2-4-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-1

Black Butte Coal Co.
(Name of Facility)

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

Black Butte Coal Co.

PO Box 98

Point of Rocks, WY 82942

to construct, install, or modify a

settling pond SP-F9

facility according to the procedures and conditions of the application No. 82-1. The facility is located in

Sec. 4, T18N, R100W

in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND P.E. # 1479 STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

January 20, 1982
Date of Issuance

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

AB:ch

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET LANDER, WYOMING 82520 TELEPHONE 307-332-3144

December 3, 1982

The Honorable Cindy Lou Bartlett
Mayor, City of Bairoil
PO Box 58
Bairoil, WY 82322

RE: Bairoil Water System Improvements, 82-2R

Dear Mayor Bartlett:

It was a pleasure for Jack and I to have met Paul and you on November 23 during our inspection of the City's water and sewerage facilities.

In regards to Bairoil's water system, this letter will serve as "as built" authorization for those improvements. However, because of the depth and construction of the Able Creek Well No. 3, it is required that chlorination be performed on all of the City's water supply.

Concerning the sewage lagoons, I have no specific recommendations. However, please note the recommendations I have made to Amoco in the attached letter. Also, I would like to bring your attention to the required groundwater monitoring near the three cell lagoon system. The attached memo outlines those parameters which neeed to be monitored quarterly with the results sent to this office.

To perform good monitoring it is essential to obtain representative samples and properly preserve them for analysis. Your laboratory can provide you with bottles containing proper preservatives for each test. It is important to not overfill pre-preserved bottles and to avoid touching their inner surfaces. Also, prior to sampling, each of the wells should be measured for depth to water and bailed out until fresh samples can be obtained.

Should you have questions, please contact either Jack or me.

Respectfully,

Albert J. Berreth

Albert J. Berreth
Area III Supervisor

AJB:ch
Enclosures (3)
cc: Paul Vondrasek
Cheyenne DEQ/WQD
Amoco, Bairoil-Don Adams
File (2)

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET LANDER, WYOMING 82520 TELEPHONE 307-332-3144

June 3, 1982

CERTIFIED MAIL

J. D. Cutter
Amoco Prod. Co.
PO Box 2520
Casper, WY 82601

RE: Town of Bairoil Water and Sewer System Modifications, DEQ #82-2

Dear Mr. Cutter:

The purpose of this letter is to put into writing our telephone conversation on this date.

A reply to my February 10, 1982 review letter (copy enclosed) is required as soon as possible and no later than July 1, 1982. In regard to the groundwater study, please include all of the groundwater data that has been collected to date with your reply.

In an effort to resolve this matter quickly, I would like to suggest that a meeting be arranged between Amoco representatives, ARIX Engineering and myself when your reply is ready. Please contact me at this office to make the necessary arrangements.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:ch
Enclosure

cc: Cheyenne DEQ/WQD
Mayor Cindy Lou Bartlett-Town of Bairoil
S. Clay McAlpine-ARIX, Inc.
File (2)

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 Lincoln
LANDER, WYOMING 82520

PHONE: (307) 332-3144

FEB RECEIVED WATER QUALITY DIVISION WYOMING

Sur. Fre.

CERTIFIED MAIL

PROJECT: TOWN OF BAIROIL

ENGINEER: S. Clay McAlpine
ARIX, Inc.
609 E. Madison
Riverton, WY 82501

OWNER: Mayor Cindy Lou Bartlett
Town of Bairoil
PO Box 58
Bairoil, WY 82322

WATER QUALITY DIVISION REFERENCE NUMBER: 82-2

REVIEWING ~~ENGINEER~~ EVALUATOR: Frank LaBarge

DATE OF REVIEW: February 10, 1982

ACTION: ~~XXXXXXXXXXXXXX~~ "As Builts" - Not Approved

COMMENTS: This office and the groundwater section in Cheyenne have reviewed the "as built" plans submitted for the South Lagoon System, Abel Creek Well No. 3 and the water storage tanks. Before any deicsions can be made on what modifications will be needed to bring the systems into compliance with state standards, the following additional "as built" information is needed.

Sewage Lagoons

1. The following comments were received from our groundwater section and need to be addressed:

   From the single groundwater analysis provided there exists surprisingly good quality shallow alluvial water. Of the 31 parameters analyzed it missed Class I standards on only 2 parameters. TDS was 526 mg/l (vs. 500 Class I standard) and manganese was 0.13 mg/l (vs. 0.05 Class I standard).

   Further groundwater data is needed to protect this possibly Class I aquifer. The direction of groundwater flow must also be firmly established. I recommend holding off on the decision to line lagoon number 3 until this additional data is obtained.

AC

This data will definitively establish the shallow aquifer classification as well as the impact of the existing lagoons.

As per the above suggestion no decision on the need for a liner in Cell #3 will be made until this additional data is received.

2. Dike slopes and top widths are needed.

3. A brief description is needed of how the dikes of Cell #3 were constructed (i.e. material, compaction, etc.).

4. All warning signs that are presently in place should be included on the plans.

5. The surcharging of the South Line should be checked into. From the elevations provided, it appears this line shouldn't surcharge to the depth indicated. Could it be partially plugged?

Water System

6. Has a permit been located for the water storage tanks? As I previously stated we have been unable to located one. It a permit can be found and the existing tanks, piping, etc., have been installed according to the approved plans, then only the new well needs to be addressed. If a permit cannot be located, then complete "as builts" of the storage system will be needed. Please refer to the Ten State Standards for the information needed. In addition, complete "as built" drawings are needed of the new well and associated pumps, piping and material specifications.

7. A review of the water analysis run on Abel Creek Well #3 indicates that all of the parameters that were run are well within the Primary Drinking Water Standards; however, it appears silver was not tested for. Since silver appears on the list of Primary Drinking Water Standards, I am requesting the well be tested for the parameter.

The above request information is needed, in triplicate, within thirty (30) days of your receipt of this letter. It may be advantageous to arrange a meeting to discuss exactly what is needed in detail. If you would like to meet, please contact me to make the necessary arrangements.

I would like to point out at this time that the engineer's calculations indicate that Cell #1 is organically overloaded. My review indicates that both Cells 1 and 2 are overloaded. Some method of allevating the overloading of these cells is required. The method of resolving this problem is left up to the consultant.

cc: Cheyenne DEQ/WQD
Bill Ewen - Groundwater Section, Cheyenne DEQ/WQD
Robert Adams - Amoco Production Co. - Certified Mail

2-17-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-3R

Big Horn Construction Temporary Holding Pit
(Name of Facility)

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

Big Horn Construction Company

PO Box 2206

Rock Springs, WY 82901

to construct, install, or modify a temporary holding pit facility according to the procedures and conditions of the application No. 82-3R. The facility is located in Sec. 9, T20N, R101W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
P.E. # 1479
STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

January 27, 1982
Date of Issuance

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

FL:ch

U

Water Quality Division
Groundwater Section
Permit Application Review

Returned to Lander

Application Number 82-3

Date submitted for review 1-12-82

Name and location of facility Big Horn Const Co.
P.O. Box 2206
Rock Springs, Wy 82901

I have reviewed the plans and specifications with regard to all aspects of groundwater quality and find the following:

☒ No comment. The submittal is consistent with current groundwater protection procedures and requirements.

☐ Comments attached.

Signed Richard Lemmon
Title Eng Eval
Date 1-12-82

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Big Horn Construction Temporary Holding Pit

ENGINEER: Robert Carlson
Nelson Engineering
PO Box 100
Green River, WY 82935

OWNER: Big Horn Construction Co.
PO Box 2206
Rock Springs, WY 82901

WATER QUALITY DIVISION REFERENCE NUMBER: 82-3

REVIEWING ~~EXXXXXXX~~ EVALUATOR: Frank LaBarge

DATE OF REVIEW: January 14, 1982

ACTION: Not authorized.

COMMENTS: A review of your application has been completed. Before a permit can be approved, the following points need to be resolved.

1. Details are needed of the point of diversion from the evaporation pond.

2. The pump needs to be specified.

3. Details are needed of pipe inlet into the holding pond.

4. Details are needed of how the water will be pumped from the holding pond to the trucks, such as point of withdrawal, truck loading area, etc.

Please submit the required information, in triplicate, to this office. Upon receipt of a satisfactory reply, a Permit to Construct will be approved. If you have any questions, please call me.

FL/db

ABC

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET LANDER, WYOMING 82520 TELEPHONE 307-332-3144

April 20, 1982

Mr. Steve Reiber
Eckhoff, Watson & Preator
1790 South West Temple
Salt Lake City, UT 84115

RE: Urie Facilities, DEQ #82-4

Dear Mr. Reiber:

As per your written request of April 12, 1982, the above referenced application has been withdrawn from our records. One copy of the application is being retained for our records, the other two copies are being returned to you with this letter.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:ch
Enclosure
cc: Cheyenne DEQ/WQD
File

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET LANDER, WYOMING 82520 TELEPHONE 307-332-3144

March 12, 1982

MAR 1 RECEIVED WATER QUALITY DIVISION WYOMING

Mr. Steve Reiber
Echoff, Watson & Preator, Inc.
1798 Southwest Temple
Salt Lake City, UT 84115

RE: Urie Wastewater Collection and Treatment Facilities, DEQ #82-4

Dear Mr. Reiber:

As of this date I have not received a reply to my review letter of the above referenced application. Please inform me in writing of when a reply can be expected or if the project has been abandoned.

If the project has been abandoned, your application will be removed from our files and the plans returned to you at your request.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:ch

cc: Cheyenne DEQ/WQD
File

EWP

April 12, 1982

APR 1982
RECEIVED
WATER QUALITY
DIVISION
WYOMING

Mr. Francis LaBarge
Dept. of Env. Quality
Water Quality Division
210 Lincoln Street
Lander, Wyoming 84115

Re : Urie Facilities, DEQ #82-4

Dear Frank:

As of this date it is unclear whether funding for the Urie project can be obtained. As a result, we would request that you remove the Urie application from the approval process and return the plans that we had submitted.

We greatly appreciate the timely manner in which you responded to our request for a review. We are sorry that it appears that the project will not go forward as we had originally hoped. Nontheless, we are grateful for the efficient and professional manner in which you handled the regulatory aspects of this project.

Sincerely,

ECKHOFF, WATSON AND PREATOR ENGINEERING, INC.

Steve Reiber

Steve H. Reiber,
Engineer

1798 So. West Temple
Salt Lake City, Utah 84115
(801) 486-5621

Eckhoff, Watson and Preator
Engineers — Planners — Surveyors

Salt Lake City, Utah
Cedar City, Utah
Price, Utah

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 Lincoln
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Urie Wastewater Collection and Treatment Facilities

ENGINEER: Steve Reiber
Eckhoff, Watson & Preator, Inc
1798 South West Temple
Salt Lake City, UT 84115

OWNER: Urie Water and Sewer District
c/o Mr. John Fanas
Urie, WY

WATER QUALITY DIVISION REFERENCE NUMBER: 82-4

REVIEWING ~~XXXXXXXX~~ EVALUATOR: Frank LaBarge

DATE OF REVIEW: January 20, 1982

ACTION: Not authorized.

COMMENTS: A review of your application has found it to be incomplete. Technically, incomplete application are not accepted for review; however, in an effort to co-operate with you, a preliminary review has been made and my findings listed below. Be adivsed these comments are general in nature and are not to be construed as final. A detailed review will be made upon receipt of a complete application.

1. The "Application for Permit to Construct" needs to be signed and dated.

2. An NPDEA permit application number is needed on the "Application for Permit to Construct."

3. The proposed package plant capabilities cannot be evaluated until the NPDES discharge permit limitations have been established.

4. Sewer line profiles are needed.

5. Service line details are needed.

APC

6. The interceptor sewer lines design criteria given in Table II should include the number of units to be served by each line so the line capacities can be verified. The design of the collectors and laterals needs to be addressed also. It appears a peaking factor of 4 should be used in the design.

7. What type of sewer pipe is to be used for the mains, collectors, lateral and service lines?

8. Verification is needed that the proposed lines will be deep enough to accept sewage from homes with basements.

9. Any waterline crossings should be shown on the sewer plan and profile views.

10. Lift station design calculations are needed which address cycle time, level settings, etc.

11. The lift station pump curves should include a system curve.

12. Lift station pump operation should alternate.

13. Detailed plans are needed of the lift station which comply with Ten State Standards (i.e. check valves, ventilation, access, etc.).

14. A method of emergency operation is needed for the lift station.

15. Force main calculations are needed. The following items should also be addressed:

    - profile
    - thrust blocking
    - air relief
    - termination
    - design pressure
    - pipe designation and class
    - separation from water mains
    - identification

16. What is the depth to groundwater in the area of the proposed plant? Will bouyancy be a problem?

17. Details are needed of the chlorine feed and water return line connections for the chlorination system.

18. A method of detecting chlorine leaks needs to be addressed.

19. Verification is needed that the ventilation system in the chlorine room can provide one complete air change per minute. One should be able to turn on the fan without entering the room.

20. Are any of the proposed facilities located in a flood plain?

21. A certified plant operator will be needed.

22. Complete specifications are needed for all installations and materials.

If you have any questions concerning these comments, please call me.

FL:ch

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

November 29, 1982

DEC 1982
RECEIVED
WATER QUALITY
DIVISION
WYOMING

Mr. Greg Heseth
Rocky Mountain Log Homes
Box 4141
Gillette, Wyoming 82716

Dear Mr. Heseth:

Our records indicate the application for a permit to construct the Eagles Lodge septic system, DEQ Reference Number 82-5, has not been resubmitted to this office. Please indicate below the status of the application.

✓ The application will not be resubmitted. The application is to be removed from DEQ files.

_____ The application will be resubmitted within 30 days.

_____ The facility has been constructed, or is under construction.

_____ Other remarks _____.

If this letter is not returned within 30 days, the application will be removed from our files.

Sincerely,

Lea Stoneburner

Lea Stoneburner
Administrative Assistant

ls

Attachment: Review of Plans dated February 2, 1982.

xc: Clifford Craft, w/attachment
CBC, Inc.
P.O. Box 2530
Gillette, Wyoming 82716

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

December 3, 1982

Mr. Greg Heseth
Rocky Mountain Log Homes
Box 4141
Gillette, Wyoming 82716

Dear Mr. Heseth:

In accordance with your notification, we have withdrawn from our files your application for a permit to construct the Eagles Lodge septic system. Enclosed are plans, etc., originally submitted to our office.

Sincerely,

Lea Stoneburner

Lea Stoneburner
Administrative Assistant

ls

Enclosures

NORMA

follow-up

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING, 82801

TELEPHONE 307-672-6457

June 28, 1982

RECEIVED
JUN 29 1982
WATER QUALITY DIVISION
WYOMING

Mr. Greg Heseth
Rocky Mountain Log Homes
Box 4141
Gillette, Wyoming 82716

RE: ~~DEQ Permit~~ to Construct,
No. 82-5

Dear Mr. Heseth:

I have received no response to my enclosed plan review of February 2, 1982, for the Eagles Lodge Septic System. I have phoned you several times without luck. Please let me know the status of this project as soon as possible.

Sincerely,

Rich Ruyle

Rich Ruyle
Environmental Engineer

RR:ls

Attachment

xc: Norma Coulson

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 Coffeen Ave., Suite 301
Sheridan, Wyoming 82801

PROJECT: Eagles Lodge Septic System

ARCHITECT OR ENGINEER: Clifford Craft
CBC, Inc.
Box 2530
Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 82-5

REVIEWING ENGINEER: Rich Ruyle RR

DATE OF REVIEW: February 2, 1982

ACTION: Not Authorized

COMMENTS:

1. Complete design calculations are needed for the septic system. How was the volume of wastewater and the needed disposal area calculated?

2. What is the lodge used for? Is it a restaurant, motel, meeting place?

3. Is the disposal facility a leach field (trench system) or leach bed? If a trench system, how wide are the trenches?

4. A detailed plan view drawing is needed showing the leach field drain lines and the distance to any water lines, water wells, waterways, and property lines in the area. The plot plan is not sufficient. A septic tank detail sheet and a leach field detail sheet are also needed. Each drawing and the calculations should have a professional engineer's stamp or signature.

5. Is the parking lot blocked off to prevent vehicles from driving on the septic system?

6. Three copies of all submittals are needed.

Feel free to call me with questions.

xc: Mr. Gregory A. Heseth
Rocky Mountain Log Homes
Box 4141
Gillette, WY 82716

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 Coffeen Ave., Suite 301
Sheridan, Wyoming 82801

PROJECT: Eagles Lodge Septic System

ARCHITECT OR ENGINEER: Clifford Craft
CBC, Inc.
Box 2530
Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 82-5

REVIEWING ENGINEER: Rich Ruyle RR

DATE OF REVIEW: February 2, 1982

ACTION: Not Authorized

COMMENTS:

1. Complete design calculations are needed for the septic system. How was the volume of wastewater and the needed disposal area calculated?

2. What is the lodge used for? Is it a restaurant, motel, meeting place?

3. Is the disposal facility a leach field (trench system) or leach bed? If a trench system, how wide are the trenches?

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5. Is the parking lot blocked off to prevent vehicles from driving on the septic system?

6. Three copies of all submittals are needed.

Feel free to call me with questions.

3-5-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-6R

Meadowlark Park
(Name of Facility)

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

Wyoming State Hospital

PO Box 177

Evanston, WY 82930

to construct, install, or modify a water distribution and sewage collection systems

facility according to the procedures and conditions of the application No. 82-6R. The facility is located in

Sec. 22, T15N, R120W

in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND P.E. # 1479 STATE OF WYOMING

William L. Garland
Administrator
Water Quality Division

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

Robert E. Sundin
Director
Dept. of Environmental Quality

February 17, 1982
Date of Issuance

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

AJB:ch

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING 82520

PROJECT: WYOMING STATE HOSPITAL - MOBILE HOME PARK
OWNER: Wyoming State Hospital ATTN: Dayle E. MacDonald
Box 177
Evanston, WY 82930
ARCHITECT OR ENGINEER: ARIX Attn: Dave Nelson
1815 S. State Suite 100
Orem, Utah 84057
WATER QUALITY DIVISION REFERENCE NUMBER: 82-6

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: January 11, 1982

ACTION: Not Authorized

COMMENTS: Before a permit can be issued the following items need to be addressed.

1. Normally we require six feet of cover on all waterlines.

2. Dead end waterlines need to have a blow-off connection.

3. Please show waterline thrust blocking.

4. The 10" sewerline cannot have a slope less than 0.28% unless section 24.32 of "Ten-States" is met. The 10" line on sheet 1 is shown at 0.24%.

5. Sewerlines less than 15 inches in diameter should not have manholes spaced greater than 400 feet.

6. Water and sewer risers should be installed per Chapter III of Wyoming Water Quality Rules and Regulations.

7. At what slope are the sewer service lines laid?

8. Please note manhole rim elevations.

9. A letter from the City of Evanston confirming water and sewer service needs to be provided.

10. If the City will operate this system, they must review it. Please contact the City Engineer, Wayne Shepherd.

.../2

ABC

11. Please provide an estimate of sewage flow for the fully developed area. Also please justify waterline sizing.

12. Normally a waterline profile is required.

13. It is not entirely clear where 8 and 6 inch waterline is to be installed.

14. The drawings need to be stamped or signed by a Wyoming registered engineer.

15. Please detail waterline connection.

16. Three copies of the final drawings and completed application forms are needed.

AB:dl
CC: Wayne Shepherd
Cheyenne DEQ/WQD
File (4)
Attached: Application forms and Chapters 3 and 11, old and new

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN LANDER, WYOMING 82520 TELEPHONE 307-332-3144

January 19, 1982

Dayle E. MacDonald
WY State Hospital
Box 177
Evanston, WY 82930

RE: WY State Hospital Mobile Home Park, #82-6

Dear Mr. MacDonald:

A final set of plans has been received for the above referenced facility. They appear to meet minimum design standards.

We will be issuing a permit upon receipt of: 1) a signed application form; 2) two additional sets of plans; and 3) an approval letter from the Evanston City Engineer.

Should you have question, please contact me.

Respectfully,

Albert J. Berreth

Albert J. Berreth
Southwest District Engineer

AJB:ch

cc: Dave Nelson
Wayne Shepherd
Cheyenne DEQ/WQD
File (4)

5-11-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-7

LUSK WATER SYSTEM IMPROVEMENTS, PHASE III
WATER STORAGE RESERVOIR
(Name of Facility)

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

Town of Lusk
P.O. Box 385
Lusk, Wyoming 82225

to construct, install, or modify a 200,000 gallon water storage reservoir facility according to the procedures and conditions of the application No. 82-7. The facility is located in Sec. 8, T.32N., R.63W. in the County of Niobrara, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER ★ WILLIAM L. GARLAND P.E. # 1479 ★ STATE OF WYOMING

Administrator
Water Quality Division

REGISTERED PROFESSIONAL ENGINEER ★ ROBERT E. SUNDIN NO. 285 ★ STATE OF WYOMING

Director
Dept. of Environmental Quality

February 3, 1982
Date of Issuance

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

xc: Wells Engineers, Inc.
1415 11th Street
Gering, Nebraska 69341

4-26-82

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

☐ Modified

Permit No. 82-8R

Cassa Rest Area
(Name of Facility)

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

Wyoming Highway Department

P. O. Box 1708

Cheyenne, WY 82001

to construct, install, or modify a two wastewater evaporation/retention ponds with spray irrigation system facility according to the procedures and conditions of the application No. 82-8R. The facility is located in SW 1/4, Section 17, T28N, R66W in the County of Platte, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
STATE OF WYOMING

William L. Garland
Administrator
Water Quality Division

April 13, 1982
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

This permit <u>does not</u> supercede the requirements for obtaining any permit from local agencies.

cc: Gary Brown
Wyoming Highway Department
P. O. Box 1708
Cheyenne, WY 82001

2-10-82

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1111 East Lincolnway
Cheyenne, Wyoming 82002

PROJECT: Cassa Rest Area, Platte Co.

ARCHITECT OR ENGINEER: Gary Brown, WY Highway Dept.
P.O. Box 1708, Cheyenne, WY 82001

APPLICANT: WY Highway Dept.
P.O. Box 1708, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 82-8

REVIEWING ENGINEER: Thomas S. Norman T. S. Norman

DATE OF REVIEW: February 8, 1982

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The discharge or drain pipe out of the water level control vault must be plugged.

2. I have doubts on the constructability of the sewer trenches with less than three foot cover. The narrow spaces between the pipe, insulation and trench wall will not allow adequate compaction.

3. The inlet splash pads for each pond should be concaved or have a 'lip' to dissipate the energy to prevent erosion from wastewater coming off the pad.

4. The fence should not be placed on top of the berm as this prevents vehicle access.

5. The following comments have been obtained from our land application section in regards to the proposed irrigation:

   a. No plan details showing sites and acreage to be irrigated are included.

   b. A general description of surface and subsurface soil texture (0-3 feet) should be provided and an estimate of the saturated soil permeability used with the climatogolical data to develop a total maximum annual loading.

   c. Are the revegetated areas and R.O.W. to be irrigated? Soil conductivity measurements and an estimate of the pond water conductivity should be made and related to salinity tolerance of plant species on the site(s) (Western Wheatgrass, for example, is a saline-tolerant species).

   Other necessary soil and wastewater analyses include: Na^{+}, CA^{2+}, Mg^{2+}, HCO^{-}, Cl^{-} ions

   d. Wastewater to be sprayed at a public rest area would have to be disinfected to meet fecal coliform limits of 200/100 ml. Actual spraying would be

limited to early morning (before 8 A.M.) and evening hours (after 8 P.M.).

Sites currently sprayed must be roped off and posted if within R.O.W. to prevent human access and possible direct contact by children.

6. The following comments have been obtained from our groundwater section:

   a. No information has been presented concerning proximity or quality of the groundwater. This poses a problem because of the proposed land application and potential for groundwater contamination. The close proximity to Middle Bear Creek would indicate a fairly high water table.

TSN/nc

1-25-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-9

Kirk's Auto Repair
(Name of Facility)

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

Robert Edward Kirk

Box 1282

Douglas, WY 82633

to construct, install, or modify a commercial subsurface disposal facility according to the procedures and conditions of the application No. 82-9. The facility is located in E 1/2 SW 1/4 Section 34, T33N, R71W in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM K. GARLAND REG. # 1479 STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

January 20, 1982
Date of Issuance

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

cc: John A. Lambert
Box 34
Douglas, WY 82633

2-4-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-10

Casper College – Vocational Education Building
(Name of Facility)

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

Casper Board of Public Utilities

200 North David

Casper, WY 82601

to construct, install, or modify a Sanitary sewer

facility according to the procedures and conditions of the application No. 82-10. The facility is located in

Section 16, T33N, R79W

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

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
Reg. PE #1270
STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

January 25, 1982
Date of Issuance

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

cc: Terry L. Titus, WLC&J
632 South David
Casper, WY 82601

2-4-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-11

Cheyenne Landscaping
(Name of Facility)

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

Mr. Marlin Frauendienst

Cheyenne Landscaping

4536 Glendo Street, Cheyenne, WY 82001

to construct, install, or modify a small commercial subsurface wastewater disposal system facility according to the procedures and conditions of the application No. 82-11. The facility is located in Section 28, T14N, R65W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
P.E. # 1479
STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

January 25, 1982
Date of Issuance

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

cc: Mike Gust
Mike Gust & Associates
320 West 24th Street
Cheyenne, WY 82001

2-17-82

PERMIT TO CONSTRUCT

/X/ New

/__/ Renewal

/__/ Modified

Permit No. 82-12R

Poison Spider Estates Subdivision
(Name of Facility)

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

Jeffery W. Brownmiller

7020 Salt Creek Route

Casper, WY 82601

to construct, install, or modify a public water distribution system facility according to the procedures and conditions of the application No. 82-12R. The facility is located in SE 1/4 SW 1/4 Section 9, T33N, R81W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
P.E. # 1479
STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

February 10, 1982
Date of Issuance

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

cc: Gene Brady
Brady & Associates
Box 1072
Grand Island, NE 68801

1-25-82

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1111 East Lincolnway
Cheyenne, Wyoming 82002

PROJECT: Poison Spider Estates, Natrona Co.

ARCHITECT OR ENGINEER: E. Gene Brady, Brady & Assoc.
Box 1072, Grand Island, NE 68801

APPLICANT:

WATER QUALITY DIVISION REFERENCE NUMBER: 82-12

REVIEWING ENGINEER: Thomas S. Norman Thomas S. Norman

DATE OF REVIEW: January 25, 1982

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

An application form was not attached. One is enclosed.

TSN/nc

6-15-82

PERMIT TO CONSTRUCT

/ X / New

/ / Renewal

/ / Modified

Permit No. 82-13R

Water System Improvements for Town of Cokeville, WY
(Name of Facility)

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

Town of Cokeville

PO Box 99

Cokeville, WY 83114

to construct, install, or modify a water supply system

facility according to the procedures and conditions of the application No. 82-13R. The facility is located in

Tracts 88, 89, 95, 96, T24N, R119W

in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

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

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. SAILAND P.E. # 1479 STATE OF WYOMING

William L. Sailand
Administrator
Water Quality Division

Robert E. Sundin
Director
Dept. of Environmental Quality

May 28, 1982
Date of Issuance

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

AJB:ch

Chey

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 Lincoln
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: WATER SYSTEM IMPROVEMENTS FOR TOWN OF COKEVILLE, WY

ENGINEER: Norm Soden
BRW, Inc.
1912 Capitol Ave
American National Bank Bldg
Cheyenne, WY 82001

OWNER: Town of Cokeville
PO Box 99
Cokeville, WY 83114

WATER QUALITY DIVISION REFERENCE NUMBER: 82-13

REVIEWING ENGINEER: Al Berreth ajb

DATE OF REVIEW: January 27, 1982

ACTION: Not authorized.

COMMENTS: Before a permit can be issued, the following tiems need to be addressed:

Railroad Crossing

1. The drawing is a little confusing. Both the existing and abandoned 8-inch waterlines appear to be connected. Is the one section to be abandoned as a result of this project? If so, what happens to the fire hydrant? Will it be abandoned?

2. How is the casing to be sealed? This is not covered in the Wyoming Public Works specs. Specifications for the boring as a whole are needed. Pipe supports, etc., will need to be addressed.

Pressure Reducing Valve and Vault

1. Pressure gauges are needed.

2. Is air relief needed?

3. What are the two valves to be set at. Briefly address their planned mode of operation.

7bc

Review of Plans & Specifications
Water System Improvements for Town of Cokeville, WY
DEQ #82-13
January 27, 1982

Water Collection System

1. What is the estimated inflow?

2. How much gravel is to be placed around the collection pipes?

3. What is the depth to groundwater?

4. Is a filter cloth going to be used?

5. Why not drill a well?

6. Please provide specifications. Items such as the perforated water pipe should be included.

7. Is the surface of the immediate area around the collector lines protected from contamination? Please explain.

AB:ch

cc: Cheyenne DEQ/WQD
File (4)

2-4-82

PERMIT TO CONSTRUCT

/ / New

/ / Renewal

/X/ Modified

Permit No. 82-14

Ref. No. 81-924

Water System Improvements - Wardwell Water & Sewer District
(Name of Facility)

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

Wardwell Water & Sewer District
P.O. Box 728
Mills, WY 82644

to construct, install, or modify a potable water distribution facility according to the procedures and conditions of the application No. 82-14. The facility is located in Section 6, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
P.E. # 1479
STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

January 25, 1982
Date of Issuance

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

cc: Duane Fehringer
501 N. Sun Drive
Casper, WY 82601

2-14-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-15

SBMM Addition
(Name of Facility)

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

Town of Mills
704 4th Street
Mills, WY 82644

to construct, install, or modify a Municipal Wastewater Collection System facility according to the procedures and conditions of the application No. 82-15. The facility is located in Section 6, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND P.E. # 1479 STATE OF WYOMING

Administrator
Water Quality Division

January 26, 1982
Date of Issuance

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

Director
Dept. of Environmental Quality

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

cc: E.C. Lenhart, P.E.
Worthington, Lenhart,
Carpenter & Johnson, Inc.
632 South David
Casper, WY 82601

3-5-82

PERMIT TO CONSTRUCT

/XX/ New

/ / Renewal

/ / Modified

Permit No. 82-16R

*See Comments

Crude Process, Inc.-Frannie Facility
(Name of Facility)

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

Crude Processing, Inc. - Lynn Fross

PO Box 614

Powell, WY 82435

to construct, install, or modify a

two wastewater holding ponds

facility according to the procedures and conditions of the application No. 82-16R. The facility is located in

Sec. 1, T57N, R98W

in the County of Park, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND P.E. # 1479 STATE OF WYOMING

William L. Garland
Administrator
Water Quality Division

February 16, 1982
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

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

COMMENTS

1. A separate application must be made for the proposed land disposal area.
2. Additional monitoring wells may be required at a later date as directed by our Groundwater Section.

MRC:ch

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 Lincoln
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: CRUDE PROCESSING, INC. - FRANNIE FACILITY

ENGINEER: Donald P. Fisher
979 Carbon
Ralston, WY 82440

Arden D. Haeffner
PO Box 385
Powell, WY 82435

OWNER: Crude Processing, Inc.
PO Box 614
Powell, WY 82435
ATT: Lynn Fross & George Streib

WATER QUALITY DIVISION REFERENCE NUMBER: 82-16

REVIEWING ENGINEER: M. Robin Collins, P.E. & Bill Ewen

DATE OF REVIEW: February 3, 1982

ACTION: Not authorized.

COMMENTS: After reviewing the aforementioned project, we would like to offer the following comments for your consideration in processing the necessary permit:

1. Any separation/processing tanks installed at this facility will have to be surrounded by containment dikes designed to hold the capacity of the enclosed tank(s).

2. The wastewater ponds' berm width shall be a minimum of eight feet in order to permit access of maintenance vehicles and to facilitate compaction.

3. The minimum free board allowed in the ponds should be no less than two feet.

4. The inner and outer dike slopes should not be steeper than 1 vertical to 3 horizontal. Also, the dikes shall be of sufficient height to prevent surface runoff from entering the ponds.

5. The dikes must be constructed at a minimum compaction rate of 95% according to the Standard Proctor Density Test. The specifications should so state this requirement.

ABC

6. The entire facility must be adequately fenced and posted in order to prevent the entrance of any unauthorized personnel.

7. After your formal reply is received at this office with the appropriate changes made to the plans and specifications, a "Permit to Construct" can be issued for the two proposed wastewater ponds only. A separate application will have to be made for the proposed land disposal area.

MRC:ch

cc: Bill Ewen, DEQ/WQD

E STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Robin Collins

FROM: A. J. Mancini AJM

DATE: January 25, 1982

SUBJECT: Comments on Frannie Facility, Application Wastewater Pond Construction Permit, prepared for Crude Processing, Inc. (WQD #82-16)

If and when a permit is issued, it should be only for wastewater ponds and not for the entire proposed disposal area.

I can't tell specifically how many ponds are included in this application.

Table 1 reportedly presents a chemical analysis of water typically held in the ponds. What does this mean? Why is oil or oil and grease not included in Table 1?

The applicant should ascertain from the EPA, Denver, under what circumstances this waste would or might be considered hazardous.

The application does not include site specific information on soils, geology, groundwater, etc. This should be submitted.

The application does not include a plan drawing showing the design.

Even though precipitation is low, would protection from runoff be required for the structure(s)?

Where would monitoring wells be installed? Specifications?

Eventually, an analysis of the sludge will be required, as well as more information on the proposed land-farming. This aspect will have to be reviewed by E. J. Tanning in the Cheyenne office, and may require a separate permit application.

JM/nc

5-20-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-17RRR

Powder River Rest Area
(Name of Facility)

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

Wyoming Highway Department
5300 Bishop
Cheyenne, Wyoming 82001

to construct, install, or modify a wastewater treatment system facility according to the procedures and conditions of the application No. 82-17RRR. The facility is located in Sections 17 and 18, T.49N., R.77W. in the County of Johnson, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

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

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

AUTHORIZED BY:

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

REGISTERED PROFESSIONAL ENGINEER WILLIAM I. GARLAND 1479 STATE OF WYOMING

William I. Garland
Administrator
Water Quality Division

Robert E. Sundin
Director
Dept. of Environmental Quality

May 12, 1982
Date of Issuance

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

xc: Mike Gust & Assoc.
320 W. 24th Street
Cheyenne, Wyoming 82001

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 Coffeen Ave., Suite 301
Sheridan, Wyoming 82801

PROJECT: Powder River Rest Area

ARCHITECT OR ENGINEER: Mike Gust
Mike Gust and Associates
320 West 24th Street
Cheyenne, Wyoming 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 82-17

REVIEWING ENGINEER: Rich Ruyle RR

DATE OF REVIEW: February 3, 1982

ACTION: Not Authorized

COMMENTS:

Because the water supply system has only two service connections, it does not fall under DEQ's jurisdiction. You may regard comments about the water supply system as advisory.

1.) Design calculations are needed for the wastewater and water supply systems. You should include methods for estimating the potable and non-potable water supply needs, the volume of wastewater, and the required area for the leach field.

2.) Is the artesian well currently being used? What is the capacity of the artesian and non-potable wells?

3.) There should be at least six inches of gravel underneath and two inches over the drain lines in the leach field.

4.) SDR 35 is the usual specification for sewer piping. SDR 41 can be used if you provide crushing strength calculations.

5.) The inlet and outlet pipes to the septic tank should be specified as Schedule 40 for a distance of five feet from the tank.

6.) Forced ventilation providing six changes of air per hour should be supplied in the dry well and the access hatch to the wet well of the sewage sump pump. Eliminating the wall separating the two access hatches would simplify the matter.

7.) Pressure tests for the water lines should be conducted at 1½ times the normal operating pressure.

8.) How deep is the 1,000 gallon fiberglass tank? Are there ladder rungs in the manhole to the tank?

9.) Is there a way of controlling the flow from the artesian well or do you anticipate a continuous overflow from the 1,000 gallon tank?

10.) What is the purpose of the 120 gallon storage and retention tank? Wouldn't the hydropneumatic tank suffice? How water flows from the retention tank to the hydropneumatic tank and then out the trailer site and restrooms is unclear. Please clarify. Are there separate pressure tank pumps or just SWP-1 and SWP-2?

11.) Tony Mancini of the Groundwater Section in Cheyenne made the following comments. Please address his concerns:

"I have one comment which I think is significant, pertaining to WQ analysis. I am uncertain as to EPA's involvement (i.e., is there a public water supply at this or any rest area in Wyoming?). The water is for drinking, and should meet drinking water standards. However, the lab report shows an analysis for only a few of the constituents considered significant. I believe the water should be analyzed for:

Arsenic	Fluoride
Barium	Chloride
Cadmium	Copper
Chromium	Iron
Lead	Manganese
Mercury	Sulfate
Nitrate (as N)	Zinc
Selenium	TDS
Silver	pH
Uranium	Sodium

Radioactivity (radium, if required, by high gross alpha)

"The lab reports that the water tested is not within the tolerance limits for sodium; i.e., for people on a low sodium diet or with heart trouble. This can be very significant when you consider that people everywhere might visit this rest area.

"The EPA has issued 'Amendments to Interim Primary Drinking Water Regulations' (August 27, 1980) for the Wyoming Public Water System Program. Under Sodium Requirements, we find the following: 'There is no MCL for sodium, but systems should maintain concentrations at minimum levels and make provisions for notifying persons on low sodium diets of levels. Systems with levels above 20 mg/l should examine their systems to determine whether the sodium level can be reduced.' "

12.) The Highway Department's water analysis of the well showed that the well was bacterially unsatisfactory. Has the well been resampled after sanitizing?

13.) You may fall under EPA's water supply monitoring program. Call their Drinking Water Program office in Denver for more information.

Feel free to call with questions.

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Tom Mueller

FROM: A. J. Mancini AJM

DATE: February 2, 1982

SUBJECT: Comments on Powder River Rest Area, DEQ/WQD Ref. No. 82-17

Some design information appeared to be lacking, so I called Mike Gust in Cheyenne (to save Sheridan the cost of a phone call) and was informed that:

1. Each leach field pipe is in an 18" trench.
2. For the "worst" case, there will probably be six (6) dosings/day.
3. The sump pit capacity (per dosing) is 673 gallons.
4. The sump pump is a duplex.

I have not yet obtained any information concerning the five (5) borings in the vicinity of the proposed leach field.

Incidentally, the "Trailer Site Detail" sheet MP2 is for the maintenance person's trailer, not visitors' trailers. There will not be a trailer dump at this rest area.

I have one comment which I think is significant, pertaining to WQ analysis. I am uncertain as to EPA's involvement (i.e., is there a public water supply at this or any rest area in Wyoming?). The water is for drinking, and should meet drinking water standards. However, the lab report shows an analysis for only a few of the constituents considered significant. I believe the water should be analyzed for:

Arsenic	Fluoride
Barium	Chloride
Cadmium	Copper
Chromium	Iron
Lead	Manganese
Mercury	Sulfate
Nitrate (as N)	Zinc
Selenium	TDS
Silver	pH
Uranium	Sodium

returned to Sheridan 2-2-82

Radioactivity (radium, if required, by high gross alpha)

The lab reports that the water tested is not within the tolerance limits for sodium; i.e., for people on a low sodium diet or with heart trouble. This can be very significant when you consider that people from everywhere might visit this rest area.

The EPA has issued "Amendments to Interim Primary Drinking Water Regulations" (August 27, 1980) for the Wyoming Public Water System Program. Under Sodium Requirements, we find the following: "There is no MCL for sodium, but systems should maintain concentrations at minimum levels and make provisions for notifying persons on low sodium diets of levels. Systems with levels above 20 mg/l should examine their systems to determine whether the sodium level can be reduced."

3-5-82

PERMIT TO CONSTRUCT

/XX/ New

/ / Renewal

/ / Modified

Permit No. 82-18R

Bear River Veterinary Clinic
(Name of Facility)

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

Dennis C. Law

Star Rt. 2, Box 124

Evanston, WY 82930

to construct, install, or modify a septic tank and drainfield facility according to the procedures and conditions of the application No. 82-18R. The facility is located in Sec. 6, T16N, R120W in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

February 18, 1982
Date of Issuance

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

AB:ch

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 Lincoln
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: BEAR RIVER VETERINARY CLINIC

ENGINEER: Charles R. Kelley
Kellco Engineers Inc.
2661 Washington Blvd.
Ogden, UT 84401

OWNER: Dennis C. Law
642 S. Meldrum
Ft. Collins, CO 80521

WATER QUALITY DIVISION REFERENCE NUMBER: 82-18

REVIEWING ENGINEER: Rich Ruyle RR

DATE OF REVIEW: January 28, 1982

ACTION: Not authorized.

COMMENTS:

1. Three (3) copies of all your submittals are needed.

2. The inlet and outlet pipe to the septic tank should be specified as Schedule 40 for a distance of five (5) feet from the tank.

3. A cleanout is needed at the 90° bend in the sewer line between the house and septic tank.

4. Show the approximate distance from the leach field to the water well on the plan sheet.

I am being transferred to Sheridan. Please address future correspondences to Al Berreth in the Lander Office.

RR:ch

AC

82-19

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET LANDER, WYOMING 82520 TELEPHONE 307-332-3144

March 1, 1982

Natomas North America, Inc.
1515 Arapahoe Street
One Park Central - Suite 387
Denver, CO 80202
ATT: N. J. Carlile, Drilling Technician

RE: Approval of Temporary Wastewater Disposal System on Drilling Site-SW¼, NW¼, Sec. 34, T58N, R100W, Park County

Dear Mr. Carlile:

After some discussion, we feel a "Permit to Construct" will not be required for this aforementioned project because of its temporary nature (less than six-months use). However, a permit will be required for longer operations.

The submitted plans for the disposal system meets our minimum design standards and thus is acceptable to our department. Future drilling operations utilizing similar disposal means are also acceptable provided they will have less than six-months usage. The holding tank(s) can be transferred from one site to another.

We appreciate the opportunity to review your operation. If further information is required or if you have any questions concerning the operation and maintenance of your disposal system, please do not hesitate to contact us.

Respectfully,

M. Robin Collins

M. Robin Collins, P.E.
Northwest District Engineer

MRC:ch
cc: BLM, Worland
Park County Planner
DEQ/WQD, Cheyenne
File (4)

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET LANDER, WYOMING 82520 TELEPHONE 307-332-3144

May 11, 1982

Mr. Kirby Lloyd
Medical Facilties, Inc.
No. 5 American Industrial Dr.
Maryland Heights, MO 63043

RE: Sublette County Retirement Center,
Pinedale, WY DEQ #82-20R

Dear Mr. Lloyd:

The "as built" plans of the water and sewer services serving the above referenced facility have been reviewed and appear to meet minimum design standards as defined by the State of Wyoming. A "Permit to Construct" cannot be issued because the services have already been constructed; however, you should retain this letter as proof of acceptance of the system by this department.

I would like to thank you for your cooperation in resolving this matter. This office considers the matter closed.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:ch

cc: Cheyenne DEQ/WQD
Mayor Robert D. Sweedler - Town of Pinedale
Walter F. Stepanek - Stepanek & Assoc., Inc.
File (5)

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET LANDER, WYOMING 82520 TELEPHONE 307-332-3144

April 22, 1982

Mr. Kirby Lloyd
Medical Facilities, Inc.
No. 5 American Industrial Dr.
Maryland Heights, MO 63043

RE: Sublette County Retirement Center
Pinedale, WY DEQ #82-20

Dear Mr. Lloyd:

As of this date I have not received a reply to my January 25, 1982 review letter of the above referenced application. Please inform me, in writing, of when a reply can be expected.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:ch

Enclosure

cc: Cheyenne DEQ/WQD
Mayor Robert D. Sweedler-Town of Pinedale
File (2)

STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN LANDER, WYOMING 82520 TELEPHONE 307-332-3144

January 25, 1982

Mr. Kirby Lloyd
Medical Facilities, Inc.
No. 5 American Industrial Dr.
Maryland Heights, MO 63043

RE: Sublette County Retirement Center,
Pinedale, WY DEQ #82-20

Dear Mr. Lloyd:

I am in receipt of your letter, plans and specifications dated January 15, 1982, in regard to the above referenced facility. Our concern is only with the water and sewer service connections serving the Retirement Center. In order to evaluate these services the following information is needed:

Sewer Service

1. Length and size of line
2. Slope of line (profile is preferred)
3. Material and installation specifications
4. Depth of cover
5. Clean out locations and details if any
6. Details of connection to sewer main

Water Service

1. Length and size of line
2. Line grade and depth of cover
3. Separation between water and sewer service lines
4. Material, pipe class and installation specifications
5. Details of connection to water main
6. Maximum operating pressure

ABC

Unfortunately the plans and specifications you sent do not address these points and, therefore, are of little value in this matter. Two sets of the plans and specs are being returned to you with this letter. We have to keep one copy for a record of the review process.

Please submit the information requested in this letter, in triplicate, to this office. In addition a letter is requested from the Town of Pinedale stating that they will allow the water and sewer connections, they can adequately treat the additional sewage and they can supply the necessary volumes of water under all conditions of flow with a minimum pressure of 20 psi.

Remember, all plans and specifications must be signed by an engineer registered in the State of Wyoming. Upon receipt of your reply the services will be evaluated and you will be informed of our findings. If you have any questions, please cal me.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:ch

Enclosure

cc: Cheyenne DEQ/WQD
Mayor Robert D. Sweedler - Town of Pinedale

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET LANDER, WYOMING 82520 TELEPHONE 307-332-3144

July 15, 1983

Mr. William Meckem
P. O. Box 989
Jackson, WY 83001

RE: Gros Ventre West Second Filing
Water System Improvements #82-21R

Dear Mr. Meckem:

I have received a response from your engineer, Bob Ablondi, to my inspection letter regarding the water system improvements at the Gros Ventre West Second Filing Subdivision.

Bob has addressed all my areas of concern. I find Bob's suggestions and the actions already taken acceptable, and therefore, am satisfied that the project as constructed meets the intent of the construction permit.

I would like to thank you for your cooperation in resolving this matter, and Bob for his assistance and cooperation.

Please feel free to contact me if you have any questions.

Respectfully,

Jeff C. Hermansky

Jeff C. Hermansky
Water Quality Evaluator
Northwest District

JCH:dcn
cc: Robert Ablondi
Joe Chalfant, Teton County
Jake Strohman, DEQ/WQD Cheyenne
File

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET LANDER, WYOMING 82520 TELEPHONE 307-332-3144

November 16, 1982

Mr. Robert T. Ablondi
Jorgensen Eng. & Surveying
PO Box 1142
Jackson, WY 83001

RE: Gros Ventre West 2nd Filing, 82-21R

Dear Mr. Ablondi:

Per your written request on the behalf of Mr. Bill Meckem, it is the Division's feeling that an extension be given to May 16, 1983 at which time an on-site investigation of the completed construction will take place. Should construction not be completed at that time, the Division will investigate what means it has available to achieve that end.

Respectfully,

Albert J. Berreth
Area III Supervisor

AJB:ch

cc: Jake Strohman DEQ/WQD Cheyenne
Bill Meckem
Joe Chalfant
File (2)

5-14-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-21R

CONDITION OF PERMIT

Gros Ventre West Second Filing
(Name of Facility)

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

William Meckem
PO Box 989
Jackson, WY 83001

to construct, install, or modify a pump station with pressure tanks facility according to the procedures and conditions of the application No. 82-21R. The facility is located in Sec. 19/30, T41N, R116W in the County of Teton, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND # 1479 STATE OF WYOMING

William L. Garland
Administrator
Water Quality Division

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

Robert E. Sundin
Director
Dept. of Environmental Quality

May 3, 1982
Date of Issuance

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

CONDITION OF PERMIT

The facility permitted must be completed and in service by September 1, 1982.

AJB:ch

THE STATE OF WYOMING

82-21R

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET LANDER, WYOMING 82520 TELEPHONE 307-332-3144

May 5, 1982

Mr. William Meckem
PO Box 989
Jackson, WY 83001

RE: Gros Ventre West Second Filing

Dear Mr. Meckem:

Shortly, you will receive a permit to construct the pump and pressure tank system as proposed. A condition of that permit will be construction completion by September 1, 1982. Sometime around that date, I will be in Jackson for an inspection of the constructed facility.

As I discussed with Mr. Ablondi, it is important that particular attention be paid to the relative elevations of the pump vault inlet and storage tank bottom during construction.

Should you have questions, please contact me.

Respectfully,

Albert J. Berreth

Albert J. Berreth
Area III Supervisor

AJB:ch

cc: Bob Ablondi
Steve Jones
Cheyenne DEQ/WQD
File (2)

Norma & Jake

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 Lincoln
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: GROS VENTRE WEST SECOND FILING

ENGINEER: Bob Ablondi
Peter Jorgensen
PO Box 1142
Jackson, WY 83001

OWNER: William Meckem
PO Box 989
Jackson, WY 83001

FEB 2 RECEIVED WATER QUALITY DIVISION WYOMING

WATER QUALITY DIVISION REFERENCE NUMBER: 82-21

REVIEWING ENGINEER: Al Berreth ajb

DATE OF REVIEW: February 4, 1982

ACTION: Not authorized.

COMMENTS: Before a "Permit to Construct can be issued, the following items need to be addressed:

1. Will this line ever need to be extended?

2. Considering the number of units one pump and motor should be sufficient; however, provision for a spare must be made.

3. Site grading is not shown. Runoff needs to be routed around the access to the pump station.

4. The access stairs are not clearly shown or described.

5. Is a dehumidifier needed?

6. What is the suction pressure? Is a guage needed? Is there motor protection for low suction pressure and no flow?

7. What is the elevation of the steel storage tank?

ABC

8. A water meter is needed.

9. The upper homes seem to have minimal service. A minimum of 35 psi should be provided per Section 8.1 "Ten States Standards."

10. The motor horsepower required is in excess of five at lower pressures. This will tend ot overheat the motor and cause unnecessary breaks in water service.

11. The well system for the entire subdivision must be reviewed. Please submit yield and drawdown information on the existing well. An additional well needs to be drilled.

12. An inspection of the 25,000 gallon steel storage facility has raised questions as to whether or not it was constructed in accordance with the permit. As-builts need to be submitted.

13. The original subdivision permitted 63 units. You have accounted for seven additional. Since there are 77 units, please account for the remaining seven units.

AB:

cc: Joe Chalfant
Steve Jones
Jake Strohman
File (4)

4-8-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-22R

Town of Granger Sewage Treatment Facilities
(Name of Facility)

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

Town of Granger

PO Box 42

Granger, WY 82934

to construct, install, or modify a riprap for lagoon slopes

facility according to the procedures and conditions of the application No. 82-22R. The facility is located in

Sec. 27, T19N, R111W

in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM C. GARLAND P.E. # 1479 STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

March 15, 1982
Date of Issuance

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

AJB:ch

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 Lincoln
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: TOWN OF GRANGER SEWAGE TREATMENT FACILITIES (Erosion Protection)

ENGINEER: Don Armstrong
Tudor Eng. Co.
450 S. Fed. Blvd.
Riverton, WY 82501

OWNER: Town of Granger
PO Box 42
Granger, WY 82934

WATER QUALITY DIVISION REFERENCE NUMBER: 82-22

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: February 3, 1982

ACTION: Not authorized.

COMMENTS: Further clarification of the following items is needed:

1. How are the tires going to anchored? A stake of some sort seems to be shown on the drawing. What size, shape, length, etc. stake is to be used? What about placement, top row every fourth tire only? Will the integrity of the liner be affected? Will they hold the tires in place? Please explain.

2. How many tires are needed? Is there a readily available source? Is the contractor responsible for getting them?

3. With prevailing west winds, it seems that provision needs to be made from SW to NW. The double layer of tires does not seem to extend around the corners far enough.

4. Is each tire to be tied to each adjacent tire? This is not clearly shown. What weight or strength the nylon, plastic, or wire is to be used?

5. It is not clear as to how many rows of tires are needed. How close to the top of the dike and lagoon bottom are the tires supposed to be? What tolerances will you allow?

A,C

6. What about the lagoons containing water? How will the tires be placed and anchored?

7. How much gravel is needed? How much care is to be taken while placing the gravel? Certainly some air will be trapped within the tires. Will gravel need to be brought in later to make up for settlement?

8. Has this method of rip-rapping been used elsewhere? Please give examples.

9. How do you know that the force of the waves will not move the tires and cause a loss of gravel and the eventual drifting of the tires?

10. If time permits, we would be willing to permit a test section to determine the effectiveness of the proposed tire rip-rap.

AB:ch

cc: Cheyenne DEQ/WQD
File (4)

2-17-82

PERMIT TO CONSTRUCT

/x/ New

/ / Renewal

/ / Modified

Permit No. 82-23

Gulf Oil Well No. Brown 1-124B
(Name of Facility)

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

~~Gulf Oil Company~~
c/o Carlton & Carlton
748 Lombard St.
Evanston, WY 82930

to construct, install, or modify a sewage collection and holding tank facility according to the procedures and conditions of the application No. 82-23. The facility is located in Sec. 12, T16N, R121W in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. SARLAND
P.E. # 1479
STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

January 28, 1982
Date of Issuance

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

FL:ch

3-11-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-24R

Willowbrook Condominiums
(Name of Facility)

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

Lynn Butterfield

PO Box 2467

Park City, UT 84060

to construct, install, or modify a water distribution and sewage collection system facility according to the procedures and conditions of the application No. 82-24R. The facility is located in Sec. 28, T15N, R120W in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM E. GARLAND P.E. # 1479 STATE OF WYOMING

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

William E. Garland
Administrator
Water Quality Division

Robert E. Sundin
Director
Dept. of Environmental Quality

March 1, 1982
Date of Issuance

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

FL:ch

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 Lincoln
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: WILLOWBROOK APARTMENTS

ENGINEER: R. W. Cummock & Associates
3090 E. 3300 South
Pioneer Plaza 4-B
Salt Lake City, UT 84109

OWNER: Lynn Butterfield
PO Box 2467
Park City, UT 84060

WATER QUALITY DIVISION REFERENCE NUMBER: 82-24

REVIEWING ~~XXXXXXXXX~~: EVALUATOR: Frank LaBarge

DATE OF REVIEW: January 29, 1982

ACTION: Not authorized.

COMMENTS: A review of your application has been completed. Before a permit can be approved, the following points need to be resolved:

General Comments

1. An Application for Permit to Construct form is needed. For the record a complete application application package consists of four parts:

   - an Application for Permit to Construct form
   - an Engineering report which briefly describes the project and contains all the necessary design calculations
   - a detailed set of construction plans
   - a detailed set of material and construction specifications

   In lieu of the material and construction specifications being submitted, you may simply reference the Wyoming Public Works Standards on the plans. This is your option. All four parts of the application must be submitted in triplicate as well as all replies to review letters.

2. A vicinity map is needed showing the location of this project in relationship to the surrounding area.

3. Has the project been submitted to the City of Evanston engineer for his review? We need his approval of the project before our approval will be given.

ABC

Water System

4. The pressure in the water system is much too high for safe operation of the fire hydrants. It appears that a pressure reducer will be needed on each of the lines which connect to the 10-inch main. This will also reduce the need for individual pressure reducers at each building.

5. A letter is needed from the City of Evanston stating that the existing water storage tank, pumps and main line have adequate capacity to service this subdivision.

6. The location of the combination air vacuum-air release valves need to be shown on the water line profile.

7. A detail is needed of the valve chamber and chamber drainage.

Sewer System

8. A letter is needed from the City of Evanston stating the existing sewage collection lines have adequate capacity to accept the additional flow from this project and that the City is capable of treating the additional sewage.

Storm Drainage System

9. Details are needed of the inlet and outlet connections to the CMP Detention Pond.

Please submit the required information and revised plans, in triplicate, to this office. If you have any questions, please call me.

FL:ch

3-2-82

PERMIT TO CONSTRUCT

/X/ New

/__/ Renewal

/__/ Modified

Permit No. 82-25

GILLETTE WESTSIDE ADDITION RESUBDIVISION
TRACTS 1, 5, and 9, WATER DISTRIBUTION SYSTEM
(Name of Facility)

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

City of Gillette
P.O. Box 3003
Gillette, Wyoming 82716

to construct, install, or modify a water distribution system facility according to the procedures and conditions of the application No. 82-25. The facility is located in Sec. 21, T.50N., R.72W. in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: - Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER ★ WILLIAM L. GARLAND P.E. # 1479 ★ STATE OF WYOMING

Administrator
Water Quality Division

REGISTERED PROFESSIONAL ENGINEER ★ ROBERT E. SUNDIN NO. 285 ★ STATE OF WYOMING

Director
Dept. of Environmental Quality

February 12, 1982
Date of Issuance

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

xc: Timm & Associates
P.O. Box 726
Gillette, WY 82716

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

January 9, 1985

JAN 1985
RECEIVED
WATER QUALITY
DIVISION
SHERIDAN

Mr. Hugh McFadden, Jr.
Attorney at Law
P.O. Box 1147
Laramie, Wyoming 82070

Dear Mr. McFadden:

Our records indicate that the applications for Hampshire Energy, whom you represent, for permits to construct have not been resubmitted to this office for review and authorization. The specific information for the proposed projects are:

Facility names:	Hampshire Energy Water Treating System, Ash Handling Emergency Bypass Pond (30-TK-01), Waste Treatment System, Solar Pond (40-TK-01), and Water Supply System.
DEQ/WQD Reference Numbers:	82-26R through 82-29R and 82-135R
Engineering Consultant:	Hampshire Energy
DEQ/WQD Review Engineers:	Rich Ruyle, Tom Mueller
Dates of DEQ/WQD Reviews:	May 5, 1982 and November 12, 1982

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

X The applications will not be resubmitted as the projects have been cancelled.

__ The applications will be resubmitted within 30 days.

__ The facilities have been constructed, or are 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 review engineer receives information concerning the status of these projects within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,

Rich Ruyle

Rich Ruyle
District Supervisor

RR:ls

NOTE TO THE FILE

DATE: March 28, 1984

FROM: Lea Stoneburner, District Secretary

Prompted by the attached letter to AQD, on this date I contacted by telephone Hampshire Energy's attorney, Hugh McFadden, regarding the status of Hampshire's Water Quality permit applications 82-26R through 82-29R and 82-135R.

Mr. McFadden stated that there is a possibility Hampshire will pursue their Water Quality permits, but if this is not done during the calendar year 1984 their industrial siting permit will expire, and the applications will probably be withdrawn. He requested that we maintain the applications in Hold status for another year.

I informed Mr. McFadden that we would send a follow-up letter requesting current status in early 1985 and that it would be sent to his attention.

Collin CAC
Copy to Rich

LAW OFFICES OF
CORTHELL, KING, MCFADDEN, NICHOLAS AND PREHODA

MORRIS E. CORTHELL (1887-1967)
JOHN A. KING *
HUGH B. MCFADDEN, JR.
DAVID R. NICHOLAS
DONALD P. PREHODA, JR.
JANICE I. OLSON
PHILIP A. NICHOLAS **
FRANK R. NELSON

*ADMITTED IN NEW YORK
**ADMITTED IN OREGON

TELEPHONE (307) 742-3717
221 SOUTH SECOND STREET
P. O. BOX 1147
LARAMIE, WYOMING 82070

March 14, 1984

MAR 1984
AIR QUALITY
SHERIDAN

Mr. Randolph Wood
Administrator, Air Quality Division
Department of Environmental Quality
401 West 19th Street
Cheyenne, WY 82002

MAR 1984
RECEIVED
AIR QUALITY
SHERIDAN

Re: Hampshire Energy

Dear Randy:

This letter will confirm my telephone message that the Hampshire Energy partners have decided not to pursue the air quality permit any farther. I have advised them of the possible consequences with respect to the particulate increment.

Thank you and your staff for all of your assistance and cooperation on the project. Best regards.

Sincerely yours,

CORTHELL, KING, McFADDEN,
NICHOLAS, PREHODA & OLSON

Hugh B. McFadden, Jr.

HBM/nz

cc: William L. McCown
Don Nelson

MAR 1984
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DIVISION

NOTE TO THE FILE

DATE: March 28, 1984

FROM: Lea Stoneburner, District Secretary

Prompted by the attached letter to AQD, on this date I contacted by telephone Hampshire Energy's attorney, Hugh McFadden, regarding the status of Hampshire's Water Quality permit applications 82-26R through 82-29R and 82-135R.

Mr. McFadden stated that there is a possibility Hampshire will pursue their Water Quality permits, but if this is not done during the calendar year 1984 their industrial siting permit will expire, and the applications will probably be withdrawn. He requested that we maintain the applications in Hold status for another year.

I informed Mr. McFadden that we would send a follow-up letter requesting current status in early 1985 and that it would be sent to his attention.

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WATER QUALITY DIVISION
WYOMING

Collins CAC
Copy to Rich

LAW OFFICES OF
CORTHELL, KING, MCFADDEN, NICHOLAS AND PREHODA

MORRIS E. CORTHELL (1887-1967)
JOHN A. KING *
HUGH B. MCFADDEN, JR.
DAVID R. NICHOLAS
DONALD P. PREHODA, JR.
JANICE I. OLSON
PHILIP A. NICHOLAS **
FRANK R. NELSON

*ADMITTED IN NEW YORK
**ADMITTED IN OREGON

TELEPHONE (307) 742-3717
221 SOUTH SECOND STREET
P. O. BOX 1147
LARAMIE, WYOMING 82070

March 14, 1984

MAR 1984
AIR QUALITY
SHERIDAN

Mr. Randolph Wood
Administrator, Air Quality Division
Department of Environmental Quality
401 West 19th Street
Cheyenne, WY 82002

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SHERIDAN

Re: Hampshire Energy

Dear Randy:

This letter will confirm my telephone message that the Hampshire Energy partners have decided not to pursue the air quality permit any farther. I have advised them of the possible consequences with respect to the particulate increment.

Thank you and your staff for all of your assistance and cooperation on the project. Best regards.

Sincerely yours,

CORTHELL, KING, McFADDEN,
NICHOLAS, PREHODA & OLSON

Hugh B. McFadden, Jr.

HBM/nz

cc: William L. McCown
Don Nelson

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Norma file

82-26R thru 82-29R

HAMPSHIRE ENERGY
Suite 320
5990 South Syracuse
Englewood, Colorado 80111
(303) 773-8890
Telex: 45-0468

January 14, 1983

Mr. William Garland
Department of Environmental Quality
Water Quality Division
1111 East Lincoln Way
Cheyenne, WY 82002

SUBJECT: Hampshire Energy Project
Water Supply System and Public Water Supply
System Permit Applications
HL-1139

Dear Mr. Garland:

To clarify my January 10, 1983, letter, we request that you keep our Water Facilities Permit application and Public Water Supply Permit application files on hold for two years. If the project is not reactivated by January, 1985, feel free to destroy the file.

Again, we have enjoyed working with you and your staff, and we look forward to working with you in the future. If you have any questions, please call.

Sincerely,

HAMPSHIRE ENERGY

Ed McCann

Edward W. McCann
Environmental Manager

cc: Mr. Tom Mueller, DEQ

EWM/je

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

November 12, 1982

Mr. D. Richard Severns
Hampshire Energy
5990 S. Syracuse, Suite 320
Englewood, Colorado 80111

Dear Mr. Severns:

This letter is in reply to Mr. Ed McCann's letter dated September 24, 1982; and will serve as a review of the materials submitted with that letter in response to this Division's original Reviews of Plans and Specifications for the Hampshire Energy facility.

As indicated in our meeting of September 30, 1982, no conditional Permits to Construct can or will be issued on the basis of information submitted thus far. Complete plans and specifications must be submitted, along with adequate supporting design calculations and complete baseline groundwater information, as indicated in the Reviews dated April 9 and May 5, 1982. As indicated in your September 30 conversation with Tom Mueller, a combination of (1) complete process and instrument schematics, (2) isometric construction drawings, (3) accurate plan views showing equipment (but not piping) locations, and (4) complete performance specifications for all material and equipment items, will satisfy the Division's requirement for plans and specifications.

Following are reviews of the additional information submitted. These comments are listed in the same order as the responses, but not all of the items in the original reviews are addressed, because in many instances no new information was submitted.

General Items

Item 1, regarding drawings for ponds and basins. The drawings submitted are in general acceptable, but the additional information originally requested is still needed.

Item 3, regarding rationale for pond and basin lining systems. The selection criteria presented are generally adequate.

Item 4, regarding suitability of 100 mil HDPE. The information submitted is sufficient to allow the use of this material.

Item 5, regarding the use of a clay liner for the flywheel/storage pond. A clay liner will be acceptable, provided that the applicant (1) specifies the methods of construction and testing to be used to guarantee a specific permeability of the liner material, and (2) specifies the anticipated concentrations of Arsenic, Selenium, Mercury, Chromium, Lead, Polynuclear Aromatic Compounds, Polycyclic Organic Matter, Cyanide and/or any other toxic materials present in the biologically treated wastewater, and (3) provides sufficient information and calculations to show that the water in the pond will not degrade the underlying groundwater.

Item 7, regarding the Overall Plant Water Balance. The revised Block Flow Diagram appears consistent.

Waste Treating System Items
(Ref. No. 82-28R)

Item 1, regarding design basis of the system. The information submitted indicates that the waste is treatable by the proposed methods, and shows flow rates in the proposed system, but supplies none of the other information requested.

Item 4, regarding runoff controls in the Product Gasoline Areas. The berms described are considered as part of the treatment system, and detailed plans should be submitted.

Item 5, regarding sewer design. The clean storm water sewer and ponds design basis appears acceptable, pending verification of the paved and unpaved acreages described. The Oily Storm Water Pond design basis appears acceptable as well, but the basis for the oily sewers is not acceptable, unless Hampshire can demonstrate that instantaneous precipitation in excess of the 10-year 24-hour rate will be stored locally and eventually carried off by the oily sewer, rather than overflowing into areas served by the clean storm water sewers.

Solar Pond Items
(Ref. No. 82-29R)

Item 1, regarding sizing of the pond evaporative surface. This information is acceptable.

Item 2, regarding ultimate disposal of solids accumulated in the ponds. The regulatory situation regarding the proposed approach has not yet been clearly defined, and is being pursued at this time with other State agencies.

Item 3, regarding multiple ponds. It will be necessary for Hampshire to justify the use of two ponds, one of which has only 62 percent of the storage capacity of the other.

Item 4, regarding influent flow rate. This is acceptable.

Water Treating System Items
(Ref. No. 82-26R)

Item 2, regarding flow rates. This information appears to be generally acceptable.

Public Water Supply Items
(Ref. No. 82-135R)

Item 1, regarding drawings. Drawings as described in this letter are needed.

Item 2, regarding delivery pressures in the water system. The calculations provided must be supplemented with drawings which show the system layout and supply and delivery elevations.

Item 5, regarding equipment numbers. Thank you for the clarification.

Item 6, regarding chlorine residual. The equipment specifications as described in this letter are needed.

If you have any questions on any of the above, please contact Mr. Tom Mueller, Sheridan District Supervisor, 2161 Coffeen Avenue, Sheridan, Wyoming, 82801, phone number (307) 672-6457.

Yours truly,

William L. Garland
Administrator
Water Quality Division

WLG:TM:ls

xc: Robert E. Sundin
Jake Strohman
Tom Mueller
Tony Mancini

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY
CHEYENNE, WYOMING 82002
TELEPHONE 307 777-7781

MEMORANDUM

TO: Tom Mueller

THROUGH: A. J. Mancini AJM

FROM: Phil Pucel PP

DATE: March 18, 1982

SUBJECT: Hampshire Energy, DEQ/WQD Ref. Nos. 82-26 through 82-29

The review process focuses on protection of groundwater resources. This process is contingent upon the submittal of adequate data, planning, and organization of all pertinent information.

Although groundwater considerations have been addressed to some extent, further information would be helpful in fully evaluating the potential impact of the facility on groundwater resources.

Major areas of concern include:

1. Characterization of groundwater quality

Characterization of groundwater quality baseline conditions is important in evaluating the potential impacts of a facility. In examining the data submitted so far, it is difficult to obtain a clear picture of groundwater conditions due to data variability and a lack of knowledge about local geochemistry. Baseline data has been collected from the monitoring wells located in a drainage which would be impacted by the solar pond (Section 31) (see page A4-29 and page 3-1). All other ponds are located in section 32 and no groundwater data has been submitted for this area.

The following comments are intended to gain specific information about groundwater conditions and geochemistry at the site:

a. The water quality data exhibits wide fluctuations at the alluvial well MW31-1A. Notably, NH_3-N varies between o.22 mg/l and 26.8 mg/l. Explain this variation and the corresponding pH changes.

b. At well MW31-7C, explain the fluctuation in bicarbonate alkalinity and the corresponding pH changes for the samples beginning on June 3, 1981.

c. The first sample for well MW31-7L shows a high TDS value which subsequently decreases by a factor of 8. Was this first sample affected by drilling muds, improper well completion, or some other problem?

d. Alluvial well MW31-3A exhibits NH3-N fluctuations similar to those of well MW31-1A. In addition, TDS values more than double over the one year sampling interval. To what cause can these variations be attributed?

e. Variations in NH3-N and TDS are found at well MW31-104 similar to variations in wells MW31-1A and MW31-3A. Explain the variations.

f. As expected, TDS generally increases in the alluvium from the top of the drainage downwards. An exception exists, however, at wells MW31-6A and MW31-4A whose valves seem to appear in reversed order. Explain this apparent deviation in the groundwater evolution (see page A4-29: Monitoring Well Location Map).

2. Aquifer characteristics

Aquifer characteristics have been addressed only partially with single well pump tests in the coal and shale aquifers. The alluvial aquifer is not characterized by any means. More complete information is needed for proper assessment of groundwater movement and potential pollutant migration.

3. Adequacy of pond design

The design of ponds should consider contingency plans for repairs and emergencies. In particular, multi-cell ponds are preferable to single-cell ponds because they provide a means of handling fluids while repairs are made. Of particular concern is the design of the 337 million gallon solar pond which appears to be a single-cell pond. In the case of leaks in the solar evaporation pond, describe contingency plans for pond evacuation and repairs.

4. Liner/waste compatibility

The compatibility between liners and wastes is important from the standpoint of groundwater protection as well as operation and maintenance costs. For an evaluation of this facet of the project, there should be a characterization of the wastewater stream for each pond and a demonstration of the compatibility of wastewaters with the pond liners, both synthetic and clay over the project life.

The Storage/Flywheel Pond will receive biological treatment system effluent. Is the liner designed to contain persistent contaminants?

5. Leak detection system design

Leak detection systems are used for immediate detection of pollutant migration into the subsurface. For an evaluation of these systems, complete plans and specifications should be submitted for each pond.

Inasmuch as the ash handling emergency bypass pond and the oily water separator will contain harmful soluble and insoluble constituents, why is there no leak detection system for each of these ponds?

6. Monitor network design

The existing monitor network does not encompass all wastewater ponds and potential sources of pollution. Is there a plan for a more comprehensive network of groundwater monitor wells?

7. Sampling procedures

Does Hampshire Energy have a detailed program for sampling protocol, sample preservation, and quality assurance?

8. Sources of pollution other than wastewater ponds

Characterize the leachate from the ash disposal mound and assess infiltration/percolation rates of the soluble constituents.

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 COFFEEN AVE., SUITE 301
SHERIDAN, WYOMING 82801

PROJECT:	Hampshire Energy, Attention: Edward W. McCann 5990 South Syracuse, Suite 320 Englewood, Colorado 80111
ARCHITECT OR ENGINEER:	Fluor Engineers and Constructors
WATER QUALITY DIVISION REFERENCE NUMBERS:	82-26, 82-27, 82-28, 82-29
REVIEWING ENGINEER:	Thomas J. Mueller TJM
DATE OF REVIEW:	April 9, 1982
ACTION:	Not Authorized for Construction. See Comments.

COMMENTS:

General

1. In general, the plans received are too preliminary in nature to be approved.

   Individual drawings for each pond, basin, etc., should be supplied, showing plan, profile, and location and arrangement of all appurtenances such as leak detection systems, inlets and outlets, aeration equipment, oil skimming equipment, liner installation details, pumping installations, fencing and signing where appropriate, etc.

2. Sufficient information to adequately characterize local alluvial aquifers is lacking. The following information, at a minimum, must be supplied.

   - Direction and rate of groundwater flow in both the Dry Donkey Creek and Timber Creek Drainage alluvial aquifers;

   - Water quality data for the alluvial aquifer(s) in the Timber Creek drainage, similar to that provided for the Dry Donkey Creek drainage;

   - Extent of communication between the alluvial and deeper aquifers.

   It should also be noted that there are some anomalies in the data presented, namely: wide fluctuations in NH_3-N, pH, Alkalinity and TDS values at wells MW31-7L, MW31-7C, MW31-1A, MW31-3A and MW31-10A; and

the apparent decrease in TDS values as alluvial water flows from MW31-6A toward MW31-4A. These anomalies and any others discovered during additional data gathering should be discussed, and the reasons for them explained wherever possible.

3. Table 3-1 and Figure 3-2A of the application indicate and describe the lining and monitoring systems proposed for most of the ponds, basins, clear wells, etc. However, no rationale or explanation is provided to justify the type of lining proposed for each containment, nor is there any explanation of why leak detection is or is not proposed for each containment. For instance in the wastewater treating system, both the aeration basins and clarifiers are constructed of concrete, both can be assumed to contain roughly the same quality wastewater, yet the aeration basins are proposed to have leak detection systems, and the clarifiers are not. Although this arrangement may be acceptable, it certainly appears contradictory. A rationale indicating why each containment is to be lined as proposed, and why each containment will or will not be provided with leak detection, must be provided.

4. Considerable information about the High Density Polyethylene (HDPE) lining system proposed as a liner for several of the ponds is provided, and it is appreciated. Certain questions remain, however.

   - From limited additional literature information, it appears that halogenated hydrocarbons, aromatic hydrocarbons and certain other organic compounds may be incompatible with HDPE. Please indicate the concentrations of such compounds, if any, that will be present in the wastewaters, and their compatibility with this particular material at those concentrations.

   - Icing over of some of the ponds can be anticipated. Please indicate the ability of the proposed HDPE liner to survive repeated attack by wind-blown ice without a protective soil blanket.

   - Many manufacturers, installers and engineers recommend the use of fabric reinforcement with membrane liners. Please indicate why no reinforcement has been specified for the proposed membrane liners.

   - Although not required, it would be helpful if the applicant could supply information about existing installations using HDPE membranes to contain wastewaters similar to those which will be generated in the Hampshire Energy plant.

5. The specification for Clay Secondary Lining which begins on Page 4-4 is generally adequate. It is proposed, however, to use just a clay lining for the Storage/Flywheel Pond. This pond will contain treated wastewater effluents, the quality of which is only marginally defined. An assessment of anticipated seepage rate and impact on local groundwater quality must be provided for this situation.

6. Calculations for the design and sizing of the leak detection systems (Appendix 6) are adequate except in two respects. The sketch on page A6-12 shows a profile of the system as it would appear at the "head" end of the perforated piping. According to page A6-15, however, the pipes will be laid at a one percent (1%) slope. Over a distance of 1340 feet (least dimension of the solar pond) this will amount to a drop in excess of 13 feet. Is a drainage blanket of this thickness really proposed? If not, a collection system of unperforated pipe, buried below the secondary clay lining, should be shown and specified.

   In addition, it appears that the bottoms of some ponds with leak detection systems may be constructed below existing or potential groundwater. If this will be the case, some means of permanently lowering such water tables must be provided. (Note: such activity may involve water rights considerations; the State Engineer should be consulted in this regard.)

7. There are several discrepancies between the Block Flow Diagram of the Overall Plant Water Balance and the description of Pond Influents which begins on page 2-2, as indicated below:

   - The <u>Oily Wastewater</u> description indicates that only precipitation and washdown will be routed to the Oily Water Ponds, while the Flow Diagram indicates that "Oily Process Water" may also be routed there. Oily Process Water is not mentioned anywhere in the influent descriptions.

   - The <u>Process Wastewater</u> description identifies backwash from the final biological treatment system filter as an influent to the Equalization Pond, and makes no mention of "Rectisol Impure Water". The Flow Diagram, conversely, shows Rectisol Impure Water as an influent and indicates that filter backwash is routed to the Second Stage Aeration Basin.

   - The <u>High Salinity Wastewater</u> description identifies blowdown from the stream system flash drum as an influent to the High TDS Waste Recovery Basin. The Flow Diagram indicates this stream enters the Low TDS Waste Recovery Basin.

- The Low Salinity Wastewater description apparently describes the makeup streams used for ash handling water. The flow chart and description are not in agreement.

These discrepancies must be corrected.

8. Section 5 describes to some extent the groundwater monitoring program which the applicant proposes. A formal program will be specified as a condition to the Permits to Construct when they are issued, and will match as closely as possible the applicant's proposals. An objection to the proposal in Section 5 is that the wells to be monitored are not specifically identified. Further, the various wells shown in the application as existing do not encompass all the potential sources of groundwater pollution. It is suggested that the applicant propose remedies to these objections.

Waste Treating System
(WQD Reference No. 82-28)

1. The design basis of the wastewater treatment system must be provided. This should include flow rates, organic and solids loadings on the various units, oxygen supply and uptake rates, sludge return ratios, chemical addition rates, filtration and filter backwash rates, sludge settling characteristics, activated carbon addition and regeneration rates, and whatever other parameters and calculations have been used to size the treatment system.

2. Drawings of individual wastewater and sludge treatment equipment items must be provided. These shall include but not be limited to clarifiers, filters, pumps, blowers, sludge thickeners, wet air oxidation process units, dissolved air flotation process units, oil/water separators, chemical addition units, tanks and other auxiliary process units. The drawings need not be of construction quality, but should be reasonably accurate representations of anticipated installations. Mechanical equipment capacity shall be indicated. Piping and valving between and within various units shall also be shown. Piping sizes and materials shall be specified. Electrical, instrumentation, HVAC, structural, etc., items need not be shown unless essential to an understanding of the overall process. Building locations should be indicated.

3. The sanitary wastewater and oily storm water sewers must be described in substantially greater detail than that on page 3-9 of the application. Water Quality Division regulations ordinarily require that complete plans and profiles be submitted showing all sewers, manholes and appurtenances. Specifications required are those for pipe material, manholes, installation methods, and testing to be performed, in addition to specifications for any unusual or auxiliary items.

Furthermore, pipe sizes and flow calculations for each reach of oily storm water sewer must be provided. Sanitary sewers may be six (6) inch diameter, if that is adequate for maximum flows; six inch sewers must be laid at a minimum 0.6% (0.006 ft/ft) slope, however.

4. Please indicate what runoff controls will be instituted in the Product Gasoline Storage and Rail Loading areas.

5. Complete calculations for storm flows and runoff amounts must be provided. These shall include justification for all Curve Numbers (based on actual soils in the area). Base storm for the Clean Storm Water system shall be the 10-year 24-hour storm, unless otherwise required in the applicant's NPDES permit. Base storm for the Oily Water System shall be sufficiently large so as to reasonably preclude the possibility of any discharge from the system.

Solar Pond
(WQD Reference No. 82-29)

1. The proposed solar pond appears to be extremely large, more so than necessary for the evaporation of 40 gallons per minute of wastewater and storage of the resulting salt. Ordinarily, this agency would not object to such conservatism, but in this case there is concern that leaving such a large expanse (at least 20 acres) of synthetic membrane exposed to the environment over long periods of time may lead to damage. Please indicate why such a large impoundment is proposed.

2. Several thousand tons per year of salt will be deposited in the solar pond. Please indicate the permanent disposal of this material, i.e., upon eventual shut down of the Hampshire Energy plant or exhaustion of the life of this pond.

3. The Emergency Operation Plan on page 5-5 describes procedures to be followed in the event that a leak is discovered in any storage pond. These procedures do not appear applicable to the Solar Pond as it is currently proposed. First, diversion of the very high TDS contents to the Off-Spec Diversion Pond might result in severe disruption of the wastewater treatment process. More importantly, the contents of the solar pond could exceed the capacity of the Off-Spec Diversion Pond. For these reasons, and the aspect of over-sizing discussed above, the solar evaporation facility shall be divided into at least two (2) ponds, unless convincing arguments to the contrary can be presented.

4. The Block Flow Diagram (Figure 2-1) shows the solar pond inflow rate to be 45 gpm. It is identified elsewhere in the application as 40 gpm. Please clarify this matter.

Water Treating System
(WQD Reference No. 82-26)

1. Drawings of the High TDS Waste Recovery Basin, Low TDS Waste Recovery Basin, Sludge Blowdown Pit and other sludge or waste handling facilities must be provided. The drawings shall include all pumps, solids removal equipment, chemical addition equipment, etc. The drawings need not be of construction quality, but should be reasonably accurate representations of anticipated installations. Mechanical equipment capacity shall be indicated. Piping and valving between and within various units shall also be shown. Piping sizes and materials shall be specified. Electrical, instrumentation, HVAC, structural, etc., items need not be shown unless essential to an understanding of the overall processes. Building locations, if any, should be located.

2. Flow rates and water/wastewater compositions within the system should be indicated.

3. The binary cooling towers are part of the wastewater system, therefore drawings for them, similar to those described above, must be provided.

4. The entrance of wastewater into the raw water pond is extremely unlikely, though theoretically possible. Although the raw water pond will be included as a permitted facility when a Permit to Construct is issued, no additional information need be submitted.

Emergency Ash Handling Bypass Pond
(WQD Reference No. 82-27)

No additional comments, beyond the general comments, are made at this time.

xc: Jake Strohman, WQD Cheyenne
Tony Mancini, WQD Cheyenne
Phil Pucel, WQD Cheyenne
Rich Ruyle, WQD Sheridan
Jeanne Hull, Industrial Siting Commission

4-8-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-30R

Reference No. 80-360R

BLACK THUNDER MINE SEDIMENTATION RESERVOIR 17-SR-1-M-2
(Name of Facility)

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

Mr. C. B. Smith, Thunder Basin Coal Company
P.O. Box 406
Wright, Wyoming 82732

to construct, install, or modify a sediment reservoir _____ facility according to the procedures and conditions of the application No. 82-30R. The facility is located in Sec. 17, T.43N., R.70W. _____ in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND P.E. # 1479 STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

March 23, 1982
Date of Issuance

This permit <u>does not</u> supercede the requirements for obtaining any permit from local agencies.

Plans returned 3-5-82

Water Quality Division
Groundwater Section
Permit Application Review

Application Number 82-30

Date submitted for review 2-1-82

Name and location of facility BLACK THUNDER MINE
SEDIMENT POND # 17-SR-1-M-2

I have reviewed the plans and specifications with regard to all aspects of groundwater quality and find the following:

☒ No comment. The submittal is consistent with current groundwater protection procedures and requirements.

☐ Comments attached.

Signed W. S. Even

Title Engineer Evaluator

Date 3-2-82

aym 3/2/82

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET LANDER, WYOMING 82520 TELEPHONE 307-332-3144

February 1, 1982

Dr. Fred L. Eales, D.V.M.
Aspen General Vet. Hospital
1250 West Foothill Blvd.
Rock Springs, WY 82901

RE: "As-Built" plans, DEQ #82-31

Dear Dr. Eales:

The "as built" plans of the septic tank - leach field facilities serving the Aspen General Veterinarian Hospital have been reviewed and appear to meet minimum design standards as defined by the State of Wyoming. A "Permit to Construct" cannot be issued because the facilities have already been constructed; however, you should retain this letter as proof of acceptance of the system by this department.

I would like to thank you for your cooperation is resolving this matter. This office considers the matter closed.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:ch

cc: Cheyenne DEQ/WQD
Harry Moore - Johnson-Fermelia & Crank
File

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 18, 1983

82-32R

The Monhegan Co.
307 West 200 South
Suite 4003
Salt Lake City, UT 84101

Attention: William Hughes

Dear Mr. Hughes:

Per your letter of February 22, 1983, the permit application for the temporary sewage holding pond at Chaparrel Estates in Evanston has been cancelled.

Respectfully,

Albert J. Berreth
Area III Supervisor

AJB:dcn
cc: Cheyenne DEQ/WQD
Wayne Shepherd
File (4)

THE MONHEGAN COMPANY

FEB 1983
RECEIVED
WATER QUALITY
DIVISION
WYOMING

82-32 R

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

Re: Approval of Phase 2 Chaparral Estates

Dear Mr. Berreth;

As per our phone conversation of February 18,1983 I am writing this letter to inform you that we are no longer using a temporary sewage lagoon on phase 1. A tie-in between our first phase and the permanent sewer line was completed sometime during the first quarter of 1982.

I would appreciate it if you could release approval on our second phase as soon as possible. The City of Evanston is holding up the final approval of the phase until they get your go ahead.

Your help in this matter would be greatly appreciated.

Sincerely,

William Hughes

307 WEST 200 SOUTH, SUITE 4003 • SALT LAKE CITY, UTAH 84101 • TELEPHONE (801) 322-3232

5-20-82

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

May 20, 1982

Robert W. Curry
504 S. 25th Street
Laramie, WY 82070

RE: Potable Water Supply Well, Pines Trailer Park, Laramie County (DEQ Project No. 82-34RR)

Dear Mr. Curry:

Our review of the "as built" plans and specifications for the new potable water supply well at your Pines Trailer Park has been completed.

Due to unavailable well performance pump testing data, we were unable to evaluate the long-term yield of the well or the adequacy of the pump location with respect to drawdown. However, the remainder of the well construction appears to be in general compliance with the Water Quality Division's Rules and Regulations.

Because the well has already been installed, we cannot issue a permit, but we will accept it "for the record" with the exception of its long-term operation.

If you have any questions about this, feel free to contact me about them.

Very truly yours,

Theodore D. Coyer

Theodore D. Coyer, P.E.
Engineering Evaluator

TDC/nc

cc: Donald M. Hopkins, P.E.
Hopkins & Associates
1709 Carey Avenue
Cheyenne, WY 82001

Felix Flechas
EPA
1860 Lincoln St.
Denver, CO 80295

4-8-82

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1111 East Lincolnway
Cheyenne, Wyoming 82002

PROJECT: Pines Trailer Park, Potable Water Well, Laramie Co.

ARCHITECT OR ENGINEER: Donald M. Hopkins, P.E., Hopkins & Assoc.
1709 Carey Ave., Cheyenne, WY 82001

APPLICANT: Robert W. Curry
504 S. 25th St., Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 82-34

REVIEWING ENGINEER: Theodore D. Coyer, P.E. Theodore D. Coyer

DATE OF REVIEW: April 7, 1982

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The plans indicate an estimated well capacity of 5 gallons per minute, but the pump data indicates a pumping rate of 13-14 gallons per minute. Therefore, to verify the capacity of the pump, the adequacy of the pump setting and the performance of the aquifer, at least an 8 hour pump test should be performed. The results of the test with your conclusions with respect to the above should be submitted to us.

2. Results of water analyses must be submitted.

3. The well should be protected to prevent damage from vehicles.

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1111 East Lincolnway
Cheyenne, Wyoming 82002

PROJECT: Pines Trailer Park, Potable Water Well, Laramie Co.

ARCHITECT OR ENGINEER: Donald M. Hopkins, P.E., Hopkins & Assoc.
1709 Carey Ave., Cheyenne, WY 82001

APPLICANT: Robert W. Curry, 504 S. 25th St.
Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 82-34

REVIEWING ENGINEER: Theodore D. Coyer, P.E. Theodore D. Coyer

DATE OF REVIEW: February 8, 1982

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Copy of drillers well log, showing thickness and type of any impervious overburden protective layers and type and thickness of water bearing formations penetrated must be provided.

2. How was the opening between the well casing and the bore hole sealed? To what depth was it sealed?

3. You indicated plastic pipe was used for the casing. Give complete specifications of it.

4. What type of screen was used? How long was it and how was it installed? What slot opening was used?

5. Was a pump test performed? Please submit the results.

6. Is the water bearing formation an artesian aquifer? What was the static water level?

7. At what depth was the pump set?

8. Was the well provided with a pitless adapter?

9. Give complete specifications of the pump. A pump curve showing flow versus total dynamic head should be provided.

11. Was a well vent provided? Screened?

12. Was a check valve installed? Show its location.

13. Was the well disinfected after construction? Please explain.

14. Facilities to measure water levels in the well must be provided.

15. What is the capacity of the existing pump that is used to pump the water to the distribution system?

16. Has the water from the new well been tested to insure compliance with the Environmental Protection Agency's primary drinking water standards? Please provide us with the results.

TDC/nc

3-2-82

PERMIT TO CONSTRUCT

/X/ New

/__/ Renewal

/__/ Modified

Permit No. 82-35R

LOT 3, BLOCK 19, ROLLING HILLS SUBDIVISION
SEWER AND WATER SYSTEMS
(Name of Facility)

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

City of Gillette
P.O. Box 3003
Gillette, Wyoming 82716

to construct, install, or modify a sewer collection and water distribution system facility according to the procedures and conditions of the application No. 82-35R. The facility is located in Sec. 26, T.50N., R.72W. in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
P.E. # 1479
STATE OF WYOMING

William L. Garland
Administrator
Water Quality Division

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

Robert E. Sundin
Director
Dept. of Environmental Quality

February 23, 1982
Date of Issuance

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

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 Coffeen Ave., Suite 301
Sheridan, Wyoming 82801

PROJECT: City of Gillette, Rolling Hills Resubdivision Water and Sewer, Lot 3, Block 19

ARCHITECT OR ENGINEER: Edward S. Scott
Scott Engineering Co.
P.O. Box 2097
Gillette, Wyoming 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 82-35

REVIEWING ENGINEER: Rich Ruyle RR

DATE OF REVIEW: February 11, 1982

ACTION: Not Authorized

COMMENTS:

1.) It would be helpful to show the existing sewer and water lines and the connections to the new lines on sheet 2.

2.) The existing four inch sewer services on Elon Avenue shown on sheet 3 do not agree with the six inch services on sheet 2.

3.) Service connection details are needed for both sewer and water lines.

4.) The proposed two inch water service to building 5 on sheet 3 does not agree with the one and one-half inch service shown on sheet 2. The size of the existing water services to building 5 is unclear.

5.) Thrust block locations should be shown for the water lines.

6.) Special provisions for sewer-water crossings should be referenced on the drawings.

82-36

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

February 5, 1982

Mr. Michael McDill
McDill Engineering
400 West Boxelder
Gillette, Wyoming 82716

Dear Mike:

I am writing with respect to the new sewer and water lines serving the apartment building along Trapper Lane in Rawhide Village. Your letter and sketch of the system, dated January 20, 1982, are sufficient to demonstrate compliance with this Division's minimum requirements. This particular system has been assigned Reference Number 82-36 to distinguish it from your previous application regarding the 1st Extension to Rawhide Village I. No permit for this system will be issued, however, since construction has already taken place.

To summarize, the sewer and water lines may be considered approved, and Mr. Ely faces no further permitting obligation. The Rawhide First Extension remains unapproved, pending compliance with the items mentioned in my letter of January 12, 1982.

If you have any questions, let me know.

Yours truly,

Tom Mueller

Tom Mueller
District Supervisor

TM/ls

xc: Jake Strohman, WQD Cheyenne
Lance Swanhorst, Campbell County Engineer's Office

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
270 Lincoln
LANDER, WYOMING 82520

PHONE: (307) 332-3144

CERTIFIED MAIL

PROJECT: Lake Viva Naughton Marina Water System

ENGINEER: Wayne Rosendahl
Rosendahl & Associates
1360 N. Main
Sheridan, WY 82801

OWNER: Larry Cook
Box 189
Kemmerer, WY 83101

WATER QUALITY DIVISION REFERENCE NUMBER: 82-37

REVIEWING ~~ENGINEER:~~ EVALUATOR: Frank LaBarge FL

DATE OF REVIEW: February 10, 1982

ACTION: Not authorized.

COMMENTS: A review of the water system plans has been completed. Listed below are my findings:

1. resolved
2. How high above the pump house flow does the well casing extend?
3. resolved
4. As of this date, I have not received the water analysis
5. resolved
6. Where does the pump pit drain line discharge to? Please provide details.
7. resolved
8. resolved
9. resolved
10. From my inspection it appeared the present wellhouse is beyond repair. It is our position a new structure, such as shown on the plans, needs to be built. The wellhouse detail needs to show some type of ventilation. A view showing the door should also be included. Please specify the ladder material. The heater needs to be speced.

ABC

11. What material is the tank constructed of?

12. The existing water lines will be approved. If any additional units are added Mr. Cook will have to obtain a permit from this office to modify the system. At that time we will require the water lines be increased in size.

13. A yard hydrant detail is needed showing the proposed installation.

14. resolved
15. resolved
16. resolved
17. resolved

18. A splash pad should be provided for each yard hydrant.

19. resolved

General Comments

20. Please fill out and submit an "Application for Permit to Construct" form for the water system. Do not sign it, instead write in "As Builts" where it calls for a signature.

21. Please delete all references to the sewage system from the plans. A separate "Permit to Construct" will be issued for the necessary modifications to the water system when the plans are approved.

22. At this time it appears the following modifications are needed to the water system:

- a new wellhouse is needed
- a yard hydrant needs to be installed at the end of the water line
- splash pads are needed under all yard hydrants
- any other items not listed here that are not in compliance with the approved plans

23. Please provide the necessary construction specifications for all the modifications that will have to be made.

Please submit the requested information and revised drawings, in triplicate, to this office within thirty (30) days of your receipt of this letter. Upon receipt of your reply, if everything is in order, you will be issued a permit to make the necessary modifications. If you have any questions, please call me

4-28-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-37R

Lake Viva Naughton Marina
(Name of Facility)

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

Larry Cook

Box 443

Kemmerer, WY 83101

to construct, install, or modify a water distribution system

facility according to the procedures and conditions of the application No. 82-37R. The facility is located in

Sec. 11, T23N, R117W

in the County of Lincoln,

in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
REG. # 1479
STATE OF WYOMING

William L. Garland
Administrator
Water Quality Division

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

Robert E. Sundin
Director
Dept. of Environmental Quality

March 18, 1982
Date of Issuance

This permit <u>does not</u> supercede the requirements for obtaining any permit from local agencies.

FL:ch

3-5-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-38R
SEE SPECIAL CONDITION

Brown Oil Tool Company
(Name of Facility)

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

Don's Piping

P.O. Box 365

Casper, WY 82602

to construct, install, or modify a subsurface wastewater disposal facilities according to the procedures and conditions of the application No. 82-38R. The facility is located in Westgate #3, Lot 4 and 5, Section 34, T34N, R80W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 30, Sheridan, Wyoming 82801; telephone, 672-6457.

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

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

AUTHORIZED BY:

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

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. SARLAND P.E. # 1479 STATE OF WYOMING

Administrator
Water Quality Division

Director
Dept. of Environmental Quality

February 24, 1982
Date of Issuance

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

cc: J. R. Vemich
Petro Engineering & Construction
Box 308
Evansville, WY 82636

Condition to Permit to Construct

The intent of the construction authorized by this permit is to provide facilities for the interim treatment of wastewater until such time that treatment is available through a regional wastewater system. The Casper Urban Water Quality Management Plan requires that treatment be provided through a regional system. The facilities authorized by this permit will be operated until services are available through the approved regional system. At that time these facilities will be abandoned or integrated into the regional system in accordance with the requirements of the Casper Urban Water Quality Management Plan and the Final 201 Facility Plan.

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1111 East Lincolnway
Cheyenne, Wyoming 82002

PROJECT: Brown Oil Tool Co., Natrona Co.

ARCHITECT OR ENGINEER: J. R. Vemich, P.E., Petro Engineering & Consulting
Box 308, Evansville, WY 82636

APPLICANT: Dons Piping
Box 365, Casper, WY 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 82-38

REVIEWING ENGINEER: Theodore D. Coyer, P.E. Theodore D. Coyer

DATE OF REVIEW: February 8, 1982

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Show the relationship of the building and wastewater disposal facilities to driveways and parking lots. (The disposal fields must not be located under driveways or parking lots.)

2. Will any toxic or hazardous materials be stored in the building?

3. Which system is for the domestic wastewater?

4. What are the sizes and specifications of the pipe from the building to the septic tanks and leach beds? What are the slopes?

5. The pipe which enters the side of the septic tank (middle of page) must be as far as possible from the outlet.

6. The elevation of the inlet must be at least 3 inches above the outlet.

7. At least 12 inches of cover should be placed over the leach bed system.

TDC/nc

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

October 22, 1986

Mr. B. H. Balthrop
District Manager
Amoco Production Company
P.O. Box 1400
Riverton, WY 82501

Re: Permit GPC 82-39R, Beaver Creek Gas Plant Disposal Well #48, S10, T33N, R96W, Fremont County, Wyoming

Dear Mr. Balthrop:

This is a response to your letter of October 14, 1986, which describe's Amoco's proposal to demonstrate the mechanical integrity of the subject well.

There is concern that if the packer remains where it is - set at 2186 feet, approximately 1350 feet above the top of the perforations at 3537 feet - and leaks develop in the casing between the packer and perforations, these leaks may not be detected by normal monitoring and testing. Such leaks would endanger groundwater in sandstones overlying the receiver. If Amoco's proposal of October 14 is accepted, most likely the permit will be modified to require acceptable tracer tests to be conducted at least once annually, and survey results to be submitted (in triplicate) each time. The submitted results would include logs, a detailed narrative describing how the logs were run and results and conclusions, and a description of appropriate procedures used to assure accuracy.

Using only 500 psi pressure to test the casing/tubing annulus of the subject well does not seem appropriate. Provide more justification for testing with only 500 psi pressure.

Your letter did not include information which shows that the maximum anticipated injection pressure will not fracture confining beds. Provide this information.

Please provide the requested information and any additional comments within 30 days of receipt of this letter.

Sincerely,

A J Mancini

A. J. Mancini
Groundwater Control Supervisor

AJM/nc

cc: Janie Nelson, OGCC, Casper
Paul Osborne, EPA, Denver

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

September 18, 1986

Mr. B. H. Balthrop
District Manager
Amoco Production Company
P.O. Box 1400
Riverton, WY 82501

RE: Permit GPC 82-39R, Beaver Creek Gas Plant Disposal Well #48, S10, T33N, R96W, Fremont County, Wyoming

Dear Mr. Balthrop:

Section K of the subject permit states that at a minimum of once every five years (more frequently if required) the permittee shall demonstrate the continued sound and unimpaired condition of all components of the injection well by well mechanical integrity testing. An injection well has mechanical integrity if there is no significant leak in the casing, tubing or packer; and there is no significant movement of injected fluid through vertical channels adjacent to the injection well bore. The absence of leaks will be determined by an acceptable pressure test.

Integrity testing of well #48 was performed in November of 1981, which means another demonstration should be performed in November of 1986 or very soon thereafter.

An acceptable mechanical integrity test is a prerequisite for continuation of the permit. A permit review is required every five years and will be conducted next year. The permit review will consider all aspects of the operation authorized by the Department of Environmental Quality. Certain aspects are directly related to well mechanical integrity and should be addressed by Amoco along with plans for mechanical integrity testing in 1986. These include:

1. Location of the downhole packer. A 1985 workover of the well resulted in the packer being reset at 2186, some 1350 feet above the top of the perforations at 3537. The existing permit states that a Baker Loc-Set Packer is set at 3410 feet. If Amoco does not want to move the packer to just above the perforated interval, justification must be provided for not moving it. If it is not moved, the Department of Environmental Quality may require annual well surveys to demonstrate mechanical integrity.

2. Testing pressure. For a newly installed well it is required that the well be pressure tested with a pressure at least equal to the maximum injection pressure to be utilized by the permittee. This pressure must be less than a pressure which would be expected to fracture confining beds. Well #48 is not a newly installed well and it may not be appropriate to subject it to a maximum pressure test.

It is requested that Amoco propose a procedure to demonstrate mechanical integrity of well #48. If this procedure is anything other than a maximum pressure test, complete justification for the procedure should be provided. Amoco should indicate whether or not the packer will be moved to just above the perforations; and if not, justify the decision. Amoco's proposal should also include information which shows that the maximum anticipated injection pressure will not fracture confining beds.

Please provide the requested information at your earliest convenience. Also, provide sufficient advance notice so that a Water Quality Division representative may witness any test if desired by the Water Quality Division.

The Water Quality Division will comment on your proposal within 30 days of receipt.

Sincerely,

AJ Mancini

A. J. Mancini
Groundwater Control Supervisor

AJM/nc
cc: Janie Nelson, OGCC, Casper
Paul Osborne, EPA, Denver

GPC 82-39R

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

June 24, 1985

CERTIFIED

Kevin Kilstrom
Amoco Production Company
P.O. Box 1400
Riverton, WY 82501

Dear Mr. Kilstrom:

The Department of Environmental Quality, Water Quality Division, is in receipt of your letter dated June 19, 1985. No matter how small the leak on the annulus of disposal well #48, it is still considered as a malfunction of the discharge injection system and as noncompliance. The Environmental Quality Act prohibits the discharge of any pollution or wastes without a permit. The small leak is not considered significant, but white salts are accumulating on the ground from the leak which will make the area unsuitable for plant life. Without plant life, erosion is more probable. The mechanical integrity of the disposal well is also in question when leaks occurr.

The Division is also concerned that Amoco has had another problem in the past with a packer and has not followed the contingency provisions of the GPC permit issued for the disposal well. Amoco is required to comply with the provisions of permit GPC 82-39R. Section A. states "This permit does not authorize the discharge of plant waste into Beaver Creek at any time or to the surface." Section P. states "Operations shall terminate immediately if mechanical integrity of well or system fails and or a leak or unauthorized fluid movement occurs."

In Matthew M. Langenfeld's letter dated June 11, 1985, certain information was requested to be submitted. This submission was due no later than June 22, 1985. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance, as set forth in Section I, paragraph 6 of permit GPC 82-39R.

Amoco is required and expected to comply with the provisions of the permit. Please take appropriate steps to ensure the above information is submitted and future operations are in compliance with the permit.

Sincerely,

William L. Garland
Administrator

WLG/MML/nc

cc: B. H. Balthrop, Amoco
Joe Livesay, Amoco
Jake Strohman, DEQ/WQD, Cheyenne
A. J. Mancini, DEQ/WQD, Cheyenne
Steve Gerber, DEQ/WQD, Lander
Matt Langenfeld, DEQ/WQD, Cheyenne

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

October 29, 1982

Mr. B. H. Balthrop
District Superintendent
Amoco Production Company (USA)
P.O. Box 1400
Riverton, WY 82501

RE: Permit GPC 82-39R

Dear Mr. Balthrop

Enclosed is the signed permit for the operation of the Beaver Creek Gas Plant Disposal Well #48 in the SE1/4 SW1/4 Section 10, T33N, R96W, Fremont County, Wyoming.

Please note the following:

1. Permittee is required to report in writing within thirty (30) days which wells listed in Attachment 6 of the original application have penetrated the injection zone and which of these are open (uncemented) in any part of the injection zone, as stated in Section 0 of the permit.

2. This permit does not authorize the discharge of wastes into Beaver Creek or to the surface.

3. Required analytical data shall be reported quarterly, within thirty (30) days after the end of the reporting period, to the Groundwater Section of the Division (a permit requirement). Assuming that disposal commences in 1982, the first report should be for the fourth quarter (ending December 31) 1982, and should be submitted by January 30, 1983.

4. Average and maximum daily injection rate (volume) and pressure shall be reported on a monthly basis; accumulative injection volume shall be reported at the same time (a permit requirement). If disposal is underway in November of 1982, the first report (for November) shall be submitted to the Groundwater Section by December 30, 1982.

5. Also enclosed with this letter are a dozen copies of a form which must accompany the submittal of information to the Division/Section. This form can be reproduced, or additional copies may be requested as needed. Note Signatories Requirement in the Permit (Section Q). If an authorized representative is to sign the form, a principal executive officer of at least the level of vice-president must make a written authorization as described in Section Q of the Permit.

Sincerely,

William L. Garland
Administrator

WLG/AJM/nc

DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE OF WYOMING

AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS
(Permit to Inject)

(X) New (Existing Well and Discharge) Permit Number:

( ) Modified GPC 82-39R

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through (iv), Laws 1973, Ch. 250, Section 1) and Water Quality Rules and Regulations Chapter IX (September 4, 1980),

Amoco Production Company U.S.A.
P.O. Box 1400
Riverton, WY 82501

is authorized to operate

the Beaver Creek Gas Plant Disposal Well #48, in the SE1/4 SE1/4 SW1/4 Section 10, T33N, R96W, Fremont County, for the subsurface injection of industrial wastes

according to procedures and conditions of the application GPC82-39R and requirements and other conditions of this permit.

This permit shall become effective on date of issuance.

Administrator - Water Quality Division
1111 East Lincolnway
Cheyenne, WY 82002
Phone: (307) 777-7781

October 29, 1982
Date

Director - Department of Environmental Quality
401 West 19th Street
Cheyenne, WY 82002

October 29, 1982
Date

A. Discharge (Injection) Zone and Area of Review 59

Injection is authorized into the second Cody sandstone of the Mesaverde formation through perforations 3484-3580 feet. Injection and disposal into any other interval is prohibited. 63 64 65

This permit does not authorize the discharge of plant wastes into Beaver Creek at any time, or to the surface, in violation of any other issued or required permit including an NPDES permit. 68 69 70

The area of review encompasses Section 10 and portions of Sections 2, 3, 4, 9, 11, 14, 15, 16, all in T33N, R96W, in Fremont County and all within the Beaver Creek Unit. 73 74 76

B. Groundwater Classification 79

Groundwater in the injection zone is Class VI: 83

The zone has been a receiver for injected oil and gas field wastes (produced water) for a number of years, and still is. Prior to use as a disposal well, Well #48 was used for water enhanced oil recovery. 86 87 88 89

C. Authorized Operations

The permittee is authorized to inject into the second Cody of the Mesaverde formation, through perforations at 3484-3580, industrial wastes consisting of:

Cooling tower and medium pressure steam boiler blowdowns and infrequent amine filter and heat exchanger backwashes, and other gas plant wastes (SIC 492, SIC 13, as determined by the DEQ/WQD).

Analysis of the discharge (waste stream) is reported (July 10, 1981) as:

pH	8.39 s.u.	Chromium	0.2 mg/l
TDS	5120 mg/l	Oil and grease	6.3 mg/l
5-day BOD	94 mg/l	Phenol	0.16 mg/l
COD	800 mg/l	Aluminum	0.14 mg/l
Sulfide	22 mg/l	SS	13 mg/l
Iron	1.2 mg/l		

The proposed discharge pressure is 1200 psig and the maximum discharge (injection) pressure shall not exceed 2000 psig.

The average discharge (injection) rate is anticipated to be 600 barrels per day, and shall not exceed 1100 barrels per day.

D. Proper Operation and Maintenance 128

The permittee is required to conduct the operation in accordance with statements, representations and procedures presented in the complete permit application and supporting documents, as accepted and approved by the Administrator. 132 133

The permittee is required at all times to properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve permit compliance. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls, including appropriate quality assurance procedures. 137 138 139 140 141

The subsurface discharge (injection) authorized by permit shall be consistent with the conditions and content of the permit; any modifications which will result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued. 145 146 147 148

E. Entry and Inspection 151

The permittee shall allow the Administrator, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to: 155

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit; 158 159 160

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit; 164

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and 167 168 169

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the appropriate rules and regulations of the Department, any substances or parameters at any location. 173 174

F. Environmental Monitoring Program for Groundwaters of the State 177

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. 181

2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least three (3) years after closure of the facility. 185 186 187

3. Records of monitoring information shall include: 190

   a. The date, exact place, and time of sampling or measurements; 193

   b. The name(s) of individual(s) who performed the sampling or measurements; 196

   c. The date(s) analyses were performed; 199

   d. Names of individuals who performed the analyses; 202

   e. The analytical techniques or methods used; and 205

   f. The results of such analyses. 208

4. The prescribed program for this permitted activity is as follows: 211

   The Amoco Beaver Creek Tensleep #118 water well (State Engineer Permit No. U.W. 51107), in the NW1/4 NE1/4 of Sec. 16, T33N, R96W, shall be sampled quarterly for a period of one year from the date of this permit, then once annually unless more frequent sampling becomes necessary because of indications of injection fluid migration or other circumstances. 215 216 217 218 219

   Parameters for analysis include, at a minimum: 222

Sodium	Sulfate	Oil and grease	Sulfide	226
Potassium	Chloride	Total dissolved solids	Chromium	227
Calcium	Carbonate	Phenol	Aluminum	228
Magnesium	Bicarbonate	Iron	pH	229

   Results shall be reported as required in Section G. of this permit. 233 234

G. Requirements for Monitoring the Discharge

Discharge (injection) volume and/or pressure shall be controlled and monitored to prevent fracturing of confining strata. Injection pressure shall be monitored continuously.

Average and maximum daily injection rate (volume) and pressure shall be reported on a monthly basis. Accumulative injection volume shall be reported at the same time.

The wastewater shall be sampled just before being injected, and analyzed, quarterly. Parameters, at a minimum, shall include:

pH	Sulfide
Total dissolved solids	Iron
Suspended solids	Chromium
5-day BOD	Aluminum
COD	Phenol
Oil and grease	

Analytical results shall be reported quarterly. The report shall include the information specified in Section F.3. of this permit.

All data shall be reported within thirty days after the end of the reporting period. Information shall be reported to:

DEQ/Water Quality Division
Groundwater Section
1111 East Lincolnway
Cheyenne, WY 82002

H. Test Procedures 286

Test procedures for the determination of water quality parameters and constit- 290
uents shall be in accord with provisions of Water Quality Rules and Regulations 291
Chapter VIII, Section 7.

I. Records and Reports 294

1. The permittee shall retain copies of all reports required by this permit, 297
and records of all data used to complete the application for this permit, 298
for a period of at least three (3) years from the date of the report or 299
application.

2. The permittee shall give notice to the Administrator as soon as possible of 303
any planned physical alterations or additions to the permitted facility.

3. The permittee shall give advance notice to the Administrator of any planned 307
changes in the permitted facility or activity which may result in noncom- 308
pliance with permit requirements.

4. Monitoring results shall be reported at intervals specified elsewhere in 312
the permit.

5. Reports of compliance or noncompliance with, or any progress reports on, 316
interim and final requirements contained in any compliance schedule of this 317
permit shall be submitted no later than 14 days following each schedule
date.

6. The permittee shall report any noncompliance which may endanger health or 321
the environment, orally within 24 hours from the time the permittee becomes
aware of the circumstances. The report should include: 322

a. Any monitoring or other information which indicates that any contam- 325
inant may cause an endangerment to a usable Groundwater of the State. 326

b. Any noncompliance with a permit condition or malfunction of the dis- 329
charge (injection) system which may cause fluid migration into or 330
between usable Groundwaters of the State. 331

A written submission shall be provided within five (5) days of the time the 335
permittee becomes aware of the circumstances. This written submission 336
shall contain a description of the noncompliance and its cause; the period
of noncompliance, including exact dates and times, and if the noncompliance 337
has not been corrected, the anticipated time it is expected to continue, 339
and steps taken or planned to reduce, eliminate, and prevent reoccurrence
of the noncompliance. 340

7. The permittee shall report all instances of noncompliance not reported 344
otherwise, at the time monitoring reports are submitted; such reports shall
contain the information listed in 6. above. 345

8. Where the permittee becomes aware that it failed to submit any relevant 349
facts in a permit application, or submitted incorrect information in a
permit application or in any report to the Administrator, it shall promptly 350
submit such facts or information. 351

9. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The Administrator may require the owner/operator to deliver the records to the Administrator at the conclusion of the retention period.

10. A new injection well may not commence injection (discharge) until construction is complete and:

    a. The permittee has submitted notice of completion of construction to the Administrator, and

    b. The Administrator has inspected or otherwise reviewed the new injection well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the Administrator of intent to inspect or otherwise review the facility within thirteen (13) days of the notice of a. above, in which case prior inspection or review is waived and the permittee may commence injection.

11. Annual reports shall be submitted to the Administrator within thirty (30) days following the anniversary date of the permit.

12. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the Administrator within thirty (30) days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

J. <u>Permit Actions</u>

After notice and opportunity for a hearing, a permit may be modified, suspended or revoked in whole or part during its term for cause which includes, but is not limited to, any of the following:

1. Violation of the permit;

2. Obtaining a permit by misrepresentation or failure of the discharge well or system.

Each permit is reviewed at least once every five (5) years, and may be reviewed more frequently.

A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit is issued.

A permit may be modified in whole or part in order to apply more, or less, stringent standards; or prohibitions for a toxic or other substance present in the permittee's discharge, as may be ordered by the Council.

This operation (permit) can be terminated by authority of the Administrator for one or more permit violations.

Public notice of the permit review and request for public comment will be made every ten (10) years by the Administrator.

K. Mechanical Integrity

Each discharge well and associated discharge facilities is required to have mechanical integrity which demonstrates the unimpaired condition of the well and facilities. The approved procedures for demonstrating the mechanical integrity for the well and facilities handling the discharge authorized by this permit consist of:

At a minimum of once every five (5) years and more frequently if required by DEQ/Water Quality Division, the permittee shall demonstrate the continued sound and unimpaired condition of all components of the injection well by well mechanical integrity testing. An injection well has mechanical integrity if there is no significant leak in the casing, tubing or packer; and there is no significant movement of injected fluid into an underground source of usable water through vertical channels adjacent to the injection well bore. The absence of leaks will be determined by an acceptable pressure test. Permittee shall provide WQD sufficient advance notice so that a WQD representative may witness the test if desired by WQD. Written results shall be provided WQD as soon as results are available.

The absence of significant fluid movement will be determined by the results and interpretation of appropriate geophysical log(s), such as a cement-bond, temperature, noise, or other log, or combination of logs.

Integrity testing of Well #48 was performed in November of 1981. Tubing was pressure tested; two joints of tubing were replaced. The downhole packer and wellhead assembly were inspected.

Testing procedure used by the permittee: tubing tested to 2000 psi every 500 feet while tubing in the hole; backside tested to 500 psi; tubing again tested to 2000 psi.

Well is equipped with a Baker Loc-Set Packer, set at 3410 feet with 10,000# tension. The annulus is open to the atmosphere.

TD: 3700'
PBTD: 3593'
Casing: 10-3/4" 32.75# H-40 CSA 232'
7" 20# 8rd J-55 CSA 3700'
Tubing: 2-7/8" EUE 8rd 6.5# J-55 SA 3455'
Perforations: 3537-3580' w/4 JSPF

Inasmuch as the seven-inch long string casing is not cemented above 1500 feet, any water sand opposite the uncemented portion of the casing shall be protected in the event of a significant casing leak or vertical movement along the casing. Protection can be provided by isolating the water sand(s) by cementing through perforations ("squeeze cementing") or by some other method acceptable to and approved by the WQD Administrator.

The operation (discharge) of any well or system will terminate immediately if mechanical integrity of the well or system fails and/or a leak or unauthorized fluid movement occurs. The discharge shall be discontinued until mechanical

integrity has been restored and permission to continue the discharge has been 493
obtained from the Administrator.

L. Abandonment

The permittee shall notify the Administrator at least 180 days before well abandonment. Immediately following the permanent cessation of subsurface discharge or related activity, or where a well has not been completed, the applicant/permittee shall notify the Director and follow the procedures prescribed by the Director for plugging and abandonment or the discontinuance of related activities:

WQD abandonment requirements shall be coordinated with requirements of the Wyoming Oil and Gas Conservation Commission.

WQD requires at a minimum that the injection zone be permanently isolated from overlying and underlying aquifers; that interaquifer communication be permanently prohibited; and that the well be permanently secured against the injection or disposal of anything after abandonment.

M. Duties of the Permittee 519

It is a duty of the permittee to: 522

1. Comply with all permit conditions; 525

2. Halt or reduce activity -- it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the permit conditions; 529 530

3. Take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit; 534

4. Furnish to the Administrator within a reasonable time, any information which the Administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit; and furnish to the Administrator, upon request, copies of records required to be kept by this permit. 538 539 540 541

N. Financial Responsibility 544

The permittee is required to maintain financial responsibility and resources in form approved by the Director, to close, plug and abandon the discharge operation in a manner prescribed by the Director. 548 549

The required Certification of Financial Responsibility has been submitted by the permittee. 553 555

O. Special measures the Director finds necessary: 559

Permittee shall: 562

1. Review all unplugged wells listed in Attachment 6 of the original application; 565

2. Report in writing to the WQD within thirty (30) days after the issuance date of this permit, which wells if any have penetrated the injection zone and which of these are open (uncemented) in any part of the injection zone; and 568 569 570

3. Take corrective or other action prescribed in a compliance schedule as may be established for Amoco by the WQD. 573 575

P. Special permit conditions: 578

Pollution or waste which migrates into an aquifer containing a usable groundwater of the State is a violation of the permit. 582

Mechanical integrity -- operations terminate immediately if mechanical integrity of well or system fails and/or a leak or unauthorized fluid movement occurs. 586

Q. Signatories Requirement 589

All reports required by this permit and other requested information shall be signed as follows: 593

For a corporation -- by a principal executive officer of at least the level of vice-president; 597

For a partnership or sole proprietorship -- by a general partner or the proprietor, respectively; 601

For a municipality, State, Federal or other public agency -- by either a principal executive officer or ranking elected official; or 605

By a duly authorized representative for any of the above. A person is a duly authorized representative only if: 609

1. The authorization is made in writing by one of the described principals; 612

2. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and 616

3. The written authorization is submitted to the Administrator. 619

If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Administrator prior to or together with any reports or information, to be signed by an authorized representative. 623 624 625

Any person signing a report or other requested information shall make the following certification: 629

> "I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment." 632 633 634 635 636 637

R. Noncompliance 640

Any permit noncompliance constitutes a violation of the permit. 643

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification or planned changes or anticipated noncompliance, does not stay any permit condition. 646 648

S. Permit Transfer 651

The owner/operator of record (permittee) is always responsible for permit compliance. A permit holder cannot transfer his permit without approval of the Department Director. 655 656

T. Responsibilities 659

Nothing in this permit shall be construed to preclude the institution of any 663
legal action or relieve the permittee from any responsibilities, liabilities or 664
penalties established pursuant to any applicable State law or regulation.

U. Property Rights 667

The issuance of this permit does not convey any property rights in either real 671
or personal property, or any exclusive privileges, nor does it authorize any 672
injury to private property or any invasion of personal rights, nor any infringe- 673
ment of Federal, State or local laws or regulations.

V. Severability 676

The provisions of this permit are severable, and if any provision of the permit, 680
or the application of any provision of this permit to any circumstance, is held 681
invalid, the application of such provision to other circumstances, and the 682
remainder of this permit, shall not be affected thereby.

GPC82-39R

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

June 29, 1982

Paul Osborne
EPA, Region VIII
1860 Lincoln St.
Denver, CO 80295

Dear Paul:

I would like some timely assistance from EPA, concerning the included partial documents.

Included with this letter is certain information associated with two applications for Groundwater Pollution Control permits:

GPC 82-39R - Amoco Production Co. (U.S.A.), Beaver Creek Gas Plant Disposal Well #48, Fremont Co., WY; and

GPC 82-107R - Chevron U.S.A. Inc., Carter Creek Disposal Well WDW1-5F, Uinta Co., WY.

The Amoco well is an existing well for the disposal of oil field produced water. Amoco wants to also dispose of process waste in this well. I would like EPA's opinion of response #1 in Amoco's letter of May 18, 1982, enclosed.

The Chevron well is a new well, construction of which has been permitted by the WY OGCC. This well is not yet in use. Chevron wants to dispose of process waste from the gas plant under construction, and oil-field produced water. I would like EPA's opinion of Comment 2 in Chevron's letter of June 18, 1982, enclosed.

Thank you in advance for your assistance.

Sincerely,

Tony

A. J. Mancini
Groundwater Control Supervisor

AJM/nc
Enclosures

File copy

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

March 23, 1982

B. H. Balthrop
District Supervisor
Amoco Production Company
P. O. Box 1400
Riverton, WY 82501

RE: DEQ/WQD Application Number GPC 82-39; Beaver Creek Gas Plant Disposal Well #48

Dear Mr. Balthrop:

The Groundwater Section of the Water Quality Division has reviewed the subject application for the subsurface injection of plant process waste. We are making comments to you, some of which require responses on your part. Following these primary comments are two additional comments which require more investigation by the WQD, before we can say that responses are necessary.

Primary Comments

1. Provide information on the chemical composition and physical characteristics (including average and maximum concentrations and volumes) of the additives used to treat the discharge:

   (a) oxygen scavengers;
   (b) corrosion inhibitor;
   (c) scale inhibitor;
   (d) biocide.

2. The application states that the discharge (plant waste) can be directed into Beaver Creek at any time (Permit #WY-0000248). However, it is our understanding that Amoco may have a problem meeting the discharge limits of this permit. The issuance of a subsurface injection permit does not authorize Amoco to discharge wastes to the surface in violation of the existing NPDES permit, even as part of a contingency plan.

3. With reference to Attachment 3 of the application and use-suitability of groundwaters in the Mesaverde: this would be determined by the WQD based on provisions of WQD Rules and Regulations Chapter VIII. If the TDS concentration of water in the receiver is not in excess of 10,000 mg/l (ppm) -- and this appears to be the case, as indicated by "Table 1" -- then the groundwater in the receiver must be such as to be classified as unsuitable for use because of contamination and/or its location including depth below the surface. Classifi-

cation is made as part of the review process. If Amoco has been disposing of produced water into the receiver under discussion, the Groundwater Section will make a Class VI (unsuitable for use) recommendation.

4. As shown on the "Road Map" submitted with the application, Well #48 appears to be in SE SE SW Section 10. Please confirm or provide correction.

5. Provide additional available information on the water well (#118-2), such as location, depth, yield, producing interval, pump setting, static water level, casing and completion details, State Engineer's permit number, date of last water analysis and analytical results.

6. Is Well #48 cemented from surface to total depth? Please provide an annotated sketch showing formation name and lithology opposite any uncemented portion of the well (if any). Also provide an annotated sketch of casing, cement, completion details of that portion of the well not shown as part of Attachment 7.

7. What part (how-much) of the discharge reported on Attachment 8 is or will be plant waste (average and maximum)?

8. Is the annulus between the tubing and the long string normally filled with an approved fluid? Is a pressure maintained on the annulus, and is it gauged? Describe the locations and types of pressure gauges which indicate the status of the system. What would be considered a "major pressure loss" (Attachment 9) and where would this be measured or gauged?

Additional Comments

9. WQD guidelines specify the signators to GPC permit applications. It is not certain that the signator to Amoco's application is one of those specified and acceptable. WQD will follow up on this and inform Amoco as soon as it is practical to do so.

10. Evidence of financial responsibility normally is required to be submitted with the GPC permit application. The WQD is attempting to determine if Amoco must submit this, if Amoco has already provided the OGCC with an adequate bond. WQD will inform Amoco on the outcome of this determination.

Sincerely,

A J Mancini

A. J. Mancini
Groundwater Control Supervisor

AJM/pjb

cc: WQD, Lander
Chris Moore, Amoco Production Company, P. O. Box 1400, Riverton, WY 82501

COPY

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 13, 1872

B. H. Balthrop
District Supervisor
Amoco Production Company
P. O. box 1400
Riverton, WY 82501

RE: DEQ/WQD Application Number GPC 82-39; Beaver Creek Gas Plant Disposal Well #48

Dear Mr. Balthrop:

In the letter to you March 23, 1982, were two "additional comments" which required investigation by the WQD. This letter pertains to those comments.

The "signature of the applicant" does not appear to be the same as the "printed name of the person signing". In the case of corporations, the application must be signed "by a principal executive officer of at least the level of vice-president, or his duly authorized representative if such representative is responsible for the overall operation of the facility from which the discharge described in the application originates". (Note: the EPA UIC regulations require that the application be signed by a vice-president.) Please indicate in your response whether the signature of the applicant is the same as the printed name, and document whether the signator is a vice-president or a duly authorized representative.

Enclosed is one complete copy of the financial responsibility form normally required to be submitted with the application. Please complete all parts and return it to this office; one copy is sufficient.

Sincerely,

A J Mancini

A. J. Mancini
Groundwater Control Supervisor

AJM/pjb
Enclosures

cc: WQD, Lander
Chris Moore, Amoco Production Company
P. O. Box 1400, Riverton, WY 82501

3-5-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-40R

2 C All Events Center, Inc.
(Name of Facility)

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

2 C All Events Center, Inc.

P.O. Box 935

Rawlins, WY 82301

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 82-40R. The facility is located in Section 24, T21N, R87W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND P.E. # 1479 STATE OF WYOMING

William L. Garland
Administrator
Water Quality Division

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

Robert E. Sundin
Director
Dept. of Environmental Quality

February 24, 1982
Date of Issuance

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

cc: Rex A. Behrends
Robert Jack Smith & Assoc.
P.O. Box 1104
Rawlins, WY 82301

2-10-82

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1111 East Lincolnway
Cheyenne, Wyoming 82002

PROJECT: 2 C All Events Center, Inc., Carbon Co.

ARCHITECT OR ENGINEER: Rex A. Behrends, P.E., Robert Jack Smith & Assoc.
P.O. Box 1104, Rawlins, WY 82301

APPLICANT: 2 C All Events Center, Inc.
P.O. Box 935, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 82-40

REVIEWING ENGINEER: Theodore D. Coyer, P.E. Theodore D. Coyer

DATE OF REVIEW: February 8, 1982

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Before a complete evaluation of the proposal can be made, the following information is needed:

1. Approximately how often will this facility be used?

2. What is the seating capacity? (How did you arrive at 300?)

3. How long do the events last (one hour, three hours, etc.)?

4. How will the facility be used when there are no events taking place?

5. How many rest room fixtures will be provided?

TDC/nc

7-30-82

PERMIT TO CONSTRUCT

/X/ New

/__/ Renewal

/__/ Modified

Permit No. 82-41RR
EPA C560229-94

Laramie Wastewater Treatment Plant - I. P. Beds
(Name of Facility)

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

City of Laramie

P.O. Box C

Laramie, WY 82070

to construct, install, or modify infiltration percolation beds and related pumping facilities according to the procedures and conditions of the application No. 82-41RR. The facility is located in Section 20, T16N, R73W in the County of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND STATE OF WYOMING

Administrator
Water Quality Division

July 19, 1982
Date of Issuance

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

Director
Dept. of Environmental Quality

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

cc: Gordon W. Bruchner
ARIX
760 Horizon Drive
Grand Junction, CO 81501

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

PLANS AND SPECIFICATIONS APPROVAL AND AUTHORIZATION TO ADVERTISE

July 19, 1982

Mr. George P. McConnaughey
City Manager
City of Laramie
P.O. Box C
Laramie, WY 82070

Re: City of Laramie, WY
C560229-94
Plans and Specifications
Authorization to Advertise

Dear Mr. McConnaughey:

The plans and specifications for the construction of water pollution control facilities for the referenced project have been reviewed by the State of Wyoming, Department of Environmental Quality. This office hereby approves the plans and specifications and is enclosing a permit to construct.

This project may now be advertised and bids opened. You are requested to furnish this office with the date this project is to be advertised and the date on which bids will be opened as soon as possible. You are reminded to complete the enclosed checklist and associated documentation when bids are opened.

The following points should be brought to your attention at this time:

1. Contracts may not be awarded until authorization has been given by DEQ.

2. Prior DEQ approval is required for rejection of bids on any contract on this project.

3. Current wage rates must be in the specifications prior to bid opening.

4. Bidders must submit a signed statement as to whether they have previously performed work subject to the President's Executive Order, No. 11246, with their bids.

5. Contact EPA if any questions arise concerning MBE/WBE utilization on this project.

The procedure for submission and approval of modifications to the approved plans and specifications is the same as for the original set; i.e., five copies of any proposed modifications, together with an explanation of the reasons therefor should be forwarded to us. Unauthorized modifications of approved sets of plans and specifications may result in suspension of federal participation in the project.

Sewer service should be provided as originally recommended in the Facility Plan and as designed in detail plans for interceptors and wastewater treatment facilities. If a determination is made that any section of the recognized future service area will not become tributary to the collection and treatment system, then costs associated with the construction of facilities for transportation and treatment of the flow contribution of the section will be found ineligible.

Following approval of the enclosed checklist and associated documentation by the State of Wyoming Department of Environmental Quality, you will be notified the construction contracts may be awarded.

We are sending the approved plans and specifications for the referenced project which must be kept available at all times so that personnel from this office may have access to them during inspection activities.

Sincerely,

William L. Garland
Administrator

Enclosures (Plans and Specifications, Bid Document Checklist)

cc: Corps of Engineers, Omaha (w/ enclosure)
Corps of Engineers, Denver
EPA (P & S Checklist only)
Engineer (w/ enclosure)
DEQ Inspector (w/ enclosure)

4-27-82

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
~~XXXXXXXXXXXXXXXXXXXXXXXX~~ 1111 East Lincolnway
Cheyenne, Wyoming 82002

PROJECT: City of Laramie, WWTP Phase II, Infiltration/Percolation Beds, Albany County

ARCHITECT OR ENGINEER: ARIX, 760 Horizon Drive, Grand Junction, CO 81501
ATTN: Tim Carlson

WATER QUALITY DIVISION REFERENCE NUMBER: 82-41R (EPA C560229-94)

REVIEWING ENGINEER: Tom C. Tom Conrardy and Ted Coyer Ted Coyer

DATE OF REVIEW: 4-20-82

ACTION: Not authorized for construction.

COMMENTS: Based on an analysis of the winter in-stream conditions of the Laramie River at Laramie, Mr. John Wagner of this Department has determined that it may be possible for Laramie to comply with water quality requirements during the winter months without installing an additional ammonia removal mechanism. Mr. Wagner has informed you of the proposed permit limitations via telephone.

The preparation of revised detail plans may proceed, therefore, without the necessity of providing winter storage capacity.

Please keep in mind comments 3, 5, 6, 7, and 9 of our March 8, 1982 review letter in preparing the revised drawings.

If we may be of any assistance, feel free to contact us in this office.

3-15-82

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1111 East Lincolnway
Cheyenne, Wyoming 82002

PROJECT: City of Laramie, WWTP Phase II, Infiltration/Percolation Beds, Albany Co.

ARCHITECT OR ENGINEER: ARIX, 760 Horizon Dr.
Grand Junction, CO 81501

APPLICANT:

WATER QUALITY DIVISION REFERENCE NUMBER: 82-41 (EPA C560229-94)

REVIEWING ENGINEER: Tom Conrardy and Ted Coyer Tom Conrardy Ted Coyer

DATE OF REVIEW: March 8, 1982

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The I/P bed pilot project was inconclusive in offering a recommended solution to the problem of achieving the required ammonia removal performance in the winter months. On page 20 of the pilot plant study several alternatives are presented for coping with the low ammonia removal rates in winter but the report is not specific on which method or methods will be used. Two of these will not be acceptable. The permit cannot be relaxed with respect to winter ammonia requirements, and use of groundwater to dilute the effluent to meet effluent concentration limitations is not permissable. The storage lagoons will have a capacity of about one month. This will not be a solution in consideration of the extended cold periods which are likely in the Laramie area. The alternative of increasing the cation exchange capacity is unproven in dependability as well as actual performance and there is no mention in the plans or specifications of any intent or procedure to accomplish this. How, specifically, will the winter ammonia limitations be met?

2. No ability to drain the holding ponds through the I/P beds has been incorporated into the detail plans. Is the retained wastewater intended to leach into the groundwater? The only other apparent outlet is an over flow into the Laramie River.

3. The locations of the I/P bed over flow spillways haven't been shown on the plans.

4. How much additional clay would it be necessary to incorporate into the soil in order to achieve the required removal efficiencies if cation exchange was to be used for winter ammonia removal? What affect would this have on infiltration rates? What is the projected life of the bed, both seasonally and overall?

5. Section C/28 shows the storage pond number three overflow level at 7131.28. Sheet 4 of the plan shows the new storage pond 3 surface elevation at 7132.0.

6. Why do I/P beds number 1, 3, 4 and 5 have 42 inch lines and beds 2, 6 and 7 have 48 inch lines?

7. The I/P bed pilot plant study report indicated the importance of the design of the ridge and furrows as "an attempt to deposit the suspended solids in the troughs and leave the sides of the ridges relatively clear for infiltraion." The report further states "This appeared to be exactly how the system functioned." Although the pilot plant study indicated the ridge and furrow design worked well, the design shown on the plans is substantially different. We do not think the system shown on the plans will function like the pilot plant. If it won't, do you consider it a significant problem?

8. Because of the lack of clarity as to how this proposed project will function to meet the ammonia limitation in the NPDES permit during the winter, we would like to meet with you here in Cheyenne on March 18, 1982 at 1:30 P.M. to discuss the project.

9. Enclosed are biddability and constructability comments from the Corps of Engineers. Please send a response to these comments to Department of Environmental Quality, Water Quality Division.

3-5-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-42R

Highland Condo Village Offsite Utilities
(Name of Facility)

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

City of Cheyenne

Engineer's Office

2101 O'Neal Avenue

Cheyenne, WY 82001

to construct, install, or modify a municipal wastewater collection and water distribution extension facility according to the procedures and conditions of the application No. 82-42R. The facility is located in Sections 4 & 5, T13N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND P.E. # 1479 STATE OF WYOMING

William L. Garland
Administrator
Water Quality Division

February 23, 1982
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

This permit <u>does not</u> supercede the requirements for obtaining any permit from local agencies.

cc: Joseph E. Kub, P.E.
BRW, Inc.
American National Bank Bldg.
1912 Capitol Ave.
Cheyenne, WY 82001

2-11-82

Review of Plans and Specifications

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1111 East Lincolnway
Cheyenne, Wyoming 82002

PROJECT: Highland Condo Village Offsite Utilities, Laramie Co.

ARCHITECT OR ENGINEER: Joe Kub, BRW, Inc.
1912 Capitol Ave., Cheyenne, WY 82001

APPLICANT: City of Cheyenne, Cheyenne City Engineer's Office
2101 O'Neil Ave., Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 82-42

REVIEWING ENGINEER: Thomas S. Norman Thomas S. Norman

DATE OF REVIEW: February 10, 1982

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Is any fire protection provided with this water main extension? No hydrants are shown.

2. Ten State Standards does not allow dead-end water mains (Station 31+27). I am aware that development may be occurring in this area but no explanation or reason for the dead-end is given. The dead-end as proposed is not acceptable.

3. Have any test wells been developed in the area? If the project requires dewatering, a permit to discharge is required from DEQ. An application is attached. If you have any questions, contact John Wagner.

   Concern is shown for potential hydrocarbons in the soil from the refinery. If encountered, this will affect dewatering, safety, and possible redesign of rubber joint pipe. Both the City and the contractor will be held liable for hydrocarbons getting into waters of the State.

TSN/nc

Norma
plz returned
to Sheridan
Dick

Water Quality Division
Groundwater Section
Permit Application Review

Application Number 82-43 R

Date submitted for review 8 July 82 (New information Received 18 Aug 1982)

Name and location of facility Produced Water R/O unit, Basin #1
Sec 33 T47N R71W
Campbell Co.

I have reviewed the plans and specifications with regard to all aspects of groundwater quality and find the following:

☐ No comment. The submittal is consistent with current groundwater protection procedures and requirements.

☒ Comments attached.

Signed R J Lenning

Title Eng Eval.

Date 8-6-82

Review Approved ✓ Not Approved

9/8/82 (Date)

(Signed)
Groundwater Control Supervisor

Comments Concerning Application # 82-43R Review

1) There is no groundwater nor surface water information presented to evaluate whether the discharge of permeate to the pond and "private" reservoir will have a detremental effect. It should be noted that although the applicant indicates the permeate will not exceed a TDS value of 1000 mg/l the limitation on Class I - Domestic Water for TDS is 500 mg/l. Thus, the question concerning quality of groundwater in the immediate vicinity arises.

2) The applicant plans to have the brine waste disposed of in an injection well noted as Lebar Well Number 1, SW¼, SE½, Section 27, T35N, R69W, Well Draw Field, Converse County, Wyoming. It is noted that the enclosed attachments concerning this injection well have specific limitations as to the fluids which may be injected. These limitations do not include residue from an RO processing plant. I suggest further information is necessary on this point.

3) If the applicant or Tanks, Inc. is going to use the Lebar #1 Well for underground disposal of process waste a Wyoming Groundwater Pollution Control Permit for underground injection would be required from this agency in accordance with Chapter IX.

4) It is recommended that the application be denied until the items noted above have been adequately addressed.

9-3-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-43RRR

PRODUCED WATER REVERSE OSMOSIS UNIT, BASIN #1
(Name of Facility)

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

Mr. Dale Hettinger
Teckla Route, Box 910
Gillette, Wyoming 82716

to construct, install, or modify a produced water reverse osmosis purification plant facility according to the procedures and conditions of the application No. 82-43RRR. The facility is located in Sec. 33, T.47N., R.71W. in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

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

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AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND STATE OF WYOMING

William L. Garland

Administrator
Water Quality Division

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

Robert E. Sundin

Director
Dept. of Environmental Quality

August 26, 1982
Date of Issuance

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

xc: Mr. Gomer Jones
Product Development Group
Box 177
Rose Hill, Kansas 67133

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 Coffeen Ave., Suite 301
Sheridan, Wyoming 82801

RECEIVED MAR 1982 WATER QUALITY DIVISION WYOMING

PROJECT: Produced Water Reverse Osmosis Unit, Basin 1

ARCHITECT OR ENGINEER: Product Development Group, Inc.
Box 177
Rose Hill, Kansas 67133

APPLICANT: Mr. Dale Hettinger
Teckla Route, Box 910
Gillette, Wyoming 82716

WATER QUALITY DIVISION
REFERENCE NUMBER: 82-43

REVIEWING ENGINEER: Tom Mueller TJM

DATE OF REVIEW: March 5, 1982

ACTION: Not Authorized for Construction. See comments.

COMMENTS:

The information and drawing received with the application is useful in determining the general process. However, the following information must be supplied before a Permit to Construct can be issued.

1) A scale drawing showing plan and profile of the proposed permeate storage basin. The drawing should indicate depth, area, side slopes, freeboard and inlet and outlet arrangements.

2) An overall plan drawing of the plant location, showing all equipment, buildings, the storage basin and piping runs. Any wells in the area should also be shown.

3) Manufacturer's specifications for the reverse osmosis system, indicating capacity, minimum permeate quality, feed water requirements, brine quality, and auxiliary equipment required.

4) Specifications for the feed and brine storage tanks, indicating type, material, size, appurtenances, and industry standards which they must satisfy.

5) A soil study of the permeate storage basin area. The study should indicate the type and approximate permeability of all soils to a depth of four (4) feet below the bottom of the proposed basin. If any groundwater is encountered, it shall be analyzed for Total Dissolved Solids and Sulfate content.

6) Ultimate disposal of the brine must be indicated. If brine is to be injected into any well, the location, permitting authority and permit number must be provided.

It should be pointed out that drawings received must be covered under the signature of a Professional Engineer, registered to practice in the State of Wyoming.

3-2-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-44

CORDERO MINE NORTH 08 RESERVOIR
(Name of Facility)

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

Cordero Mining Company

P.O. Box 1449

Gillette, Wyoming 82716

to construct, install, or modify a water storage reservoir

facility according to the procedures and conditions of the application No. 82-44. The facility is located in Sec. 23, T.47N., R.71W.

in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND P.E. # 1479 STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

February 24, 1982
Date of Issuance

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

4-8-82

PERMIT TO CONSTRUCT

/ X / New

/ / Renewal

/ / Modified

Permit No. 82-45R

Sunset Pump Station
(Name of Facility)

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

City of Evanston

PO Box 130

Evanston, WY 82930

to construct, install, or modify a well and well house with waterline connection

facility according to the procedures and conditions of the application No. 82-45R. The facility is located in

Sec. 17, T15N, R120W

in the County of Uinta,

in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM E. GARLAND P.E. # 1479 STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

March 19, 1982
Date of Issuance

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

AJB:ch

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 Lincoln
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: SUNSET PUMP STATION

ENGINEER: Uinta Eng. & Surv., Inc.
PO Box 746
Evanston, WY 82930
ATT: Ken Walker

OWNER: City of Evanston
PO Box 130
Evanston, WY 82930
ATT. Wayne Shepherd

WATER QUALITY DIVISION REFERENCE NUMBER: 82-45

REVIEWING ENGINEER: Al Berreth

DATE OF REVIEW: February 19, 1982

ACTION: Not authorized.

COMMENTS: Per your request a preliminary review has revealed the following items which will need to be addressed:

1. How many hours per day will this well need to be operated? If the use is to be 50% of the time or more, additional testing will be required. In any case, Section 3.2.4.1d of "Ten States" must be addressed.

2. A well log needs to be provided.

3. Steel well casing is too light, see Section3.2.5.3b of "Ten States".

4. Is the well screened or gravel packed? If not, what is the grain size distribution of the formation and what size pipe solts have been used?

5. Is the well house area subject to flooding?

6. It appears that an air release valve is needed on the headerpipe.

7. The material specified, pump control valve, check valve, pressure relief valve, and turbine pump, does not agree with the information supplied.

AC

8. The electric motor needs to be equipped with a non-reverse rachet.

9. The calculated tranmissibility of the aquifer appears to be high.

10. Is no flow protection to be provided for the motor?

AJB:ch

cc: File (6)

3-5-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-46

North and South Tipperary Sanitary Sewers
(Name of Facility)

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

Town of Hanna

P.O. Box 99

Hanna, WY 82327

to construct, install, or modify an eight inch diameter sanitary sewer facility according to the procedures and conditions of the application No. 82-46. The facility is located in Section 19, T22N, R81W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

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AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
P.E. # 1479
STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

February 23, 1982
Date of Issuance

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

cc: Rex A. Behrends
Robert Jack Smith & Associates
P.O. Box 1104
Rawlins, WY 82301

3-5-82

PERMIT TO CONSTRUCT

/x/ New

/ / Renewal

/ / Modified

Permit No. 82-47

City of Worland-Water System Expansion & Improvements
(Name of Facility)

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

City of Worland
c/o Albert Lambiase, P.E.
PO Box 226

Worland, WY 82401

to construct, install, or modify a public water mains expansion and improvement

facility according to the procedures and conditions of the application No. 82-47. The facility is located in

Sec. 24, 25 & 30, T47N, R92W &93W

in the County of Washakie, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND REG. NO. 1479 STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

February 18, 1982
Date of Issuance

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

MRC:ch

3-23-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-48R

Daniel Construction Co./Chevron Carter Creek
(Name of Facility)

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

Daniel Construction Co.

PO Box 966

Evanston, WY 82930

to construct, install, or modify ~~a~~ two temporary wastewater collection and holding tank system ~~facility~~ according to the procedures and conditions of the application No. 82-48R. The facility is located in ~~Sec. 6, T18N, R119W~~ in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
P.E. # 1475
STATE OF WYOMING

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

March 5, 1982
Date of Issuance

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

FL:ch

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 Lincoln
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: DANIEL CONSTRUCTION CO/CHEVRON CARTER CREEK
Holding tanks for Maintenance Shop and Warehouse

ENGINEER: J. J. Wiley
Daniel Construction Co.
PO Box 966
Evanston, WY 82930

OWNER: J. P. Hetrick
Daniel Construction Co.
PO Box 966
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 82-48

REVIEWING ~~ENGINEER~~ EVALUATOR: Frank LaBarge

DATE OF REVIEW: February 11, 1982

ACTION: Not authorized.

COMMENTS: A review of your application has been completed. Before a "Permit to Construct" can be approved, the following points need to be resolved:

1. A holding tank specification and detail are required.

2. Specifications are needed for the high level indicator light.

3. Some means of protecting the holding tanks from excessive live loads (i.e. trucks) is needed.

4. A current letter is needed from the City of Evanston STP allowing "The John's Co" to dump into their plant. The letter provided has shown up on past permit applications and appears to be quite widely used.

5. Please indicate the depth of cover over the collection lines and holding tanks on the plans.

6. How long will the proposed temporary facilities be in use?

AC

7. All plan sheets need to be signed or stamped by a Wyoming P.E.

Please submit the required information and revised drawings, in triplicate, to this office. Upon receipt of your reply a second review will be made and if everything is in order, a "Permit to Construct" will be approved. If you have any questions, please call me.

FL:ch

6-10-82

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 82-49R

PETERSON INSITU RESEARCH AND DEVELOPMENT PROJECT
(Name of Facility)

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

Arizona Public Service Company
P.O. Box 21666
Phoenix, Arizona 85036

to construct, install, or modify a evaporation ponds

facility according to the procedures and conditions of the application No. 82-49R. The facility is located in Sec. 35, T.34N., R.73W.

in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM SAFFORD STATE OF WYOMING

Administrator 479
Water Quality Division

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

Director
Dept. of Environmental Quality

June 3, 1982
Date of Issuance

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

xc: Converse County Courthouse
107 North 5th
Douglas, WY 82633

Jerry Jelinek
Ortloff Mineral Services
4630 Indiana
Golden, CO 80401

Bob Ward
Nuclear Assurance Corporation
8312 E. Otero Circle
Englewood, CO 80112

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 Coffeen Ave., Suite 301
Sheridan, Wyoming 82801

PROJECT: Peterson In-Situ Research and Development Project

ARCHITECT OR ENGINEER: Jerry A. Jelinek
Ortloff Mineral Services
4630 Indiana
Golden, Colorado 80401

WATER QUALITY DIVISION REFERENCE NUMBER: 82-49

REVIEWING ENGINEER: Rich Ruyle RR

DATE OF REVIEW: February 18, 1982

ACTION: Not Authorized

COMMENTS:

The following clarifications are needed before a permit to construct can be issued.

1. Is it certain that leaching operations and discharge to the evaporation ponds will last only 90 days?

2. How were the wastewater storage and reserve storage volumes arrived at? Why is 1.064 ac. ft. used for the operating volume when 1.43 ac. ft. is the required volume listed in attachment III, p. 4-18? Is use of the reserve storage anticipated? If so, one foot of freeboard is not enough.

3. Do you plan for a septic tank/leach field as described in the operation plan? Will it be covered under a separate application?

4. If your potable water supply has 10 or more service connections, it would come under our review.

5. Details of the inlet structures to the ponds are needed.

6. Material and installation specifications for the wastewater piping are needed. Will the water be pumped to the ponds?

7. Installation specifications for the liner should be provided.

8. Is there an access road to the ponds?

9. Details of a fence and warning signs around the ponds should be provided.

Mailed 2-24-82

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

MEMORANDUM

TO: Tom Mueller

THROUGH: A. J. Mancini AJM

FROM: Phil Pucel PP

DATE: February 19, 1982

SUBJECT: Peterson Insitu Research and Development Project, S35, T34N, R73W, Converse Co., Solar Evaporation Ponds, DEQ/WQD Ref. No. 82-49

There are no comments from the groundwater section on this application.

PP/nc

6-7-82

PERMIT TO CONSTRUCT

/ X / New

/ / Renewal

/ / Modified

Permit No. 82-50R

CONDITION OF PERMIT

Porter Cut-O-King Service
(Name of Facility)

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

Kilburn I. Porter
c/o Carlton & Carlton Assoc.
748 Lombard St.

Evanston, WY 82930

to construct, install, or modify a temporary septic tank - leach field

facility according to the procedures and conditions of the application No. 82-50R. The facility is located in

Sec. 19, T15N, R120W

in the County of Uinta,

in the State of Wyoming. This permit shall be effective for a period of Two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER WILLIAM L. GARLAND STATE OF WYOMING

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

Administrator
Water Quality Division

Director
Dept. of Environmental Quality

May 24, 1982
Date of Issuance

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

CONDITION OF PERMIT

This permit is issued with the condition that the temporary on-site facilities, authorized by this permit, are to be abandoned when a public sewage collection line serving the Evanston Planning Area becomes available. Connection to the public sewage collection line must be made at that time.

FL:ch

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET LANDER, WYOMING 82520 TELEPHONE 307-332-3144

April 22, 1982

Mr. Kevin Jones
Carlton & Carlton, Assoc.
749 Lombard Street
Evanston, WY 82930

RE: Porter Cut-O-King Services,
DEQ #82-50

Dear Mr. Jones:

As of this date, I have not received a reply to my February 18, 1982 review letter of the above referenced application. Please inform me, in writing, of when a reply can be expected or if the project has been abandoned.

If the project has been abandoned, you application will be removed from our files and the plans returned to you at your request.

Yours truly,

Francis LaBarge

Francis LaBarge
Water Quality Evaluator
Southwest District

FL:ch

Enclosure

cc: Cheyenne DEQ/WQD
File (2)

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 Lincoln
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: PORTER CUT-O-KING SERVICES

ENGINEER: Kevin Jones
Carlton & Carlton, Assoc.
748 Lombard Street
Evanston, WY 82930

OWNER: Kilburn I. Porter
c/o Carlton & Carlton, Assoc.
748 Lombard Street
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 82-50

REVIEWING ~~ENGINEER~~ EVALUATOR: Frank LaBarge

DATE OF REVIEW: February 18, 1982

ACTION: Not authorized.

COMMENTS: This office has been in contact with the City of Evanston engineer in regard to this proposed project. It is the local engineer's position that a permanent on-site wastewater disposal facility should not be constructed at the proposed location because a public sewage collection line will become available within one year. This office is in agreement with this conclusion; therefore, a permanent facility will not be approved.

A temporary collection system and holding tank will be approved, however.

In order to receive such approval the following is required:

1. A revised set of plans for a collection system and holding tank.

2. A letter from a sewage hauler stating how often the tank will be pumped and where the waste will be disposed of.

3. A letter from the operator of the disposal site site (ex. City of Evanston STP) stating they will allow the hauler to dispose of that waste at their plant.

A.C

4. A copy of a signed agreement between the applicant and the City Engineer stating that the applicant agrees to abandon the temporary facilities and connect to the public collection line when it becomes available.

5. A condition will be put on the "Permit to Construct" when it is issued stating that the permit is temporary based upon the above agreement. The applicant should be aware this condition will exist.

Please submit the required information and revised plans, in triplicate, to this office. If you have any questions, please call me.

FL:ch

cc: James Golding - City of Evanston
File (6)