



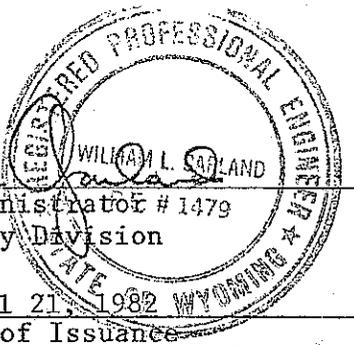
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AUTHORIZED BY:

  
*Wilma L. Safland*  
Administrato~~r~~ # 1479  
Water Quality Division  
April 21, 1982 WYOMING  
Date of Issuance

  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

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

xc: Lou Coraggio  
IntraSearch, Inc.



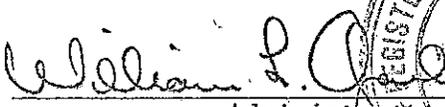
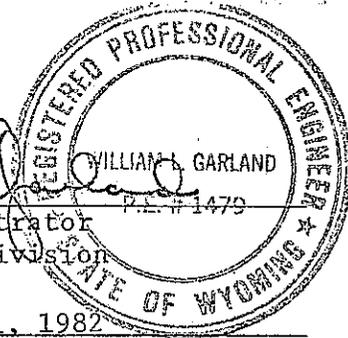
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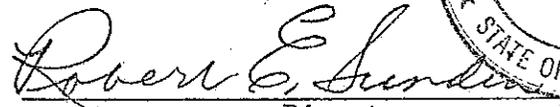
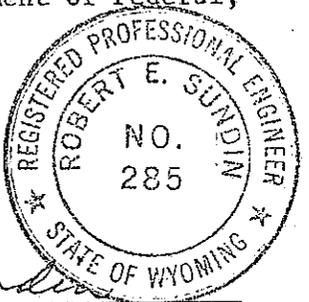
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WILLIAM L. GARLAND  
P.E. # 1479  
Administrator  
Water Quality Division  


April 21, 1982  
Date of Issuance

  
Director  
Dept. of Environmental Quality  


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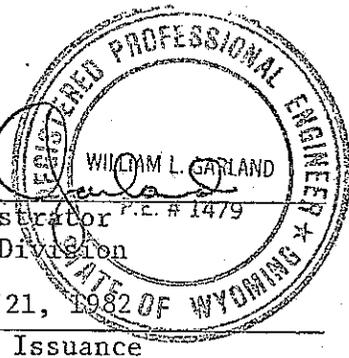
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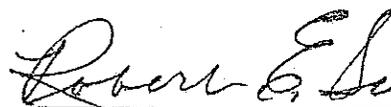
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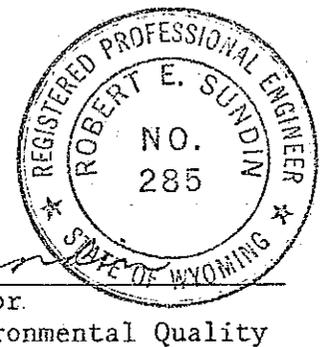
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Administrator  
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April 21, 1982  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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IntraSearch, Inc.



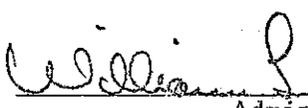
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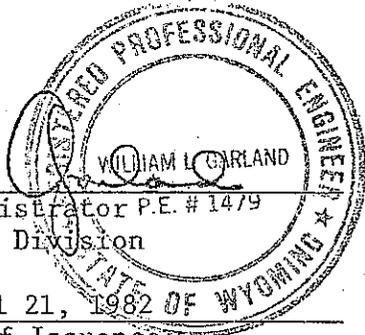
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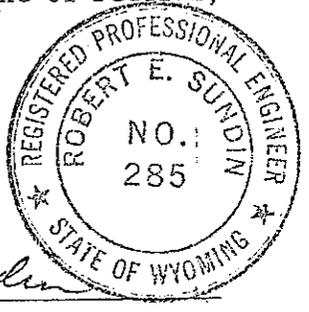
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WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
April 21, 1982 OF WYOMING  
Date of Issuance



  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality



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xc: Lou Corragio  
IntraSearch, Inc.



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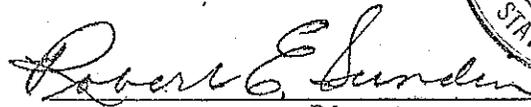
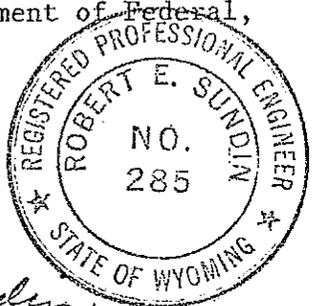
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AUTHORIZED BY:

  
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Adminisrator, P.E. # 1479  
Water Quality Division  
  
April 21, 1982  
Date of Issuance

  
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Director  
Dept. of Environmental Quality  


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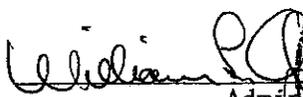
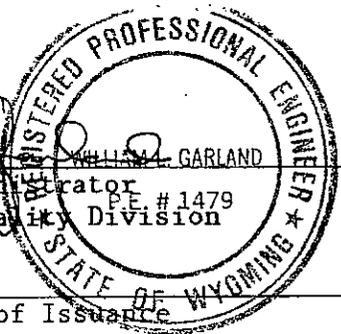
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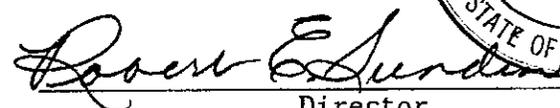
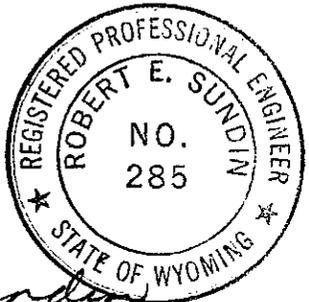
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AUTHORIZED BY:

  
WILLIAM GARLAND  
Administrator  
Water Quality Division  
P.E. # 1479  


  
Director  
Dept. of Environmental Quality  


January 16, 1985  
Date of Issuance

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

JB:dcn



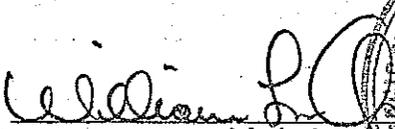
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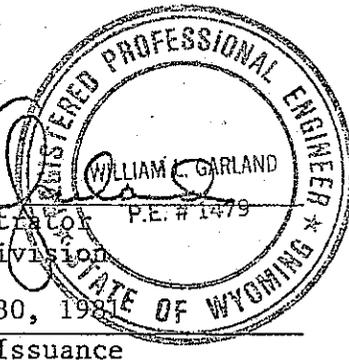
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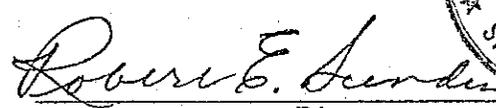
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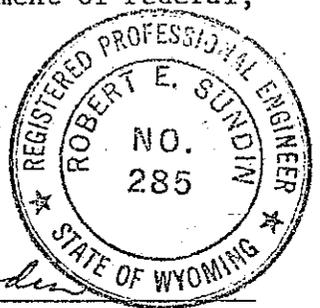
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AUTHORIZED BY:

  
WILLIAM C. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
October 30, 1981  
Date of Issuance



  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality



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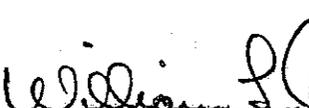
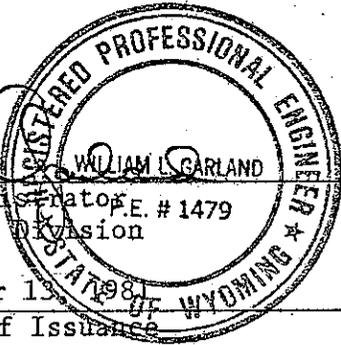
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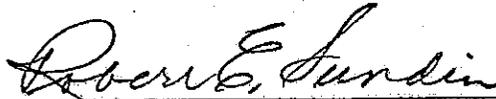
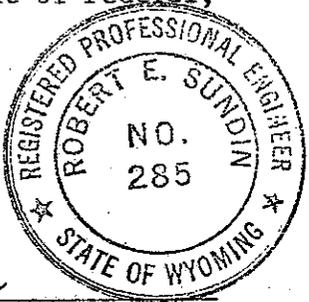
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Admin. Director  
Water Quality Division  
E. # 1479  
October 13, 1981  
Date of Issuance  


  
Director  
Dept. of Environmental Quality  


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MRC:nb  
10/13/81



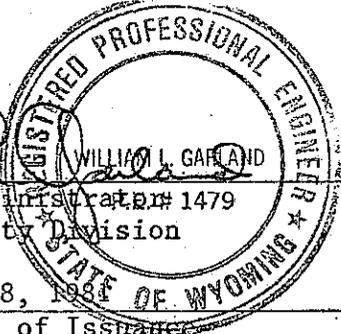
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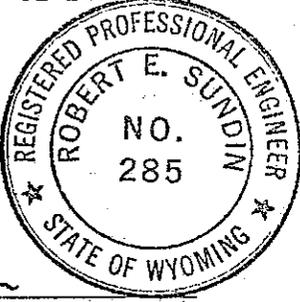
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AUTHORIZED BY:

  
*William L. Garland*  
WILLIAM L. GARLAND  
Administrative # 1479  
Water Quality Division  
November 18, 1981  
Date of Issuance

  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

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

AB:db  
11/20/81



*File*

*Department of Environmental Quality  
Water Quality Division*

210 Lincoln

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

December 30, 1981



Mr. Wayne Shepherd, City Engineer  
City of Evanston  
PO Box 130  
Evanston, Wyoming 82930

RE: Evanston Sewage Treatment Plant  
Renovation, #81-708

Dear Mr. Shepherd:

Pursuant to discussions we have had regarding sludge handling at the Evanston sewage treatment plant, and to conditions to the above referenced permit, it is time that several items be addressed. Specifically, a groundwater monitoring plan needs to be adopted around the sludge holding area. Our office will assist you in developing that plan.

Also, we need to address the final handling of sludge generated at the plant.

Current budget constraints have frozen travel and phone calls. I realize that this process will take longer through the mail, and so, would like to begin as soon as your schedule permits. Hopefully, these items can be resolved before summer and the developers are after us again.

Respectfully,

*Albert J. Berreth*

Albert J. Berreth  
Southwest District Engineer

AJB:ch

cc: ✓ DEQ/WQD Cheyenne  
File (2)



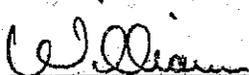
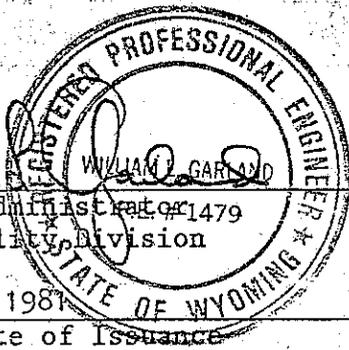
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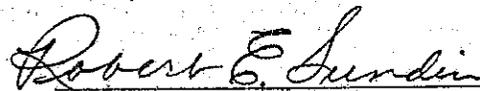
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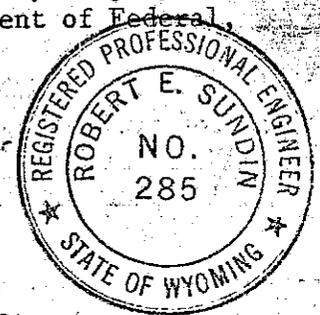
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AUTHORIZED BY:

  
  
Administrative  
Water Quality Division  
October 16, 1981  
Date of Issuance

  
Director  
Dept. of Environmental Quality



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

RR:ch  
10/16/81

*Cheyenne*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
210 LINCOLN STREET  
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: LITTLE AMERICA A #1 FEDERAL

ENGINEER: Dale Crank  
Johnson, Fermelia & Crank  
Box 631  
Kemmerer, WY 83101

OWNER: Peter Pawlak  
Wichita Industries  
1100 Metro Bank Building, 475 17th Street  
Denver, CO 80202

WATER QUALITY DIVISION REFERENCE NUMBER: 81-709

REVIEWING ENGINEER: Rich Ruyle *RR*

DATE OF REVIEW: October 2, 1981

ACTION: Not authorized.

COMMENTS:

1. How many people will reside at the camp? The design should be based on 50 gallons/person/day. The allowable application rate to the leach field in gallons/sq.ft./day is determined from  $5/\sqrt{t}$  when t = the percolation rate in minutes/inch.  $5/\sqrt{24.5} = 1.0$  gallons/sq.ft./day. The leach field should be sized accordingly.
2. Please show the sewer collection system in relation to the location of the trailers, plan and profile drawings of the sewer, cleanout locations, riser details, and material and installation specifications.
3. Show the location of the well and water line on the plan sheet to ensure adequate separation distances.
4. The inlet and outlet pipes to the tank should be specified as Schedule 40 PVC on the checklist.
5. The depth of cover on the checklist should specify one foot minimum and three feet maximum.
6. All submittals should be in triplicate.

Feel free to call me with questions.

RR:nb  
10/5/81  
Copy: Opal - Harvey Lundershausen

*A*

10-50-81

PERMIT TO CONSTRUCT

Permit No. 81-710R

- New
- Renewal
- Modified

Valley View Acres  
(Name of Facility)

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

Welton Construction

P. O. Box 129

Saratoga, WY 82331

to construct, install, or modify a water mains and sanitary sewer mains facility according to the procedures and conditions of the application No. 81-710R. The facility is located in Section 14, T17N, R84W 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.

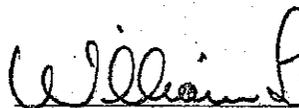
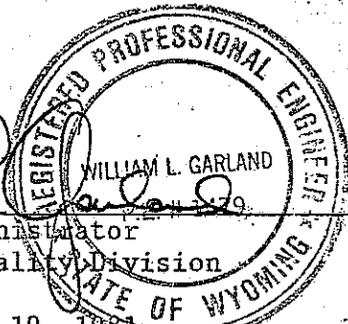
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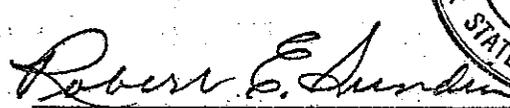
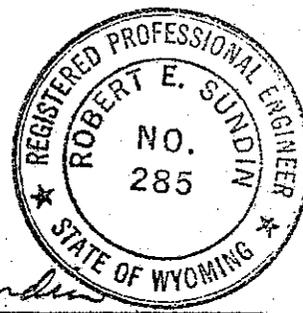
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AUTHORIZED BY:

  
  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
STATE OF WYOMING

  
  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality

October 19, 1981  
Date of Issuance

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

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

9-29-81  
Cox

Review of Plans and Specifications

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

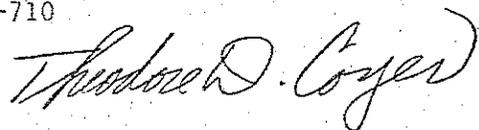
PROJECT: Water & Sewer Extensions, Valley View Acres, Carbon Co.

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

APPLICANT: Welton Construction  
P.O. Box 129, Saratoga, WY 82331

WATER QUALITY DIVISION REFERENCE NUMBER: 81-710

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



DATE OF REVIEW: September 28, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Specifications for the water mains, sanitary sewers, related fixtures and installation procedures were not included with the plans.

TDC/nc



*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Dan Kimm

THROUGH: A. J. Mancini

FROM: Phil Pucel *pp*

DATE: October 13, 1981

SUBJECT: Mobil, Caballo Rojo Mine Wastewater System, Sec. 2 & 11, T47N, R71W, Campbell Co., DEQ/WQD-Ref. No. 81-711, 81-712, 81-713

The following items pertain to protecting the unconfined aquifer in the area of the facility:

- The segment of the application, entitled "Potential Impacts to Groundwater from Sewage Waste Disposal", contends that groundwater levels are approximately 100-130 feet below the ground surface. Due to dewatering of coal mine pits in the region, the water levels are artificially depressed. At the conclusion of mining, the unconfined aquifer will recover. Information is needed on groundwater levels prior to dewatering as well as projected recovery levels. The effects of reclaimed aquifers and drainage systems on recovery levels should be addressed.
- Information on solvents, lubricants and other toxic chemicals used in the Lube-Wash facility and the shops should be catalogued as well as a record of wasted volumes and method of disposal. Agents such as trichloroethylenes and other carcinogens should be replaced by environmentally-compatible products.
- The maps provided in the application are not detailed to an extent which would reveal the location of the sanitary wastewater systems relative to LES DRAW. Determine the impact of the systems on the local surface water.
- The need for a Spill Prevention Control and Countermeasure Plan is based upon the capacities and location of the storage tanks in accordance with Title 40-Protection of the Environment, Chapter I-EPA, Subchapter D-Water Programs, Part 112-Oil Pollution Prevention. Information in this regard should be provided.

PP/nc



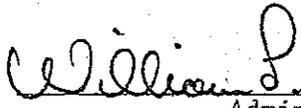
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

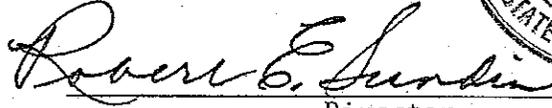
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:

  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING

December 23, 1981  
Date of Issuance

  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  
REGISTERED PROFESSIONAL ENGINEER  
NO. 285  
STATE OF WYOMING

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



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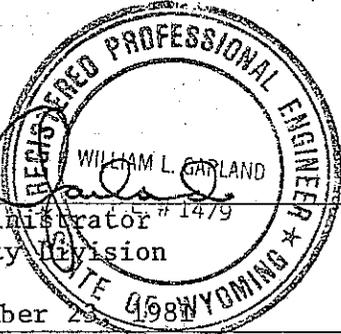
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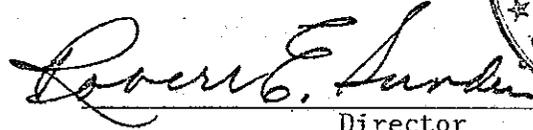
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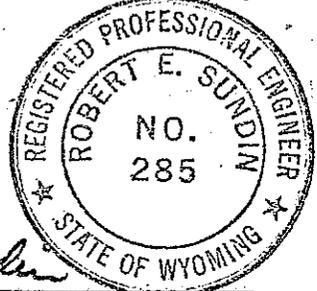
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
December 28, 1988  
Date of Issuance



  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality



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



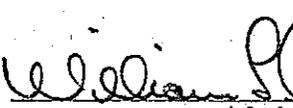
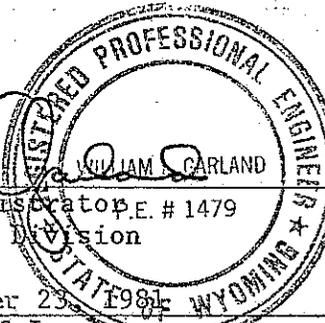
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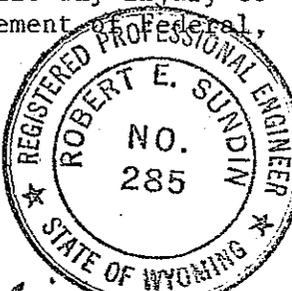
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AUTHORIZED BY:

  
\_\_\_\_\_  
WILLIAM GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
  
December 23, 1981  
Date of Issuance

  
\_\_\_\_\_  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


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



*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: File

FROM: Phil Pucel *PP*

DATE: November 16, 1981

SUBJECT: Mobil, Caballo Rojo Mine Wastewater System, S2 & 11, T47N, R71W, Campbell Co., DEQ/WQD Ref. No. 81-711, 81-712, 81-713

The memo of October 13, 1981 was discussed via telephone with Carla Johnson, Mobil Hydrologist. Responses to the memo are as follows:

- Drawdown due to dewatering at other mines is about 6 inches.
- The shallow aquifer at a depth of 80 to 90 feet yields 1 gpm.
- The wastewater facilities are located on top of a small drainage divide with 1 foot of soil overlying soils of low permeabilities.
- The direction of groundwater flow is northwest, then north, whereas the direction from the wastewater treatment plant to Les Draw is southwest.
- Cumulative drawdown is currently being modeled.

PP/nc



*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Dan Kimm

THROUGH: A. J. Mancini *ajm*

FROM: Phil Pucel *PP*

DATE: October 13, 1981

SUBJECT: Mobil, Caballo Rojo Mine Wastewater System, Sec. 2 & 11, T47N, R71W, Campbell Co., DEQ/WQD Ref. No. 81-711, 81-712, 81-713

The following items pertain to protecting the unconfined aquifer in the area of the facility:

- The segment of the application, entitled "Potential Impacts to Groundwater from Sewage Waste Disposal", contends that groundwater levels are approximately 100-130 feet below the ground surface. Due to dewatering of coal mine pits in the region, the water levels are artificially depressed. At the conclusion of mining, the unconfined aquifer will recover. Information is needed on groundwater levels prior to dewatering as well as projected recovery levels. The effects of reclaimed aquifers and drainage systems on recovery levels should be addressed.
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PP/nc

*Plans returned to  
Sheridan  
10-22-81*



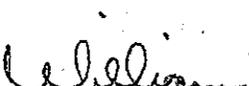
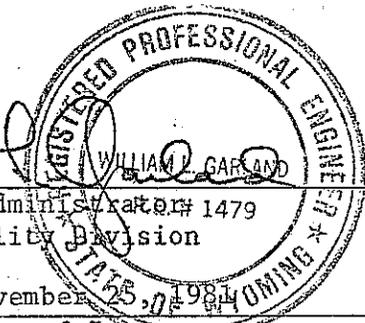
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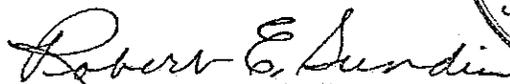
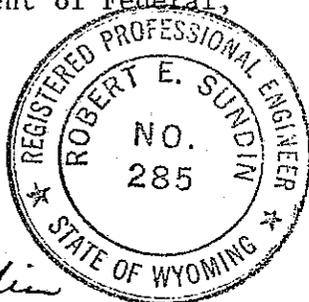
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AUTHORIZED BY:

  
  
Adminstrator # 1479  
Water Quality Division  
November 25, 1984  
Date of Issuance

  
  
Director  
Dept. of Environmental Quality

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

xc: Centennial Engineering  
237 N. Main  
Sheridan, WY 82801

10-30-51

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 81-715

SEE SPECIAL CONDITION

American Manufacturing Company of Texas  
(Name of Facility)

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

Glasspoole Construction Company

P.O. Box 1217

Casper, WY 82602

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 81-715. The facility is located in Section 27, 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.

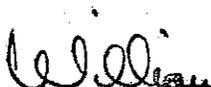
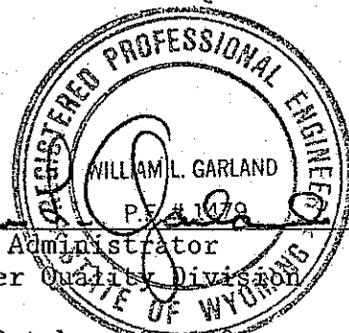
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

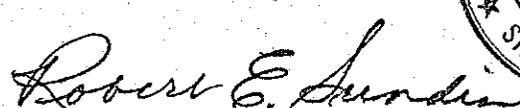
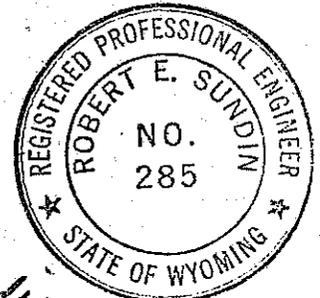
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AUTHORIZED BY:

  
  
WILLIAM L. GARLAND  
P.E. # 1079  
Administrator  
Water Quality Division  
STATE OF WYOMING  
October 22, 1981  
Date of Issuance

  
  
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: Detmer R. Knapp  
P.O. Box 9859  
Casper, WY 82609

Conditions 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.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 81-716

SEE SPECIAL CONDITIONS

Meloy - Lot 51  
(Name of Facility)

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

Bob Meloy

1832 Jim Bridger Ave.

Casper, WY 82601

to construct, install, or modify a commercial subsurface wastewater disposal system facility according to the procedures and conditions of the application No. 81-716. The facility is located in Lot 51, Westgate Park II, 6672 Coal Road, Casper, WY, Section 27, 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.

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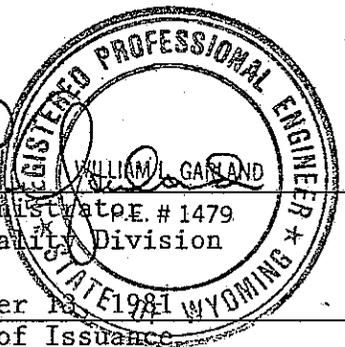
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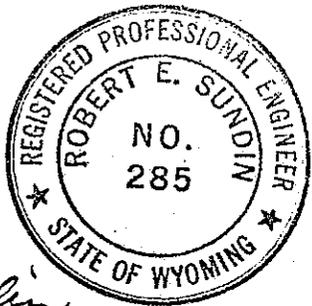
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AUTHORIZED BY:

  
*William L. Garland*  
Administ. P.E. # 1479  
Water Quality Division  
October 1981  
Date of Issuance

  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

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

cc: Detmer R. Knapp  
1380 Bretton  
Casper, WY 82601

Conditions 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.



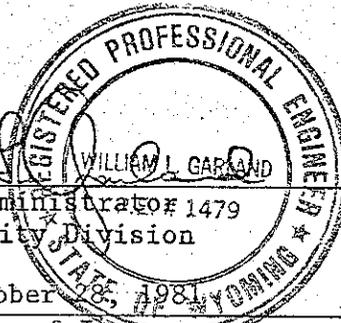
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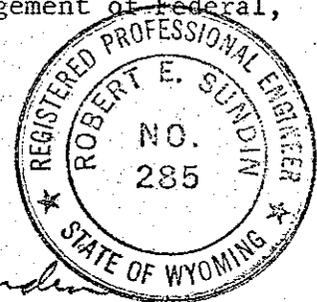
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AUTHORIZED BY:

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the name "WILLIAM L. GARAAND" and the number "1479".  
*William L. Garaand*  
\_\_\_\_\_  
Administrator # 1479  
Water Quality Division  
October 28, 1981  
\_\_\_\_\_  
Date of Issuance

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the name "ROBERT E. SUNDIN" and the number "285".  
*Robert E. Sundin*  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

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

FL:nb  
10/28/81



# Department of Environmental Quality

## Water Quality Division

210 LINCOLN STREET

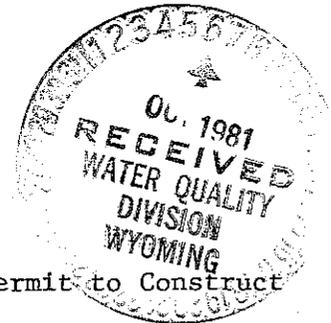
LANDER, WYOMING 82520

TELEPHONE 307-332-3144

October 2, 1981

Mr. Ben Blades  
P.O. Box 1026  
Evanston, WY 82930

RE: Application for Permit to Construct  
DEQ #81-717



Dear Mr. Blades:

All applications for a permit to construct, install or modify any type of sewage collection and disposal system, other than a septic tank-disposal field for a single family residence, must carry the seal or signature of an engineer registered in the State of Wyoming. Because your application is for a warehouse and is not signed by an engineer, it cannot be accepted for review and is being returned to you, with this letter.

Please have a registered engineer sign the plans and resubmit your application, in triplicate, to my attention, at this office. A review will then be conducted, and if the plans meet minimum design standards a "Permit to Construct" will be issued.

Remember, a "Permit to Construct" is required before the facility is constructed. Unauthorized construction could result in a penalty. If you have any questions, please contact me at this office.

Yours truly,

Francis LaBarge  
Water Quality Evaluator  
Southwest District

FL:nb  
Enclosure

Copy Cheyenne DEQ/WOD  
Dennis Farley, Uinta County Planner  
File (2)

A.B.C.

*Cheyenne*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
210 LINCOLN STREET  
LANDER, WYOMING 82520

PHONE: (307) 332-3144



PROJECT: CRUM ELECTRIC SUPPLY WASTEWATER DISPOSAL FACILITY

ENGINEER: Carlton & Carlton  
P.O. Box 435  
Evanston, WY 82930  
ATTN: Harry Carlton

OWNER: Ben Blades  
P.O. Box 1026  
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 81-717 R

REVIEWING ~~ENGINEER~~ EVALUATOR: Frank LaBarge

*FL*

DATE OF REVIEW: October 14, 1981

ACTION: Not authorized.

COMMENTS: The following points need to be resolved before a "Permit to Construct" can be issued.

1. How was a wastewater volume of 150 gpd arrived at?
2. The Checklist Sheet should call for septic tank inlet and outlet pipe material to be Schedule 40 PVC. Please note this on the Checklist Sheet under Design Information - #8.
3. Two Plan Sheets were included with the application. One is stamped by the engineer, therefore I assume this is the one to be used. If this is correct, the other one will be discarded at your request.
4. Please show the distance from the septic tank to the leach field on the Plan Sheet.
5. Please show the water line from the well to the shop in its entirety. As shown on the Plan Sheet it is not clear where it goes from the well.
6. Enclosed are three Septic Tank Detail Sheets and three Disposal Field Detail Sheets. They are part of the application and must be included.

Review of Plans and Specifications

Crum Electric Supply Wastewater Disposal Facility, DEQ #81-717

Date of Review - October 14, 1981

Page 2

7. It is required that all the various sheets which make up the application be signed by the engineer (i.e., the application form, Check List, Cover Sheet, Plan Sheet, Septic Tank Detail Sheet and Disposal Field Detail Sheet).

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

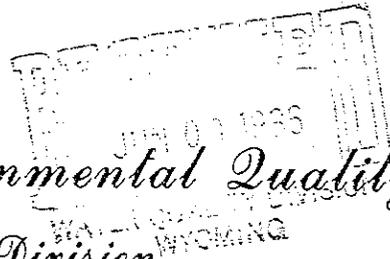
FL:nb

10/15/81

Enclosures



Department of Environmental Quality  
Water Quality Division



210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

June 5, 1986

81-718

Blacksfork Corporation  
ATTN: Mr. Kent Palmer  
2340 South 2700 West  
Salt Lake City, UT 84119

RE: Granger Park Resubdivision, WQD Reference No. 81-315, 81-403, 81-404,  
81-718, 81-719

Dear Mr. Palmer:

After our phone conversation on Thursday, May 29, 1986 concerning the referenced subject, I conducted a thorough search of our files. I discovered that five (5) applications for permit to construct were made to this office for the Granger Park Subdivision Improvements. Only one permit was actually issued. That was WQD Permit No. 81-403 for water and sewer improvements to Phase I of that subdivision only.

I am returning the attached plans and specifications to you and will cancel WQD Permit Application Nos. 81-315, 81-404, 81-718 and 81-719. I apologize for any inconvenience I may have caused you in clearing this matter up.

Should you have any questions or comments, please contact Jack Bedessem or myself.

Sincerely,

Bill Locke, P.E.  
Water Quality Engineer

BL/jw

cc: Town of Granger  
DEQ/WQD, Cheyenne



*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 26, 1986

CERTIFIED P 399 271 410

Blacksfork Corporation  
ATTN: Mr. Kent Palmer  
2340 South 2700 West  
Salt Lake City, UT 84119

RE: Granger Park Resubdivision, WQD Reference No. 81-718

Dear Mr. Palmer:

As we discussed on the phone this morning, it has become apparent that a permit to construct was never obtained from this department for the water and wastewater improvements to the above referenced subdivision. The Wyoming Environmental Quality Act stipulates that no person except when authorized by a permit, shall construct, install, modify or operate any public water supply or sewerage system.

I have attached one copy each of the Wyoming Environmental Quality Act, Chapter III, Chapter XI and Chapter XII of the Wyoming Water Quality Rules and Regulations for your reference. Article 3 of the Environmental Quality Act is a statement of the water quality laws. Chapter III of the Water Quality Rules and Regulations regulates the permitting process and Chapter XI and XII pertain to design and construction standards for water and wastewater systems.

In an effort to resolve this unauthorized construction violation; within 90 days of receipt of this letter, submit "as-built" plans and specifications for the above improvements to this office. The plans and specifications must be signed by a Wyoming Professional Engineer and be accompanied by an unsigned application form which I have enclosed. An immediate written response to this letter indicating your intentions is also required.

Should you have any questions or comments, please contact either Jack Bedessem or myself.

Sincerely,

A handwritten signature in cursive script that reads "Bill Locke".

Bill Locke, P.E.  
Water Quality Engineer

BL/jw

copy: Jake Strohmman, DEQ/WQD, Cheyenne  
Town of Granger



U.S. RESI. : 307-382-9174

U.S. OFFICE: 307-362-2680

# INDO AMERICAN ENGINEERING

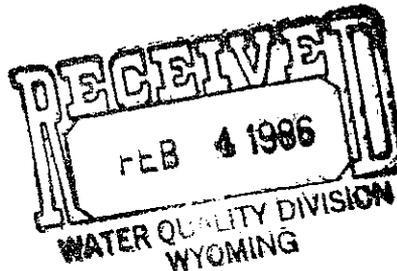
217, BORA BAZAR STREET,  
FORT, BOMBAY-400 001.  
INDIA  
PHONE: 263229

INCORPORATED

205 C ST., SUITE 206  
P.O. BOX 1813  
ROCK SPRINGS,  
WYOMING, 82901  
U.S.A.

Ref. No. DEQ - 81-718

Dept. of Environmental Quality  
Water Quality Division  
210 Lincoln Street  
Lander, WY 82520



Date 1-31-86

Attn: Jack Bedessem/Bill Locke

Subject: Granger Park Resubdivision

81-718

Dear Sir,

In response to your letter dated 1-28-86 and our telephone conversation we have discussed subject problem with Mr. Martin Tyler, Mayor of Town of Granger.

According to the Mayor, Town Council has not accepted Final Construction of this Project including streets, sewer and water lines. Mr. Don Armstrong was to take care of all the requirements and had inspected and prepared a punchlist on behalf of the Town of Granger, as a Town Engineer. Furthermore for your information, Bush & Gudgell, Inc. were the Consulting Engineers on this Project.

Town has given me the name, address, and the telephone number of the developer, which is as follows:

Mr. Kent Palmer  
River Bend Associates, Ltd.  
2340 South 27th West  
Salt Lake City, UT 84119

Tele: 801-973-8354  
801-268-1460

Should you need any further information, please do not hesitate to call Mr. Martin Tyler, Mayor (Tele: 875-4825) or me.

Thank you very much for your cooperation.

Sincerely,

Indo American Engineering, Inc.  
Dinesh P. Sheth, B.E., M.S., P.E.

DS/ss

cc: Town of Granger



*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 28, 1986

Indo-American Engineering  
P.O. Box 1813  
Rock Springs, WY 82901

Dear Gentlemen:

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

Facility Name: Granger Park Resubdivision

DEQ/WQD Reference Number: 81-718

Engineering Consultant: N/A

DEQ/WQD Review Engineer: Jack Bedessem/Bill Locke

Date of DEQ/WQD Review: 10-13-81

According to Chapter III of the Water Quality Rules and Regulations, Section 7 b. (2), "If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned."

Please indicate below the status of this project and return this form to our office.

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within thirty (30) days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within thirty (30) days.
- Other Remarks: See attached letter *[Signature]*

You are reminded that the construction, installation, or modification of any sewage 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, and is punishable with a fine not to exceed \$10,000 for each day of violation. Unless the Water Quality Division review engineer receives information concerning the status of this project within fifteen (15) days of the receipt of this letter, follow-up action will be taken.

Sincerely,

A handwritten signature in cursive script that reads "Bill Locke".

Bill Locke, P.E.  
Water Quality Engineer

BL/jw



# Department of Environmental Quality

## Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 9, 1986

John Probasco  
 Bush & Gudgell  
 555 S. 300 East  
 Salt Lake City, UT 84111

Dear Mr. Probasco:

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

Facility Name:	<u>Granger Park Resubdivision</u>
DEQ/WQD Reference Number:	<u>81-718</u>
Engineering Consultant:	<u>John Probasco</u>
DEQ/WQD Review Engineer:	<u>Jack Bedessem/Bill Locke</u>
Date of DEQ/WQD Review:	<u>10-13-81</u>

Please indicate below the status of this project and return this form to our office.

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- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within thirty (30) days.
- Other Remarks: \_\_\_\_\_

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Sincerely,

*Bill Locke*

Bill Locke, P.E.  
Water Quality Engineer

BL/jw



*Department of Environmental Quality*  
*Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 28, 1986

Indo-American Engineering  
P.O. Box 1813  
Rock Springs, WY 82901

Dear Gentlemen:

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Facility Name: Granger Park Resubdivision

DEQ/WQD Reference Number: 81-718

Engineering Consultant: N/A

DEQ/WQD Review Engineer: Jack Bedessem/Bill Locke

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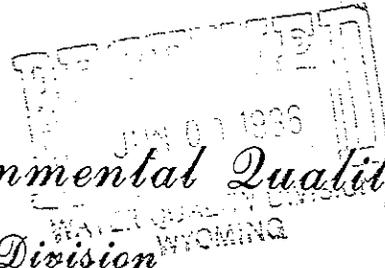
A handwritten signature in cursive script that reads "Bill Locke".

Bill Locke, P.E.  
Water Quality Engineer

BL/jw



Department of Environmental Quality  
Water Quality Division



210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

June 5, 1986

81-719

Blacksfork Corporation  
ATTN: Mr. Kent Palmer  
2340 South 2700 West  
Salt Lake City, UT 84119

RE: Granger Park Resubdivision, WQD Reference No. 81-315, 81-403, 81-404,  
81-718, 81-719

Dear Mr. Palmer:

After our phone conversation on Thursday, May 29, 1986 concerning the referenced subject, I conducted a thorough search of our files. I discovered that five (5) applications for permit to construct were made to this office for the Granger Park Subdivision Improvements. Only one permit was actually issued. That was WQD Permit No. 81-403 for water and sewer improvements to Phase I of that subdivision only.

I am returning the attached plans and specifications to you and will cancel WQD Permit Application Nos. 81-315, 81-404, 81-718 and 81-719. I apologize for any inconvenience I may have caused you in clearing this matter up.

Should you have any questions or comments, please contact Jack Bedessem or myself.

Sincerely,

Bill Locke, P.E.  
Water Quality Engineer

BL/jw

cc: Town of Granger  
DEQ/WQD, Cheyenne



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.

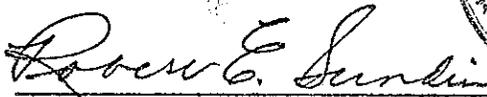
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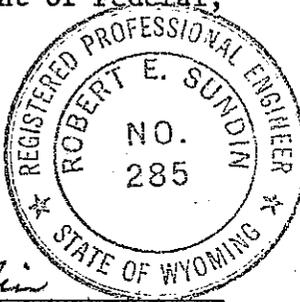
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AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator P.E. # 1479  
Water Quality Division  
March 19, 1983  
\_\_\_\_\_  
Date of Issuance



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



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

xc: Charles A. Haas



*cc. Norma*

*Bell*

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

November 12, 1981

Steve Sandvik  
Wells Engineering  
1225 Sage Street  
Gering, Nebraska 69341

Re: Review Comments on Lusk Plans and  
Specifications; WQD # 81-720

Dear Steve:

Listed below are the combined Department of Environmental Quality comments on the Lusk plans and specifications.

General comments:

1) Due to the concern over transport of disease organisms via aerosols, the proposed Chapter 11 Land Application Guidelines call for disinfection to a fecal coliform level of 200 MPN/100 MLS prior to spray irrigation. Since your 7.5 months of winter storage time may possibly allow that level to be achieved we will not require the addition of positive disinfection facilities at this time.

However, the Lusk permit will contain the following conditions:

- a) Wastewater irrigation shall not begin prior to May 1 of the year.
- b) Monthly effluent samples shall be analyzed for fecal coliform during the period of irrigation.

The Department of Environmental Quality may require installation of positive disinfection facilities at a later date if a risk to public health is established.

2) A minimum 100 foot buffer zone will be required around the east, north, and west perimeter of the irrigation site. The northern edge of the site may be extended further north but in no case may be closer than 200 feet from the Niobrara River.

3) What will be the discharge pressure and trajectory of the sprayed wastewater?

4) The monitoring well located 300 feet N.E. of lagoon number 3 is acceptable. However, an additional well should be drilled located between the irrigation site and the river. Construction detail of this well should

Mr. Steve Sandvik  
Page Two  
November 12, 1981

be provided.

5) Baseline groundwater data should be established prior to issuance of a Permit to Construct including:

- a) Depth to seasonal high water table.
- b) Direction of groundwater movement.
- c) Sampling and analyses of monitoring wells for parameters contained in Chapter VIII Water Quality Standards.
- d) Locations of all existing water wells within  $\frac{1}{4}$  mile of the site, together with their use and static water levels.

6) Design calculations of the pumps for various pump stations are needed, including irrigation station. Pump characteristic curves and system head curves should also be provided.

7) Since the town's entire sewer system is to be connected into the lift stations, uninterrupted pump operation should always be ensured. Please discuss the emergency power supply in case of power shortage.

8) Locations of thrust blockings for the forcemains should be explicitly shown on the plans.

9) Will any potable water supply be brought into the pump stations for wash down? If so, adequate backflow preventer should be installed on the water lines.

Specific comments:

10) Sheet # 3:

- a) There are too many "match line As" that don't match up.
- b) The new 8" line does not discharge into the main pump station influent structure as shown, according to sheet # 9. However, since raw sewage dumps into the manhole at 7th and Maple, shouldn't the 8" line go to the influent structure for commutation?

11) Sheet # 7: What is the need for M.H. # 12 at station 4 and 75?

12) Sheet # 8:

- a) Check valve should not be located in the wet well nor be placed on the vertical portion of discharge piping. Use of a separate valve pit is strongly recommended.
- b) Please indicate whether the electrical systems for the submersible pump station comply with the NEC code requirements for Class I, Division I locations.
- c) Why limit the trash basket to the size shown? Why not make it larger to reduce maintenance needs and plugging potential?

13) Sheet # 10:

- a) Identification and specifications on southside door of transfer pump

Mr. Steve Sandvik  
Page Three  
November 12, 1981

station are not shown.

- b) Identification of floor opening in upper floor plan is missing.
  - c) I-beam for support of intermediate bearing is missing from Section 1.
- 14) Sheets # 10 and # 11:
- a) A check valve should be installed on the 1 $\frac{1}{4}$ " sump pump discharge line, with a discharge located as high as possible.
  - b) How will the pumps be raised and lowered through the floor openings?
- 15) Sheet # 11:
- a) Two different elevations shown for intermediate bearing in Section 1.
  - b) Lower floor plan shows ladder where spiral staircase should be.
- 16) Sheet # 12:
- a) Are the pump station influent structures with shredders adequately protected from unauthorized access or vandalism?
- 17) Sheet # 13: The title of this sheet is very confusing (compared to the title of Sheet # 14 which makes sense).
- 18) Sheet # 15: Station 1 and 00 on the plan view is out of place.
- 19) Sheet # 22:
- a) In order to prevent any inadvertent bypassing of untreated or partially treated wastewater through splitter structures to the point of spray irrigation, valves at the splitter structures should be properly marked to facilitate their identification.
  - b) Elevation of 10" pipe called for in Section 1 doesn't agree with drawing or with elevation called for in plan view.
  - c) Elevation of 10" pipe to lagoon #2 not shown in plan of splitter structure #2; also Section 2 view should show the 10" pipe to lagoon #2.
  - d) Elevation of 8" D.I.P. called for in Section 1 doesn't agree with drawing.
- 20) Sheet # 23:
- a) A floor drain should be provided.
  - b) Is a ventilation not needed for the irrigation pump building? What about the warning system for high water and pump failure?
  - c) Technical specification 10 should include a specification for the 10" propeller meter.
  - d) Spec 11.10 called for a sewage air release valve equipped with a stainless steel float for the forcemain, whereas the section 2 drawing shows a check valve installed upside down for air release. Please clarify.
- 21) Sheet # 26: Is the 10" pvc irrigation pipe AWWA C900 pressure pipe?

Mr. Steve Sandvik  
Page Four  
November 12, 1981

22) Spec 16.02: Standard drawing for typical granular pipe bedding should be provided.

23) Spec 16.13: Flexible sewer pipe testing specs should include deflection tests using a rigid ball or mandrel. The vertical deflection should not exceed 5% of the pipes internal diameter.

24) Attached are the latest Department of Labor wage decisions and modifications which should be included in the specifications.

25) Please use the attached EPA change order form instead of the FHA form contained in the specifications.

Please call if I can answer any questions.

Sincerely,



William S. Ewen  
Engineering Evaluator

WSE/kb

Enclosures

cc: Al Titchener - Town of Lusk  
Gerry Snyder - EPA  
Dan Kimm - Sheridan DEQ  
E.J. Fanning  
Grant File



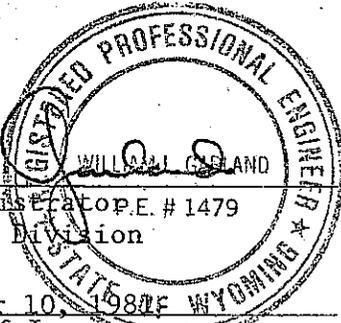
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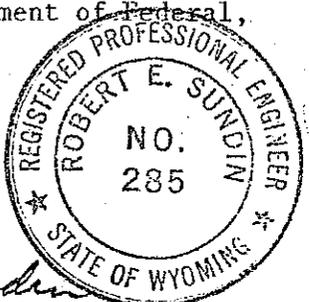
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction 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:

  
William L. [Signature]  
Administrative P.E. # 1479  
Water Quality Division  
December 10, 1987  
Date of Issuance

  
Robert E. Sundin  
Director  
Dept. of Environmental Quality

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

xc: Mal Crawford  
Wayne R. Haul

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: High Plains Meat Processing

ARCHITECT OR ENGINEER: Wayne R. Haug Environmental Health Services  
4503 Radio Road P.O. Box 2848  
Gillette, Wyoming 82716 Gillette, Wyoming 82716

WATER QUALITY DIVISION  
REFERENCE NUMBER: 81-721

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: November 18, 1981

ACTION: Not Authorized for Construction. See Comments.

COMMENTS:

1. The following additional drawings are required:

- septic tank details
- leach trench cross section
- grease trap details

In addition, the well location should be indicated on the plan.

2. Current Division policy requires that the drawings be signed by the engineer.



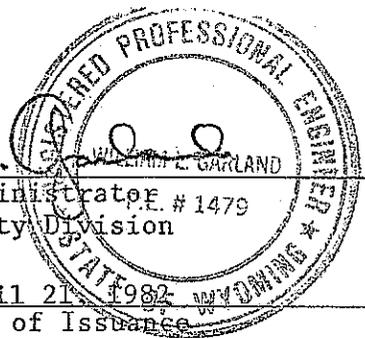
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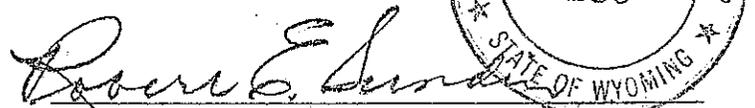
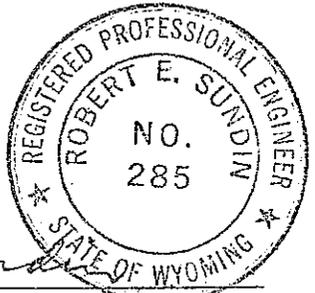
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AUTHORIZED BY:

  
\_\_\_\_\_  
WILLIAM L. GARLAND  
Administrator, E. # 1479  
Water Quality Division  
  
\_\_\_\_\_  
April 21, 1982  
Date of Issuance

  
\_\_\_\_\_  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


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

xc: Lou Coraggio  
IntraSearch, Inc.



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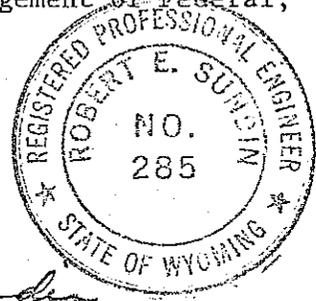
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AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
  
June 1, 1982  
\_\_\_\_\_  
Date of Issuance

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


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xc: Lou Coraggio  
IntraSearch, Inc.



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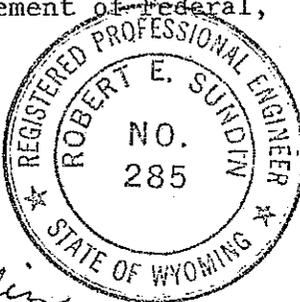
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AUTHORIZED BY:

  
*William J. Carland*  
Adminisrator  
Water Quality Division P.E. # 1479  
April 21, 1982  
Date of Issuance

  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

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xc: Lou Coraggio  
IntraSearch, Inc.



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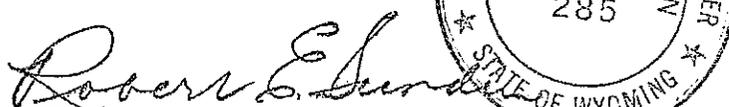
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
179  
Administrator  
Water Quality Division  
STATE OF WYOMING  
REGISTERED PROFESSIONAL ENGINEER

  
ROBERT E. SUNDIN  
NO. 285  
Director  
Dept. of Environmental Quality  
STATE OF WYOMING  
REGISTERED PROFESSIONAL ENGINEER

April 21, 1982  
Date of Issuance

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

xc: Lou Coraggio  
IntraSearch, Inc.



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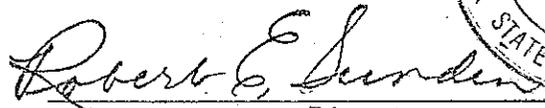
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
1479  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING

Administrator  
Water Quality Division

April 21, 1982  
Date of Issuance

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

Director  
Dept. of Environmental Quality

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xc: Lou Coraggio  
IntraSearch, Inc.



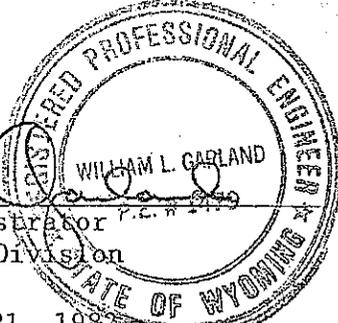
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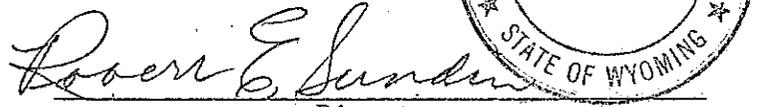
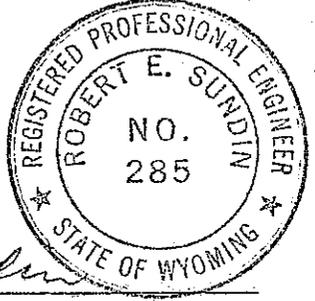
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  


April 21, 1982  
Date of Issuance

  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


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

xc: Lou Coraggio  
IntraSearch, Inc.



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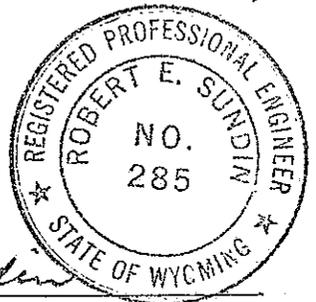
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AUTHORIZED BY:

  
AdminisTRATOR WILLIAM L. GARLAND  
Water Quality Division E. # 1479  
April 21, 1982  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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IntraSearch, Inc.



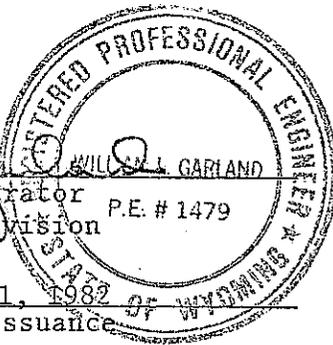
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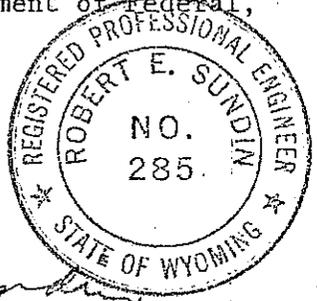
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AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator P.E. # 1479  
Water Quality Division  
  
April 21, 1982  
Date of Issuance

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


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xc: Lou Coraggio  
IntraSearch, Inc.



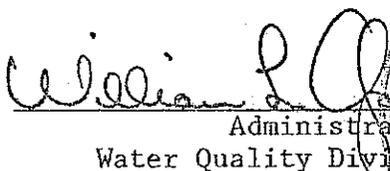
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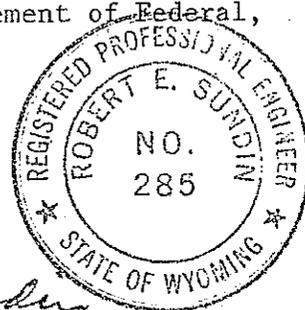
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AUTHORIZED BY:

  
Administrator  
Water Quality Division



  
Director  
Dept. of Environmental Quality



April 21, 1985  
Date of Issuance

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xc: Lou Coraggio  
IntraSearch, Inc.



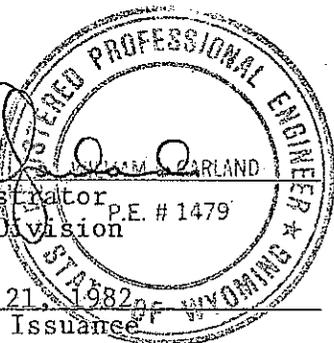
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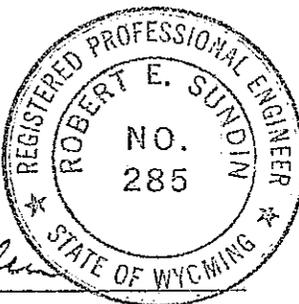
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AUTHORIZED BY:

  
*William L. Coraggio*  
Administrator  
Water Quality Division  
P.E. # 1479  
April 21, 1982  
Date of Issuance

  
*Robert E. Sundin*  
Director  
Dept. of Environmental Quality

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

xc: Lou Coraggio  
IntraSearch, Inc.

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Peabody Coal Company Rochelle Mine  
Sediment Ponds and Containment Ditches

ARCHITECT OR ENGINEER: Lou Coraggio, P.E.  
IntraSearch, Inc.  
3312 4th Avenue North  
Billings, Montana 59101

WATER QUALITY DIVISION REFERENCE NUMBER: 81-681 through 81-705 and 8-722 thru 81-730

REVIEWING ENGINEER: Dan H. Kimm, P.E. *DK*

DATE OF REVIEW: November 12, 1981

ACTION: Not Authorized for Construction (see the comments)

COMMENTS:

1. "Appendix C" in which the runoff calculations for all hydraulic structures are presented should be submitted for our review.
2. Facilities Area NPDES Reservoirs (SP-1, SP-7, SP-8, SP-9 and SP-10) are required to have flow measuring devices equipped at the ponds' discharging outfalls for monitoring discharge flow. NPDES permit calls for flow measuring devices being capable of indicating values within 10% of the actual flow. Please address.
3. Plan sheet 2 of 6 indicates the maximum anticipated pit water inflow into SP-1 reservoir to be 35 gpm, whereas the draft of mining hydrology indicates it as 13.2 gpm. Please clarify.
4. Containment ditches should be provided with capabilities to dewater supernatant following a 10 year-24 hour storm event to provide a room for a back to back precipitation event of the same magnitude (see section 5.4.3 of the Mining Hydrology).

It is not considered a pond structure designed on the basis of 25 year-24 hour storm event as proposed is capable of holding runoff resulted from two successive 10 year-24 hour storms without generating overflow discharge. Should a discharge occur, it is likely that the effluent limitation cannot be met due to insufficient detention time. Please discuss.

5. Specifications for the pond excavation, berm installation, compaction, fill material, etc., should be provided.

6. It is observed that freeboards provided for some of the reservoirs and containment ditches are either marginal or insufficient. We are concerned about pond water being spilt over during high winds. Please address.
7. Draft of "Mining Hydrology, Section 5" indicates that wastes from the synthetic methane gasification plant, including bottom ash, fly ash, flue gas desulfurization sludge, gasifier slag, etc., will be shipped back to the Rochelle Mine for burial. This activity has to be permitted by the Solid Waste Management Section of Wyoming Department of Environmental Quality in Cheyenne. Please contact Mr. Charlie Porter at (307) 777-7752.
8. Since the draft also states that a potential groundwater salt hazard resulting from backfilled spoils exists in some areas of the mine, applicable provisions of Water Quality Chapter 8 Regulations have to be met, particularly the sections 5 and 6 concerning classification for underlying groundwater and underground management of wastes. Groundwater Section of Water Quality Division should be consulted in this matter. (Chapter 8 Water Quality Regulation is enclosed.)

xc: R. J. Lennox, WQD Cheyenne



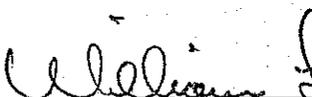
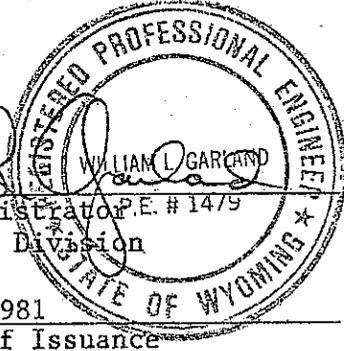
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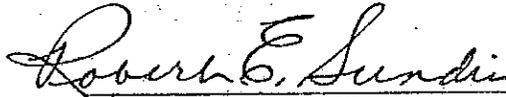
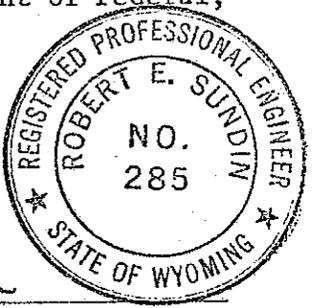
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AUTHORIZED BY:

  
WILLIAM L. GARAND  
Administrator P.E. # 1479  
Water Quality Division  
  
November 30, 1981  
Date of Issuance

  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


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

RR/dl  
November 30/81

Chay ✓

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
210 LINCOLN STREET  
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: Big Piney Water Line Extension

ENGINEER: Dan Dean  
Johnson, Fermelia & Crank, Inc.  
Box 631  
Kemmerer, WY 83101

OWNER: Town of Big Piney  
Big Piney, WY

WATER QUALITY DIVISION REFERENCE NUMBER: 81-731

REVIEWING ENGINEER: Rich Ruyle RR

DATE OF REVIEW: 11/18/81

ACTION: Not authorized.

COMMENTS:

- 1) Calculations are needed to verify that 20 psi can be maintained under all conditions of flow (fire flow plus peak demand.)
- 2) Some justification for the size of pipe selected should be given. What is the population or number of units to be served? Is there any anticipated future expansion to be served by the line? Is the existing water ball sufficient to serve any added demand? Where is the existing well that is being tied into?
- 3) Is there provision for draining the air release valve chamber?
- 4) Drains at the low points in the water line are suggested.
- 5) Has the location of the fire hydrants been approved by local officials?

RR:db  
11/19/81

A, B, C

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 3, 1981

Mr. Rick Canterberry  
Natural Gas Corporation of California  
85 South 200 East  
Vernal, Utah 84078

RE: 81-732RR; Hams Fork Well #24-5

Dear Mr. Canterberry:

After reviewing the as-built drawings for the above referenced facility, it has been determined that they are acceptable. This letter is being issued in lieu of a permit to construct, which cannot be issued for as-built facilities.

Respectfully,

*Albert J. Berreth*

Albert J. Berreth  
Southwest District Engineer

AJB:nb  
Enclosure

Copy: ✓ Cheyenne DEQ/WQD  
File (4)  
Don Armstrong

*Cheyenne*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
210 LINCOLN STREET  
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: HAMS FORK WELL #24-5

ENGINEER: Tudor Engineering Company  
450 S. Federal Blvd.  
Riverton, WY 82501

OWNER: Natural Gas Corporation of California  
85 South 200 East  
Vernal, UT 84078

WATER QUALITY DIVISION REFERENCE NUMBER: 81-732

REVIEWING ENGINEER: Al Berreth *ajf*

DATE OF REVIEW: October 14, 1981

ACTION: Not authorized.

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

1. It is my understanding that this facility is already constructed. If so, an unsigned application needs to be submitted.
2. A letter is needed from the hauler which states he has the capacity, and is willing, to haul the sewage from this facility.
3. Details of the lines and tanks need to be provided.
4. An explanation of the parameters used in sizing the tanks and lines is needed.
5. A complete review will be made upon receipt of the above information.

AB:nb

Copy: Cheyenne DEQ/WQD  
Lincoln County Planner  
File (4)

*A, C*



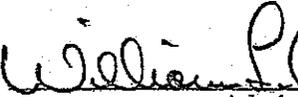
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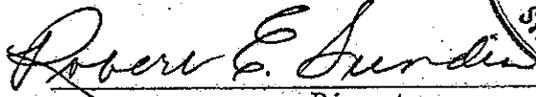
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING

October 5, 1981  
Date of Issuance

  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  
REGISTERED PROFESSIONAL ENGINEER  
NO. 285  
STATE OF WYOMING

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

FL:nb  
10/5/81

11-5-81

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-734

WATER SERVICE TO THE BLUFFS P.U.D., PHASE I  
(Name of Facility)

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

Pacific Power and Light Co.  
920 S.W. Sixth Avenue  
Portland, Oregon 97204

to construct, install, or modify a \_\_\_\_\_

water distribution system

\_\_\_\_\_ facility according to the procedures and conditions of the

application No. 81-734. The facility is located in \_\_\_\_\_

Sec. 27, T. 19N, R. 105W

\_\_\_\_\_ in the County of Sweetwater,

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

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

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

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

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

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

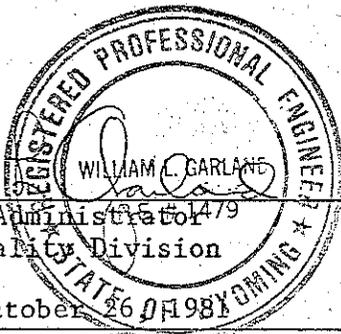
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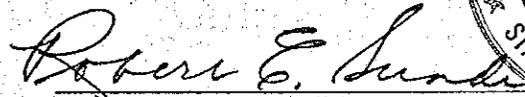
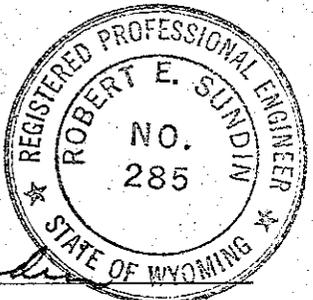
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AUTHORIZED BY:

  
  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
October 26 1981  
Date of Issuance

  
  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality

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

AB:nb  
10/26/81



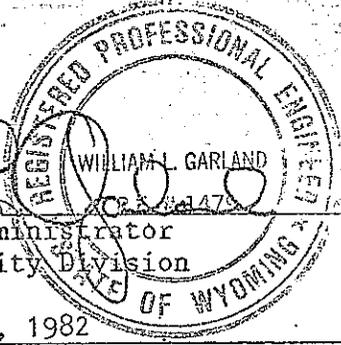
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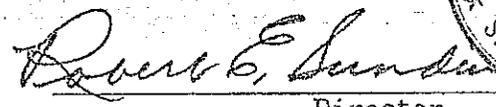
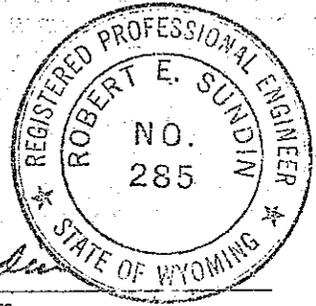
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AUTHORIZED BY:

  
  
WILLIAM L. GARLAND  
Administrator  
Water Quality Division  
July 1, 1982  
Date of Issuance

  
  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality

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

\*Conditions of Permit\*

1. May require the installation of additional monitoring wells if excursions from the Disposal Pit becomes evident by the monitoring data. Such monitoring data from the appropriate monitoring wells must be submitted to DEQ/WQD as soon as available.
2. All completion and testing data for the monitoring wells to be installed should also be submitted to DEQ/WQD as soon as available.
3. After background data has been submitted DEQ/WQD will determine or establish the appropriate control limits. The Contingency Plan shall be activated as described in the submitted documents if these limits are exceeded.

MRC:dp

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

210 Lincoln

LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: FEDERAL AMERICAN PARTNERS - TAILING DISPOSAL SOLAR EVAPORATION PONDS A & B

ENGINEER: Dames & Moore  
250 E. Broadway, Suite 200  
Salt Lake City, UT 84111  
ATT: W. R. Highland

Streeter Engineering  
1220 Hawthorne  
Casper, WY 82601  
ATT: Robert Streeter

Emmerson Kemp & Assoc., Inc.  
8795 Ralston Red. Suite 101  
Arvada, CO 80002

OWNER: Federal American Partners  
Gas Hills Star Route  
Riverton, WY 82501  
ATT: Ken Watts & Niles Andrus

WATER QUALITY DIVISION REFERENCE NUMBER: 81-735RR

REVIEWING ENGINEER: *M. Robin Collins*  
M. Robin Collins, P.E. and Tony Mancini, P.E.

DATE OF REVIEW: April 22, 1982

ACTION: Not authorized.

COMMENTS: As discussed in our April 20, 1982 meeting in Casper, we would like to offer the following comments for your consideration in processing the "Permit to Construct":

1. Because of possible changes associated with the monitoring program for the adjacent disposal pit and the possibility of eliminating wells S-7 and S-8, the groundwater monitoring program for Ponds A & B should be upgraded to reflect the proposed changes.
2. Reclarification on what constitutes "shallow" and "deep" monitoring wells should be shown. For example, a deep well is one which is drilled down to the mud-stone layer.
3. Recommend Table 6 have the operational monitoring frequency for the appropriate wells increased from annually to quarterly.
4. Reassurances concerning the development of adequate background data from the ponds monitoring wells should also be given.

If further information is required, please do not hesitate to contact us.

MRC:ch

AC

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: FEDERAL AMERICAN PARTNERS - TAILING DISPOSAL SOLAR EVAPORATION PONDS A&B

ENGINEER: Dames & Moore  
250 E. Broadway, Suite 200  
Salt Lake City, UT 84111  
ATT: W.R. Highland

Streeter Engineering  
1220 Hawthorne  
Casper, WY 82601  
ATT: Robert L. Streeter, P.E.

OWNER: Federal American Partners  
Gas Hills Star Route  
Riverton, WY 82501  
ATT: Jerry Lucas

WATER QUALITY DIVISION REFERENCE NUMBER: 81-735R

REVIEWING ENGINEER: *M. Robin Collins*, P.E. and Tony Mancini, P.E.

DATE OF REVIEW: March 10, 1982

ACTION: Not authorized.

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

1. We still do not feel the proposed lead indicators are sufficient enough to determine compliance with Chapter VIII "Quality Standards for Wyoming Groundwaters". We, again, would like to have the lead indicators expanded to include the following: chlorides, nitrates, sulfates and total dissolved solids.
2. The revised Table 6 should have the operational monitoring frequency increased from annually to quarterly.

MRC:ch

A.C

*Cheyenne*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
210 LINCOLN STREET  
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: FEDERAL AMERICAN PARTNERS - TAILING DISPOSAL SOLAR EVAPORATION PONDS A & B

ENGINEER: Dames & Moore  
250 E. Broadway, Suite 200  
Salt Lake City, UT 84111  
ATTN: W. R. Highland

Streeter Engineering  
1220 Hawthorne  
Casper, WY 82601  
ATTN: Robert L. Streeter, P.E.

OWNER: Federal American Partners  
Gas Hills Star Route  
Riverton, WY 82501  
ATTN: Ken Watts

WATER QUALITY DIVISION REFERENCE NUMBER: 81-735

REVIEWING ENGINEER: *M. RC by JCH*  
M. Robin Collins, P.E. and Tony Mancini, P.E.

DATE OF REVIEW: October 16, 1981

ACTION: Not authorized.

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

1. How do you plan to plug Well P-2?
2. How do you plan to anchor the liner for Pond B along the roadway between Ponds A & B?
3. Please supply further information on the energy dissipators to be used as a erosion control device for the discharge of the inter-connecting pipe between the ponds.
4. Also, please specify further information on how leakage will be controlled around the pipes projecting through the liners.
5. Recommend Page 6 of the Dames & Moore letter be removed from this application.
6. On Page 7 of this same letter, request further clarification of the "and/or" used in describing geophysical logging.
7. The proposed lead indicators as described in Table 1 should be expanded to include the following: chlorides, nitrates, sulfates and total dissolved solids.

8. We recommend the following addition to the criteria for instituting the contingency plan:
  - (3.) If the lead indicators or geophysical logging results exceed a certain limit, to be determined at a later date following the first year's monitoring results, then the contingency plan will be initiated.
  
9. Recommend the second sentence of the first stage of the contingency plan read as follows:

"A mutually agreed to approach for defining the extent of contamination and possible remedial actions, with appropriate time limits, is the purpose of that meeting."
  
10. Recommend the contingency plan include a fourth stage to read as follows:

"All physical modifications to control seepage, such as the installation of a liner and/or a pump-back system, will be expedited through the DEQ's "Permit to Construct" process prior to any construction."
  
11. Need a better definition of when you will use geophysical logging. On all wells? Only on all dry wells?

If further information is required, please do not hesitate to contact us.

MRC:nb  
10/19/81

3-16-84

81-736  
albany



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 14, 1984

Pat Self  
P.O. Box 217  
Centennial, WY 82055

Dear Mr. Self:

On February 13, 1984, a status letter was sent to you concerning a permit to construct, reference number 81-736, facility name Old Corral Leach Area #1. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

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

Sincerely,

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

ICF/nc



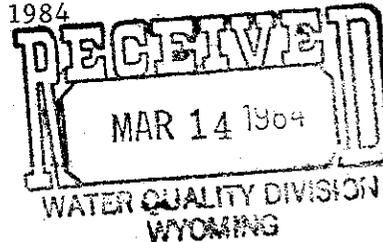
*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 13, 1984



✓ Pat Self  
P.O. Box 217  
Centennial, WY 82055

Dear Mr. Self:

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

Facility name:	Old Corral Leach Area #1
DEQ/WQD Reference Number:	81-736
Engineering Consultant:	Associated Engineers
DEQ/WQD Reviewing Engineer:	Theodore D. Coyer, P.E.
Date of DEQ/WQD Review:	October 26, 1981

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

- The application will not be resubmitted as the proposed project has been cancelled.
- The application will be resubmitted within 30 days.
- The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- Other remarks Mr. Self has decided to continue operating under his existing permit and not to construct the above referenced project.

2-15-84



THE STATE OF WYOMING

ED HERSCHLER  
GOVERNOR

*Department of Environmental Quality*  
*Water Quality Division*

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 13, 1984

Pat Self  
P.O. Box 217  
Centennial, WY 82055

Dear Mr. Self:

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

Facility name:	Old Corral Leach Area #1
DEQ/WQD Reference Number:	<u>81-736</u>
Engineering Consultant:	Associated Engineers
DEQ/WQD Reviewing Engineer:	Theodore D. Coyer, P.E.
Date of DEQ/WQD Review:	October 26, 1981

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

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

The application will be resubmitted within 30 days.

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

Other remarks \_\_\_\_\_

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

Sincerely,



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

cc: Associated Engineers  
910 Garfield Avenue  
Laramie, WY 82070

Review of Plans and Specifications

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

PROJECT: Old Corral Leach Area #1

ARCHITECT OR ENGINEER: William E. Grenier, Associate Engineers  
910 Garfield Street, Laramie, WY 82070

APPLICANT: Pat Self  
P. O. Box 217, Centennial, WY 82055

WATER QUALITY DIVISION REFERENCE NUMBER: 81-736

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

DATE OF REVIEW: October 26, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. What is the capacity of the pump? Submersible pumps should be used rather than sump pumps.
2. The lift pump motors & switches must be air and water tight to prevent sparking and corrosion.
3. The wet well of the lift station should be depended to reduce on-off cycles of the pumps and better dosing of the leach field and prevention of surcharging of the treatment plant. Please show the switch elevations.
4. Gate valves are needed in the pump discharges.
5. A high water alarm must be provided.
6. Valves should be provided in the pipes to the leach fields so that the flow to them can be balanced.
7. A distribution box should be provided for each field so that the flow can be proportioned to each part of the field. This will help prevent overtaxing one part of each field while others remain dry.
8. Will an emergency by-pass to the surface waters of the State be maintained?

11-5-81

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

Permit No. 81-737  
See Special Condition

Pioneer Water and Sewer District  
(Name of Facility)

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

Pioneer Water and Sewer District

P. O. Box 1330

Mills, WY 82644

to construct, install, or modify a municipal water distribution system, storage tank, and pump station facility according to the procedures and conditions of the application No. 81-737. The facility is located in Section 6, 7, 8, 9, 10, 11 of T33N, R80W and Sections 1, 2, 3, 9, of 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.

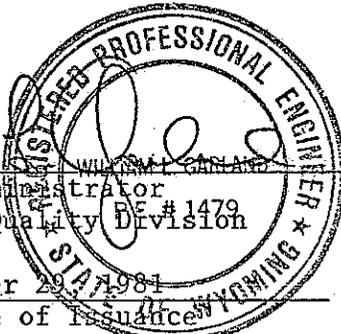
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

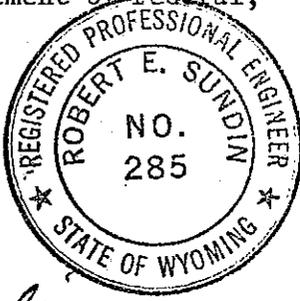
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction 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:

  
Administrator  
Water Quality Division  
October 29, 1981  
Date of Issuance

  
Director  
Dept. of Environmental Quality

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

cc: Duane Fehringer  
Western Engineers-Architects, Inc.  
501 North Sun Drive  
Casper, WY 82601

Special Condition

The applicant shall install additional water valves to meet the 800 foot interval standards as the Pioneer Water & Sewer District is developed and taps or service lines are connected to the water main.

*Chey* ✓

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
210 LINCOLN STREET  
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: KSB-A, KSB-C, KSB-D, KSB-E, KSB-1, KSB-2, KSB-3, KSB-4, & KSB-5 Reservoirs

ENGINEER: Western Water Consultants, Inc. Att: Mr. Paul A Rechard  
P.O. Box 4128  
Laramie, WY 82071

OWNER: Kemmerer Coal Co.  
Frontier, WY 83121

WATER QUALITY DIVISION REFERENCE NUMBER: 81-738, 81-739, 81-740, 81-741, 81,742,  
81-743, 81-744, 81-745, & 81-746

REVIEWING ENGINEER: Al Berreth *ajf*

DATE OF REVIEW: November 9, 1981

ACTION: Not authorized.

COMMENTS: Unless otherwise noted the following comments apply to all the structures listed above. A permit will be issued for each of the structures upon resolution of the comments.

1. An individual permit is not required for each of these structures. The attached policy outlines an alternate procedure which may have been used in lieu of the method you chose.
2. The notes on sheet 2 of 2 need to be changed. Water captured by the sediment ponds needs to be analyzed and then discharged after meeting effluent requirements. A memo outlining this policy is attached.
3. The ponds need at least two feet of freeboard. A larger pond would require three feet.
4. Three to one sideslopes are needed unless the two to one slopes can be justified.
5. Four complete copies of each package must be supplied before final approval.
6. Complete specifications are needed. These specifications need to be sufficient in detail, such that the project could be bid to an independent contractor.
7. Using a rainfall of 1.66 inches and a curve number of 79, I get direct runoff of 0.34 inches which yields 0.88 ac. ft. of runoff for the KSB-A reservoir.

*A, B, C*

Review of Plans and Specifications for KSB-A, KSB-C, KSB-D, KSB-E, KSB-1, KSB-2, KSB-3, KSB-4, KSB-5, DEQ 81-738, 81-739, 81-740, 81-741, 81-742, 81-743, 81-744, 81-745, & 81,746.

Date of Review-November 9, 1981

Page 2

8. Please explain the runoff hydrograph. It appears that runoff occurs for a shorter time period than rainfall. Perhaps a plot would be useful.
9. The computer runs for all ponds need to be submitted.
10. The discharge permit section will need to be notified of the existence of additional ponds.
11. How will the structures be dewatered?
12. What means will be used to determine sediment levels and how will that sediment be removed?
13. This does not necessarily constitute a final review.

AB/d1

11/9/81

cc: Cheyenne DEQ/WQD

Lander DEQ/LQD

File (5)

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-738R

KSB-A Reservoir  
(Name of Facility)

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

Kemmerer Coal Co.  
Frontier, WY 83121

to construct, install, or modify a mine sediment pond

facility according to the procedures and conditions of the application No. 81-738R. The facility is located in

Sec. 19, T21N, R116W

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

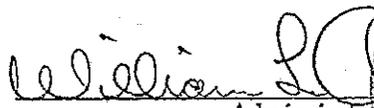
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

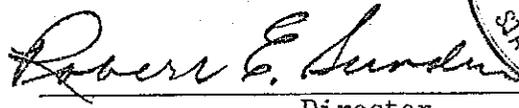
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction 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:

  
WILLIAM L. GARLAND  
P.E. # 1479  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING  
Administrator  
Water Quality Division  
March 4, 1982  
Date of Issuance

  
ROBERT E. SUNDIN  
NO. 285  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING  
Director  
Dept. of Environmental Quality

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

AJB:ch



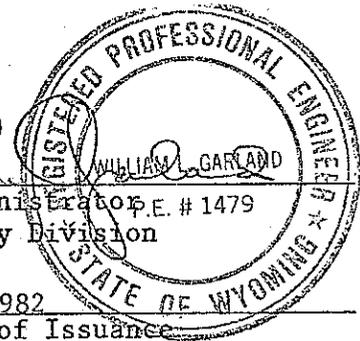
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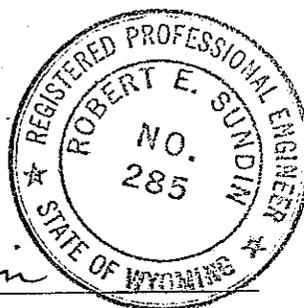
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AUTHORIZED BY:

  
\_\_\_\_\_  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
  
March 4, 1982  
Date of Issuance

  
\_\_\_\_\_  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  


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

AJB:ch



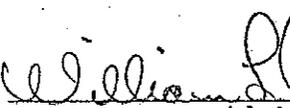
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator # 1475  
Water Quality Division  
STATE OF WYOMING  
March 4, 1982  
Date of Issuance

  
ROBERT E. SUNDIN  
NO. 285  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING  
Director  
Dept. of Environmental Quality

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

AJB:ch

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-741R

KSB-E Reservoir  
(Name of Facility)

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

Kemmerer Coal Co.  
Frontier, WY 83121

to construct, install, or modify a mine sediment pond

facility according to the procedures and conditions of the

application No. 81-741R. The facility is located in

Sec. 17, T21N, R116W

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

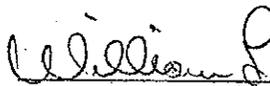
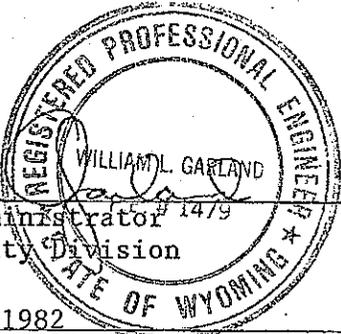
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

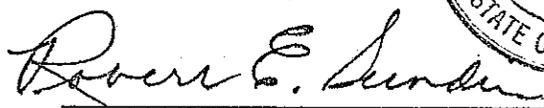
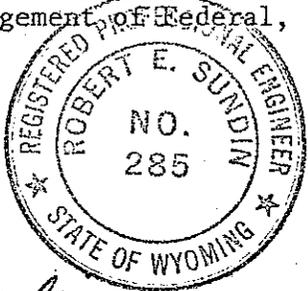
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction 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:

  
  
Administrator # 1479  
Water Quality Division  
March 4, 1982  
Date of Issuance

  
  
Director  
Dept. of Environmental Quality

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

AJB:ch



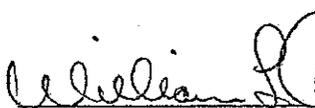
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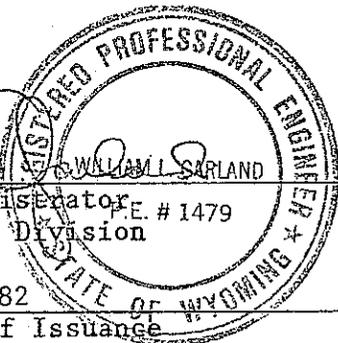
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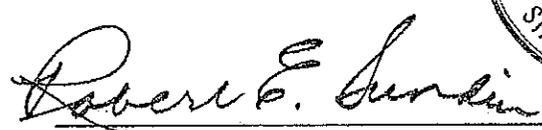
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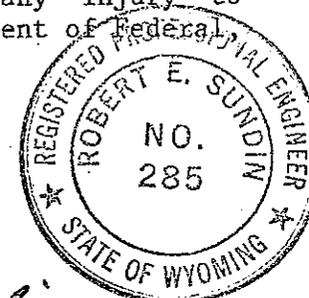
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AUTHORIZED BY:

  
\_\_\_\_\_  
WILLIAM L. SARLAND  
Administrator, E. # 1479  
Water Quality Division  
March 4, 1982  
\_\_\_\_\_  
Date of Issuance



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



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

AJB:ch

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 81-743R

KSB-2 Reservoir  
(Name of Facility)

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

Kemmerer Coal Co.  
Frontier, WY 83121  
 \_\_\_\_\_

to construct, install, or modify a mine sediment pond

\_\_\_\_\_ facility according to the procedures and conditions of the

application No. 81-743R. The facility is located in \_\_\_\_\_

Sec. 19, T21N, R116W

\_\_\_\_\_ in the County of Lincoln,

in the State of Wyoming. This permit shall be effective for a period of Two (2)

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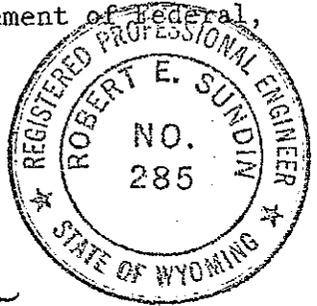
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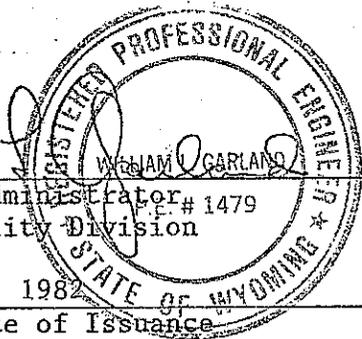
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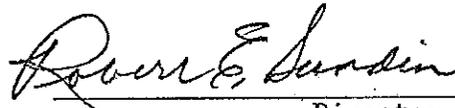
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AUTHORIZED BY:



  
\_\_\_\_\_  
Adminisrator # 1479  
Water Quality Division  
March 4, 1982  
\_\_\_\_\_  
Date of Issuance



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

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

AJB:ch



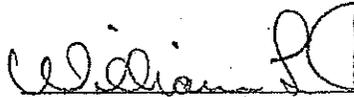
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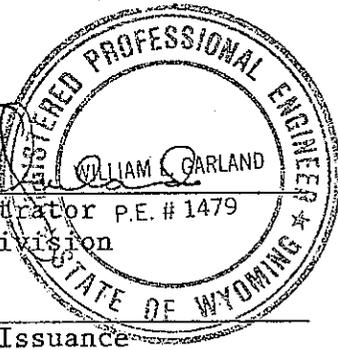
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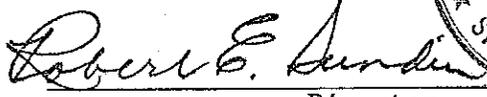
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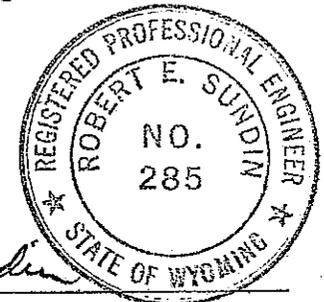
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AUTHORIZED BY:

  
\_\_\_\_\_  
WILLIAM L. GARLAND  
Administrator P.E. # 1479  
Water Quality Division  
March 4, 1982  
\_\_\_\_\_  
Date of Issuance



  
\_\_\_\_\_  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality



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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
# 1475  
Administrator  
Water Quality Division  
STATE OF WYOMING  
March 4, 1982  
Date of Issuance

  
ROBERT E. SUNDIN  
NO. 285  
REGISTERED PROFESSIONAL ENGINEER  
STATE OF WYOMING  
Director  
Dept. of Environmental Quality

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

AJB:ch



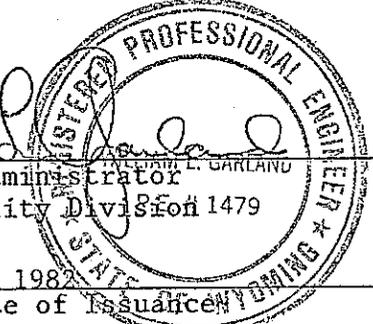
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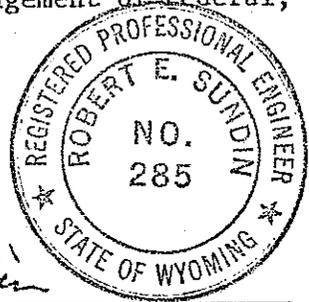
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AUTHORIZED BY:

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER", "WILLIAM J. GARLAND", "STATE OF WYOMING", and "NO. 1479".  
*William J. Garland*  
\_\_\_\_\_  
Administrator  
Water Quality Division 1479  
  
\_\_\_\_\_  
March 4, 1982  
Date of Issuance

A circular seal for a Registered Professional Engineer in the State of Wyoming. The seal contains the text "REGISTERED PROFESSIONAL ENGINEER", "ROBERT E. SUNDIN", "STATE OF WYOMING", and "NO. 285".  
*Robert E. Sundin*  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

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AJB:ch



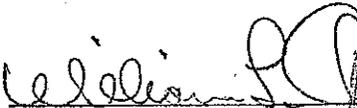
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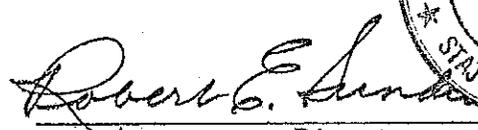
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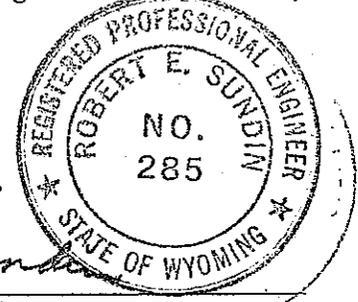
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AUTHORIZED BY:

  
\_\_\_\_\_  
Administator  
Water Quality Division P.E. # 1479  
March 4, 1982  
\_\_\_\_\_  
Date of Issuance



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



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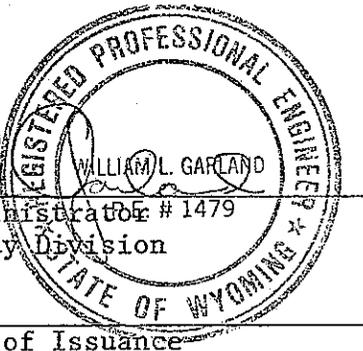
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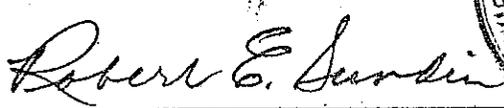
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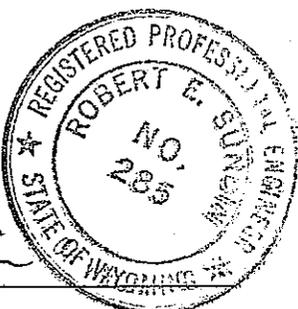
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
MARCH 4, 1982  
Date of Issuance



  
Director  
Dept. of Environmental Quality



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 STREET  
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: KSB-6 Reservoir

ENGINEER: Paul A Rechard  
P.O. Box 4128  
Laramie, WY 82071

OWNER: Kemmerer Coal Co.  
Frontier, WY 83121

WATER QUALITY DIVISION REFERENCE NUMBER: 81-747

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: November 9, 1981

ACTION: Not authorized.

COMMENTS: Before a "Permit to Construct" can be issued the following comments need to be addressed.

1. Three feet of freeboard needs to be provided.
2. Please show some documentation for the slope length factor used.
3. This is a very long ditch. Please address the possibility of wave action and uneven sediment accumulation. If either of these could be a problem, what corrective action will be taken?
4. Please address the entire drainage area in reference to sediment accumulation.
5. If almost the entire area is disturbed, it seems that a "fair hydrologic condition" and CN of 79 is generous. Please address this.
6. The second note is inappropriate. Please see our latest memo on this.
7. Four complete copies of the application package will be needed prior to final acceptance.
8. Complete construction specifications are needed.
9. The runoff figure seems to be low. Please explain the calculating method and runoff hydrograph.

*A.B.C*

Review of Plans and Specifications for KSB-6 Reservoir, DEQ 81-747  
Date of Review - November 9, 1981  
Page 2

10. The discharge permit section needs to be aware of this new pond.
11. Please, more fully describe the dewatering and sediment removal procedures.
12. This is not necessarily a final review.

AB/d1

11/9/81

cc: Cheyenne DEQ/WQD  
Lander DEQ/LQD  
File (5)

*Chap J*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
210 LINCOLN STREET  
LANDER, WYOMING 82520

PHONE: (307) 332-3144

PROJECT: KSB-B Reservoir

ENGINEER: Paul A. Rechard  
P.O. Box 4128  
Laramie, WY 82071

OWNER: Kemmerer Coal Co.  
Frontier, WY 83121

WATER QUALITY DIVISION REFERENCE NUMBER: 81-748

REVIEWING ENGINEER: Al Berreth *ajb*

DATE OF REVIEW: November 9, 1981

ACTION: Not authorized.

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

1. Three feet of freeboard is needed.
2. The interior 2:1 sideslopes should be 3:1 unless the 2:1 can be justified.
3. The second note on the drawing needs to be revised to reflect the June 1981 policy memo.
4. Please show documentation for the slope - length factor used.
5. Please address sediment derived from the undisturbed area.
6. The CN for the disturbed area should be higher than for the undisturbed area.
7. Please address dewatering and sediment removal procedures.
8. Four complete copies of the application package are required prior to permitting.
9. Complete construction specifications are required.

*A.C*

Review of Plans and Specifications for KSB-B Reservoir, DEQ 81-748  
Date of Review - November 9, 1981  
Page 2

10. The runoff figure seems to be low. Please explain the calculating method and runoff hydrograph.
11. The discharge permit section needs to be notified of the new pond.
12. The preceding does not necessarily constitute a final review.

AB/dl  
11/9/81



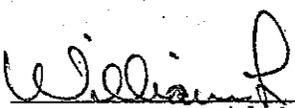
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AUTHORIZED BY:

  
WILLIAM L. GARLAND  
Administrator # 1479  
Water Quality Division  
STATE OF WYOMING  
December 28, 1987  
Date of Issuance

  
ROBERT E. SUNDIN  
Director  
Dept. of Environmental Quality  
STATE OF WYOMING  
REGISTERED PROFESSIONAL ENGINEER  
NO. 285

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

*Cheyenne*

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
210 LINCOLN STREET  
LANDER, WYOMING 82520

PHONE: (307) 332-3144



PROJECT: FRAC-TANKS, INC.

ENGINEER: C. E. Spurlock, Jr. & Associates, Inc.  
P.O. Box 0  
Lander, WY 82520

OWNER: Frac-Tanks, Inc.  
695 Cross  
Lander, WY 82520

WATER QUALITY DIVISION REFERENCE NUMBER: 81-749

REVIEWING ENGINEER: Jeff Hermansky

*JCH*

DATE OF REVIEW: October 14, 1981

ACTION: Not authorized.

COMMENTS:

The following questions and comments need to be addressed before a "Permit to Construct" can be issued:

1. Please include a simple site plan showing the location and layout of Frac-Tanks, Inc. with the collection pit.
2. Where will the wastewater from the collection pit be disposed? Please include a letter from the proposed recipient stating that he will accept the wastewater and how it will be disposed.
3. Each plan sheet must be signed by the Engineer.

If you have any questions, please feel free to contact either Robin Collins or me.

JCH:nb  
10/15/81

*A.C*

11-5-81

PERMIT TO CONSTRUCT

- New  
 Renewal  
 Modified

Permit No. 81-750R

Paradise Ranch Residence  
(Name of Facility)

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

University of Wyoming Trustees

P. O. Box 3227

Laramie, WY 82071

to construct, install, or modify a small subsurface wastewater disposal facility facility according to the procedures and conditions of the application No. 81-750R. The facility is located in Section 12, T15N, R74W 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.

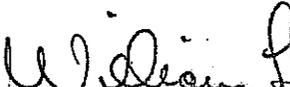
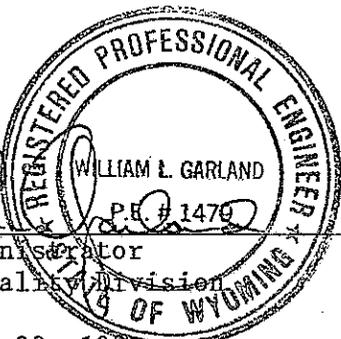
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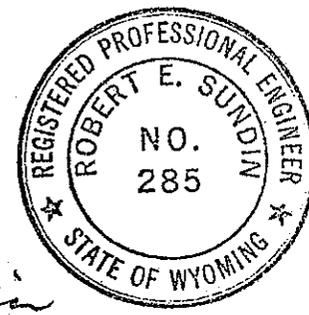
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AUTHORIZED BY:

  
  
Administrator  
Water Quality Division  
STATE OF WYOMING

  
  
Director  
Dept. of Environmental Quality

October 30, 1981  
Date of Issuance

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

cc: Fred Crowell  
University of Wyoming  
P. O. Box 3227  
Laramie, WY 82071

Review of Plans and Specifications

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

PROJECT: Paradise Ranch Residence Septic Field

ARCHITECT OR ENGINEER: Fred B. Crowell  
P. O. Box 3227, Laramie, WY 82071

WATER QUALITY DIVISION REFERENCE NUMBER: 81-750

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

DATE OF REVIEW: October 16, 1981

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Two copies of the proposed construction plans must be submitted to the WQD which carry the signature or seal of a licensed Professional Engineer who is registered in the State of Wyoming.
2. Since we have no record of the previous septic tank/leach field system design, this application will be considered as new construction for the leach field. Indicate total volume of wastewater on application form.

