
This permit hereby authorizes the applicant:

Prideaux, John
(Last) (First) (Middle)

1120 Elk Drive
(Street or P.O. Box)

Riverton, Wyoming 82501
(City) (County) (State)

to construct, install, or modify a sewage collection
facility located in Sec. 28, T. 1 N., R. 4 E.
(Legal Description)

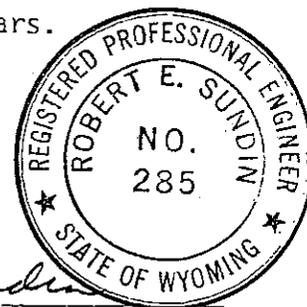
in the County of Fremont, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 16, 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."

THE STATE



OF WYOMING

79-641
M-10-17-79

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 16, 1979

Mr. Ted Gertsch
Gertsch/Baker & Associates
203 Grand Avenue
Laramie, WY 82070

Re: Alta Vista, Third Addition, DEQ/WQD Ref. No. 79-538R
Riverview, First Addition, Block 3, DEQ/WQD Ref. No. 79-641
Riverview, First Addition, Lots 1 & 2, Block 4, DEQ/WQD Ref. No. 79-642

Dear Mr. Gertsch:

The above referenced projects have been reviewed by this Division and their construction meets minimum State standards for sewer and water lines. Since a Permit to Construct cannot be issued for "as built" facilities, this letter will serve as the approval document.

Sincerely,

A handwritten signature in cursive script, appearing to read "LeRoy C. Feusner".

LeRoy C. Feusner, P.E.
District Supervisor
Water Quality Division

LCF/nc



Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 16, 1979

Mr. Ted Gertsch
Gertsch/Baker & Associates
203 Grand Avenue
Laramie, WY 82070

Re: Alta Vista, Third Addition, DEQ/WQD Ref. No. 79-538R
Riverview, First Addition, Block 3, DEQ/WQD Ref. No. 79-641
Riverview, First Addition, Lots 1 & 2, Block 4, DEQ/WQD Ref. No. 79-642

Dear Mr. Gertsch:

The above referenced projects have been reviewed by this Division and their construction meets minimum State standards for sewer and water lines. Since a Permit to Construct cannot be issued for "as built" facilities, this letter will serve as the approval document.

Sincerely,

A handwritten signature in cursive script, appearing to read "LeRoy C. Feusner".

LeRoy C. Feusner, P.E.
District Supervisor
Water Quality Division

LCF/nc

cc: Richard Reusser
P.O. Box 1104
Rawlins, WY 82301

11-27-79

PERMIT TO CONSTRUCT

New

Permit No. 79-643R

Renewal

Modified

Hanna Trailer Park

(Name of Facility)

This permit hereby authorizes the applicant:

Town of Hanna

(Last)

(First)

(Middle)

P.O. Box 99

(Street or P.O. Box)

Hanna,

WY 82327

(City)

(County)

(State)

to construct, install, or modify a trailer park water and sewer

facility located in Sec. 18, T22N, R81W

(Legal Description)

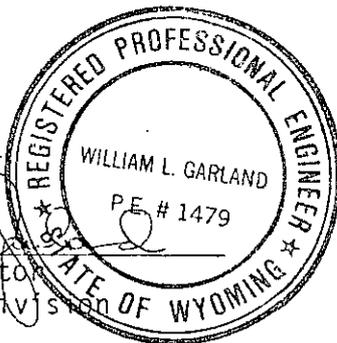
in the County of Carbon, in the State of

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

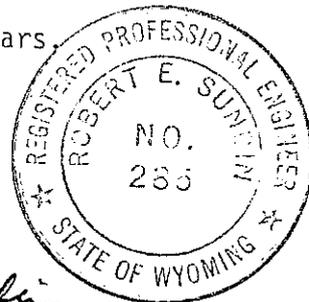
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



November 19, 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."

M-11-1-19

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
XXXXXXXXXXXXXXXXXXXXXXXXX Hathaway Bldg.
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Hanna Trailer Park, Town of Hanna, Hanna, WY, Carbon Co.

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

WATER QUALITY DIVISION REFERENCE NUMBER: 79-643

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

DATE OF REVIEW: October 25, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Water System

1. The water riser at each unit space should be located a minimum of five (5) feet horizontally from the sewer riser.
2. The water riser pipe shall be protected by a concrete apron or other approved methods.
3. Submit a sketch or brochure describing the frost proof yard hydrant for flushing the 2 inch water main.

Note: A stop-and-waste type hydrant is not acceptable.

4. The open end of any air relief pipe should extend from the pit to a point at least one foot above ground and be provided with a screened downward-facing elbow.
5. Specify that the maximum deflection in curved sections of the mains shall not exceed the levels set forth in Section 3.4 - Joint Assembly of AWWA Standard C600-77.

Sewer System

1. Specify that the lamping of any sewer between manholes shall show a perfect circle. Any section that fails the lamping test shall be checked for alignment and grade, and the necessary corrections made.

Hanna Trailer Park
DEQ/WQD Ref. No. 79-643
October 25, 1979
Page two

2. Specify that the maximum vertical deflection of any sewer pipe due to ovalation shall not exceed 5% of the internal pipe diameter.

General

Incorporate in the specifications the attached "Requirements for Horizontal and Vertical Separation Between Water and Sewer Mains" of this Division.

Enclosure

DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
HATHAWAY BUILDING
CHEYENNE, WYOMING 82002

REQUIREMENTS FOR HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER AND SEWER MAINS

I. Parallel Installation

A. Normal Conditions

Water mains shall be laid at least 10 feet horizontally from any sanitary sewer, storm sewer or sewer manhole, whenever possible; the distance shall be measured edge-to-edge.

B. Unusual Conditions

When local conditions prevent a horizontal separation of 10 feet, a water main may be laid closer to a storm or sanitary sewer provided that:

1. the bottom of the water main is at least 18 inches above the top of the sewer;
2. where this vertical separation cannot be obtained, the sewer shall be constructed of materials and with joints that are equivalent to water main standards of construction and shall be pressure tested to assure watertightness prior to backfilling.

II. Crossings

A. Normal Conditions

Water mains crossing house sewers, storm sewers or sanitary sewers shall be laid above the sewers to provide a separation of at least 18 inches between the bottom of the water main and the top of the sewer, whenever possible.

B. Unusual Conditions

When local conditions prevent a vertical separation as described in "A" above, the following construction shall be used:

1. sewers passing over or under water mains shall be constructed of materials described in "B.2." above for a horizontal distance of at least 10 feet on each side of the crossing;

II. Crossings (Continued)

B. Unusual Conditions (Continued)

2. water mains passing under sewers shall, in addition, be protected by providing:
 - a. A vertical separation of at least 18 inches between the bottom of the sewer and the top of the water main;
 - b. adequate structural support for the sewers to prevent excessive deflection of joints and settling on and breaking the water mains;
 - c. that the length of water pipe be centered at the point of crossing so that the joints will be equidistant and as far as possible from the sewer.

cc: Robert Jack Smith & Associates
P. O. Box 1104
Rawlins, WY 82301
ATTN: Paul McCarthy

M to E
10-22-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-644

Riner Road Compressor Station
(Name of Facility)

This permit hereby authorizes the applicant:

City Services Gas

(Last) (First) (Middle)

P. O. Box 25128

(Street or P.O. Box)

Oklahoma City
(City)

Oklahoma
(County)

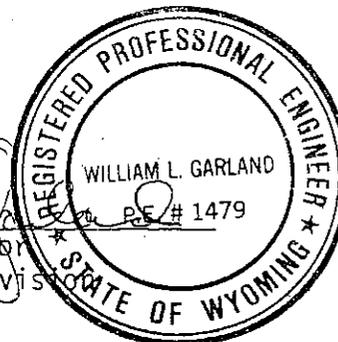
73125
(State)

to construct, install, or modify a septic tanks - evapotranspiration beds
facility located in Section 34, T. 21N., R. 90W.
(Legal Description)

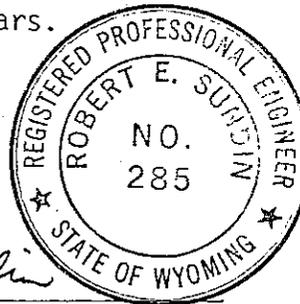
in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 11, 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."

cc: C. K. Wolz
933 W. 14th St.
Casper, WY 82601

B-10-10-79-39

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-645

Dav-Car Homes Warehouse

(Name of Facility)

This permit hereby authorizes the applicant:

Dav-Car Homes

(Last)

(First)

(Middle)

(Street or P.O. Box)

Glenrock,

WY 82637

(City)

(County)

(State)

to construct, install, or modify a industrial subsurface disposal

facility located in Sec. 34, T34N, R80W
(Legal Description)

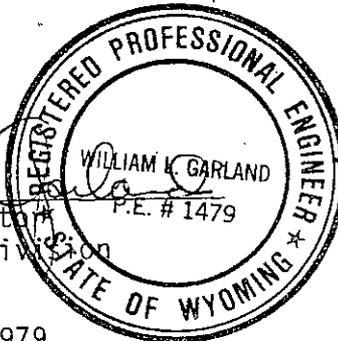
in the County of Natrona, in the State of

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

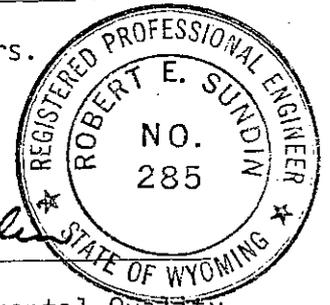
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 16, 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."

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

4-4-84



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

April 3, 1984

Casper Board of Public Utilities
200 North David
Casper, WY 82601

Dear Sir:

On March 13, 1984, a status letter was sent to you concerning a permit to construct, reference number 79-646R, facility name Paradise Valley Sewage System Modification. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and punishable with fines not to exceed \$10,000 per day of violation. If this project has already been constructed, it is your responsibility to immediately contact this office for further instruction. If you wish to reconsider construction of this facility, then application procedures pursuant to Chapter III, Water Quality Rules & Regulations, must be followed.

Sincerely,

LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

LCF/nc

cc: Donald Armstrong, Tudor Engineering, 450 S. Fed. Blvd., Riverton, WY 82501
Paradise Valley Water & Sewer District, 109 Marigold Dr., Casper, WY 82601



RECEIVED MAR 15 1984

ED HERSCHLER
GOVERNOR

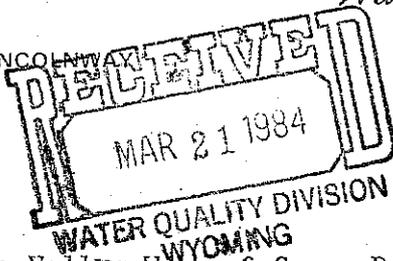
Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLN AVENUE

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781



March 13, 1984

Paradise Valley Water & Sewer District
109 Marigold Drive
Casper, WY 82601

Dear Sir:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility name:	Paradise Valley Sewage System Modification (Oxidation Ditch)
DEQ/WQD Reference Number:	79-646R
Engineering Consultant:	Donald L. Armstrong, Tudor Engineering
DEQ/WQD Reviewing Engineer:	LeRoy C. Feusner
Date of DEQ/WQD Review:	January 29, 1980

Please indicate below the status of your application and return this form to our office:

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- Other remarks _____

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,



LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

cc: Donald L. Armstrong
Tudor Engineering
450 South Federal Blvd.
Riverton, WY 82501

✓ Casper Board of Public Utilities
200 North David
Casper, WY 82601



Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

March 13, 1984

Paradise Valley Water & Sewer District
109 Marigold Drive
Casper, WY 82601

Dear Sir:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility name:	Paradise Valley Sewage System Modification (Oxidation Ditch)
DEQ/WQD Reference Number:	79-646R
Engineering Consultant:	Donald L. Armstrong, Tudor Engineering
DEQ/WQD Reviewing Engineer:	LeRoy C. Feusner
Date of DEQ/WQD Review:	January 29, 1980

Please indicate below the status of your application and return this form to our office:

The application will not be resubmitted as the proposed project has been cancelled.

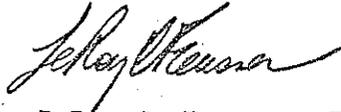
The application will be resubmitted within 30 days.

The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.

Other remarks _____

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,



LeRoy C. Feusner, P.E.
Southeast District Supervisor
Water Quality Division

cc: Donald L. Armstrong
Tudor Engineering
450 South Federal Blvd.
Riverton, WY 82501

Casper Board of Public Utilities
200 North David
Casper, WY 82601

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: Paradise Valley Sewage System Modification, Natrona Co.

ARCHITECT OR ENGINEER: Don Armstrong, Tudor Engineering Company, 450 S. Federal Blvd., Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 79-646

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: November 6, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Reference attached Paradise Valley Water & Sewer District and Casper Board of Public Utilities letter, dated October 26, 1979. The Department cannot issue a Permit to Construct for the proposed facility until written verification is received from the local public utility stating that they are capable of handling the added organic and hydraulic loading. Additionally, we will require written correspondence from the above utilities indicating that they have reviewed and approve of the proposed oxidation ditch construction.
2. The existing lagoon discharge parameters of 30 mg/l, BOD₅ and suspended solids, will continue after the oxidation ditch is installed. See Federal Register, paragraph 133.103, Special Considerations, attached. Design and/or operational parameters should consider these parameter discharge requirements under the NPDES system.
3. The depth of the final clarifier must be sufficient to permit the development of a sludge blanket, especially if it is possible that sludge may bulk. The side water depth should be no less than 14 feet for a MLSS of 6000 mg/l. The depth of interface between clarified wastewater and the top of the sludge blanket should be designed to be no less than about 4-5 feet below the effluent weirs, and the sludge blanket should be no thicker than 3-4 during normal operation. Also the peak overflow rate for the clarifier may be a little high (975 gpd/ft²) for an average MLSS of 6000 mg/l. It may be more desirable to design the size of the clarifier for a peak overflow rate of about 650 gpd/ft². Please comment on your design.

Paradise Valley Sewage System Modification
DEQ/WQD Ref. No. 79-646
November 6, 1979
Page two

4. Recommend that flow measurement instrumentation with recorders be installed on the oxidation ditch influent, return activated sludge, waste activated sludge, and ditch effluent lines to provide better operator control.
5. Consideration should be given in the aerobic digester to segregation of the oxidation ditch and Walker unit sludges. Stabilization of two differently aged sludges in one digester unit may present operational problems. Please discuss.
6. What is the groundwater depth in the proposed oxidation ditch/clarifier construction area? What provisions will be made for any groundwater, if present, problems encountered during construction?

October 26, 1979



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

Dear Mr. Garland:

We have been asked by Mr. Leroy Feusner of your department to review the plans for Phase II involving certain proposed improvements for the Paradise Valley wastewater plant. We have also been requested by Kim Collins of Mountain States Properties to advise you that water and sewer service will be provided to the remaining 118 lots of the Platte View Bluffs subdivision. Your permit number 79-463 authorized the construction of water and sewer lines for these 118 lots provided that no houses are built until the developer has received written approval from the Department of Environmental Quality.

Please be advised that the Paradise Valley Water and Sewer District has not authorized engineering or any other work on Phase II and does not plan to pursue any such project until Phase I work has been entirely completed and evaluated. Paradise Valley Water and Sewer District and the Casper Board of Public Utilities are not at this time in a position to make a commitment to serve the additional 118 lots in Platte View Bluffs.

Yours very truly,

PARADISE VALLEY WATER &
SEWER DISTRICT

Handwritten signature of Dick Reitz in cursive.

Dick Reitz
President

CASPER BOARD OF PUBLIC UTILITIES

Handwritten signature of Sam Hobbs in cursive.

Sam Hobbs
Utility Director

CC: Kim Collins, Mountain States Properties
Leon Norris, City of Casper Building Inspector
Don Armstrong, Tudor Engineering

PERMIT TO CONSTRUCT

New

Permit No. 79-647R

Renewal

Modified

PSO #1 COUNTY ROAD RESERVOIR — ASH CREEK MINE
(Name of Facility)

This permit hereby authorizes the applicant:

Central & Southwest Fuels, Inc. Attention: James Carroll
(Last) (First) (Middle)

P.O. Box 10773
(Street or P.O. Box)

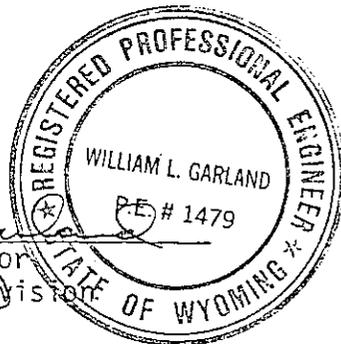
Golden, Colorado 80401
(City) (County) (State)

to construct, install, or modify a surface runoff control pond
facility located in Section 22, T.58N., R.84W.
(Legal Description)

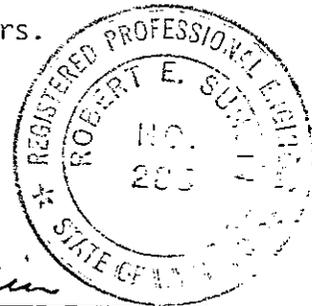
in the County of Sheridan, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Surin
Director
Wyoming Dept. of Environmental Quality



March 18, 1980
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
30 East Grinnell
Sheridan, Wyoming 82801

PROJECT: PSO #1 County Road Reservoir - Ash Creek Mine

ARCHITECT OR ENGINEER: James Carroll
Central and Southwest Fuels, Inc.
P.O. Box 10773
Golden, Colorado 80401

WATER QUALITY DIVISION REFERENCE NUMBER: 79-647

REVIEWING ENGINEER: Dan H. Kim, Tony Mancini, P.E.

DATE OF REVIEW: November 28, 1979

ACTION: Not Authorized for Construction

COMMENTS:

1. Design calculations as to sediment storage volume are needed. The use of the Universal Soil Loss Equation and sediment delivery ratio is recommended.
2. Methods to clean up the sediments and to visually determine the elevation of sediment cleaning should be provided.
3. Address how the sides of dam embankment are to be protected from erosion, particularly near the north portion of the dam where the runoff flow is to be introduced.
4. Specifications of dam construction, i.e., compaction, foundation, etc., are needed.
5. Is the 2-inch outlet valve operable from the top of the dam?
6. There is not sufficient information provided for the Little Young's Creek Diversion Canal. Such data as hydraulic design data, slope, velocity, material, etc., are needed.

Newman for your info.

Memo

To Tom Mueller

From T. Mancini

Date 11/1/79

Subject 79-647

There isn't much for me to review or comment on. John W. says a discharge permit is not needed as long as the operation proceeds as described.

I ask the following, because I can't determine "yes" or "no":

1. Are you satisfied that the sediment storage volume is adequate?
2. Do you believe the runoff from a 25-year, 24-hour precipitation event can be safely discharged?
3. Is the structure, including foundation, adequate?

cc: Ray Melillo
290 Church Hill/Hubbard Rd.
Youngstown, Ohio 44505

PERMIT TO CONSTRUCT

New

Permit No. 79-648R

Renewal

Modified

GILLETTE MALL
(Name of Facility)

This permit hereby authorizes the applicant:

Developers Diversified

(Last)

(First)

(Middle)

1450 South Havana Street, Suite 300

(Street or P.O. Box)

Aurora, Colorado 80012

(City)

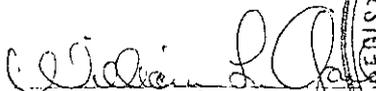
(County)

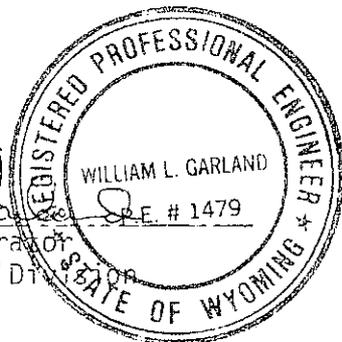
(State)

to construct, install, or modify a water distribution and sewage collection
facility located in Section 34, 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 two (2) years
from the date of issuance of this permit not to exceed five (5) years.

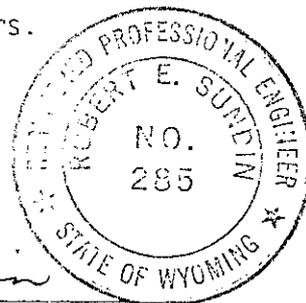
AUTHORIZED BY:


Administrator
Water Quality Division





Director
Wyoming Dept. of Environmental Quality



January 10, 1980
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."

cc: John E. Parks
3001 Henderson Dr.
Cheyenne, WY 82001

M
11-1-79

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 79-649

Margie C. Sterling Warehouse
(Name of Facility)

This permit hereby authorizes the applicant:

Sterling, Margie C.
(Last) (First) (Middle)

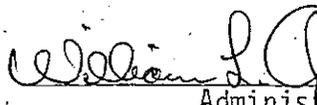
P.O. Box 293
(Street or P.O. Box)

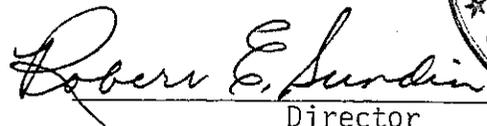
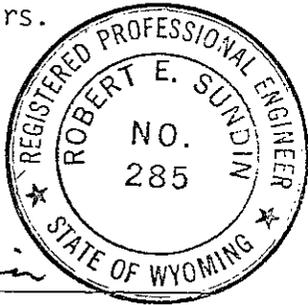
Cheyenne, WY 82001
(City) (County) (State)

to construct, install, or modify a commercial wastewater disposal system
facility located in Sec. 29, T13N, R66W
(Legal Description)

in the County of Laramie, 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
 P.E. # 1479



 Robert E. Sundin
 Director
 Wyoming Dept. of Environmental Quality


October 29, 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

1182

New

Permit No. 79-650R

Renewal

Modified

Insulation Inc. Warehouse Wastewater Disposal System
(Name of Facility)

This permit hereby authorizes the applicant:

Driggs Donald _____
(Last) (First) (Middle)

P. O. Box 2205
(Street or P.O. Box)

Rock Springs, WY 82901
(City) (County) (State)

to construct, install, or modify a septic tank/leach field

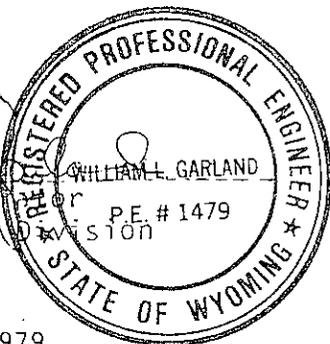
facility located in Section 9, T. 19N., R. 105W.
(Legal Description)

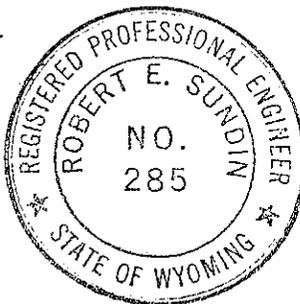
in the County of Sweetwater, in the State of

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

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

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


December 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."



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

November 1, 1979

Insulation, Inc.
P. O. Box 2205
Rock Springs, WY 82901

Re: Warehouse Septic Tank - Leach Field, 79-650

Dear Sir:

This department has received copies of the plans for the above said system. They cannot be reviewed at this time. The Wyoming Water Quality Rules and Regulations, 1976, Chapter III requires that the plans carry the seal or signature of an engineer registered in the state of Wyoming. Your plans will not be reviewed until this is done.

Please realize that the Environmental Quality Act of 1974 provides for severe penalties for construction without a "Permit to Construct."

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

Sincerely,

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

DAVID W. HILL
District Engineer

DWH/ms

Enclosure

