

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
165 E. Railroad Ave.
Green River, Wyoming 82935
Phone: (307) 875-6911

PROJECT: Texasgulf Chemicals Company Soda Ash Tailings Seepage Control Proposal
and Management Facility

ENGINEER: Elliott Engineering Company and D'Appolonia
P. O. Box 1 Waste Management Services
Littleton, CO 80160 7400 So. Alton Ct.
Englewood, CO 80112

OWNER: Texasgulf Chemicals Company, Inc.
P. O. Box 100
Granger, WY 82934

WATER QUALITY DIVISION REFERENCE NUMBER: 83-1RR

REVIEWING EVALUATORS: Jack Bedesse^{JB}m, Kate Laudon^{KR}

DATE OF REVIEW: December 6, 1983

ACTION: Not Authorized

COMMENTS: Texasgulf Chemicals Company has presented and submitted alternatives for the mitigation of seepage from their tailings pond and long term tailings management. Texasgulf, as the owner/operator of this soda ash operation needs to be aware that neither the submitted proposals nor the issuance of a "Permit to Construct" relieve them from the responsibilities or liabilities for previous violations of state statutes and regulations.

On October 4, 1983 Texasgulf submitted to this department an application and proposed plan which consists of (a) a main tailings containment area, Ponds 3B and 3C, (b) two additional ponds, 3A and 3D, (c) northern and southern mitigation structures and dams, (d) northern and southern dikes, (e) surface water diversion ditches, (f) tailings disposal pipeline system, and (g) monitoring wells. The preliminary engineering report has been reviewed and the proposal seems viable, such that a "Permit to Construct" may be issued. In the matter of the review, the following items need to be addressed:

General Design and Considerations

1. The application and plans for a "Permit to Construct" must be signed by a registered Wyoming Professional Engineer.
2. Provide and address the design criteria used for estimating the required evaporative area and storage capacity. The following information should be included: evaporation and precipitation rates, tailings water and solids flow rate projections, water balance, etc.

ABC

General Design and Considerations - Cont.

3. Hydrogeologic investigations have revealed that seepage from the tailings pond is moving along a weathered zone and extends north and south from the pond. Address the second potential seepage pathway which is downdip through the sandstone units that subcrop in the playa.
 - (a) Assess the changes in permeability that may occur as a result of tailings water contacts with the clays.
 - (b) Organics in the tailings water may cause the interlayer spaces of clays to shrink.
 - (c) Dissolution of silica when in contact with the high pH tailings water.
4. Information is needed as to onsite suitable construction materials. Address the quantities of onsite suitable materials versus the quantities required for dikes, dams, slurry, and backfill.
5. The construction area should be thoroughly inspected for exploratory drill holes which could act as conduits for the tailings water.
6. Address in detail the comprehensive monitoring system for the tailings management facility. This program must be meticulously designed to determine the effectiveness of the seepage mitigation structures. In contrast to the recommendation of Elliott Engineering, this department feels that monitoring wells at depths greater than 50 feet may be required.
7. Address the operation of the decanting structure when the solids deposited in Ponds 3B and 3C reaches an elevation of 6514. Also address the possible plugging of the discharge pipe due to solids deposition, especially if the use is intermittent.

Tailings Blanket

1. In Section 4.2.3 it states that the test information on cohesion and internal friction indicates that the tailings materials will not support slopes unless slopes are very flat. Information is needed as to the effectiveness of the tailings blanket in reducing seepage through the sides of tailings pond 3C.
2. Address the long term affect of tailings water on the tailings blanket.
3. Address the construction specifications and quality control measures for the tailings blanket and the tailings/soil liner (compaction, permeability, density, tailings to soil ratio, etc.)

Seepage Mitigation Structures, Dikes, and Dams

1. Address the long term integrity of the seepage barrier, dikes and dams when in contact with the tailings water. The following information should be included:
 - (a) Assess the structures performance in terms of initial permeability and changes in the permeability over time as a result of physical and chemical contact with the tailings water.
 - (b) Evaporation will have a concentrating affect on the tailings water. Evaluate the effect of the concentrated tailings water on the structures and tailings blanket.

Seepage Mitigation Structures, Dikes, and Dams - Cont.

- (c) A significant head will be developed near the seepage barrier, especially when the dams have been raised. Assess the possibility of seepage being forced around, under or through the barriers.
2. Address the materials, specifications and quality control measures to be used in the construction of the slurry wall, dikes and dams. The following information should be included:
 - (a) In Section 4.2.4 it stated that the selected mud did not flocculate when mixed with the tailings water. Provide and address the data from this lab investigation, in terms of test conditions, composition of tailings water used, and composition of mud which shows acceptable permeability.
 - (b) Are any polymers or other chemicals to be added to the slurry material and/or backfill? If so, address short and long term chemical reactions that may take place with the tailings water.
 - (c) Assess the possibility and affect of getting gypsum in the construction materials or in the bottom of the trench.
3. The eastern and western limits of the seepage barriers need to be defined. The seepage barrier should abate the higher topography at the points where the base of the weathered rock zone equals the highest anticipated water level in Ponds 3A and 3D.

This review letter is being issued with the understanding that Texasgulf will submit a technical report addressing the dissipation and dilation of the seepage water beyond the mitigation structures.

Submit the required information to this office. If you have any questions please feel free to contact me.

cc: William Garland-DEQ/WQD
Jake Strohman-DEQ/WQD
Tony Mancini-DEQ/WQD
Rick Englemann-DEQ/LQD Lander
Dave Naftz-DEQ/LQD Cheyenne
Chris Lidstone-DEQ/LQD Cheyenne

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: Texasgulf Chemicals Co., Soda Ash Operations
Pumpback Trench below Tailings Storage Area

ENGINEER: Alpine Eng.
Box 1317
Green River, WY 82935

OWNER: Texasgulf Chemicals, Inc.
P. O. Box 100
Granger, WY 82934

WATER QUALITY DIVISION REFERENCE NUMBER: 83-1

REVIEWING ENGINEER: Albert J. Berreth, Tony Mancini *ajk*

DATE OF REVIEW: February 14, 1983

ACTION: Not authorized.

COMMENTS:

1. Application form unsigned, and must be signed by the applicant.
2. Proposed Northeast mitigating structure omitted from application form.
3. Structure described on application form poorly shown on plans.
4. Letter accompanying the application instructs the Water Quality Division not to construe the filing of the application as a commitment by Texasgulf to construct any form of mitigating structure.
5. The design drawings are preliminary, but once a permit is issued, structures must be constructed according to submitted plans and specifications.
6. The language used in the narrative is subjective, such as "if the pit is built", etc.; DEQ expects a positive statement.
7. The site plan should show the full, present extent of seepage.
8. All plan maps should have a legal land description shown (Section, Township, Range preferred).
9. Page 10, Section VI, first paragraph: explain the meaning of "(2) the estimated cross-section of low".

ABC

February 14, 1983

Page Two

10. The proposed schedule shows work to commence in the 2nd Quarter of 1983, expecting that Texasgulf is not committing to any construction at any time: what does the work schedule refer to?

11. Will the "Phase VI" cutoff be effective in arresting at least 90% of any amount of seepage past the site, or only 90% of less than 15 gpm?

12. Why cannot the difference in flow between a total of 450 gpm and a flow of 3 to 40 gpm past the site for the "Phase VI" structure be due partially (or mostly) to seepage percolating downwards before reaching the site of the proposed structure. Fracturing continues to a depth greater than 50 feet, according to information already submitted.

13. The possibility of floating the sump needs to be addressed.

14. A set of drawings bearing the engineer's seal or stamp need to be submitted.

15. For the deep installation of the PVC drain pipe, expected and acceptable deflection need to be addressed.

AJB:dcn

cc: Tony Mancini

File (6)



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 21, 1983

CERTIFIED

South Mountain View Improvement
and Service District
P.O. Box 538
Mills, WY 82644

RE: Proposed Sanitary Sewer and Potable Water Supply Improvements, DEQ/WQD Ref. No. 83-2

Gentlemen:

Your application for a "Permit to Construct" sanitary sewers and potable water mains in the South Mountain View Improvement and Service District has been reviewed by the Water Quality Division and is hereby denied pursuant to W.S. 35-11-110(a)(ii) and W.S. 35-11-302(a)(iii) and Section 10 of Chapter III, Water Quality Rules and Regulations.

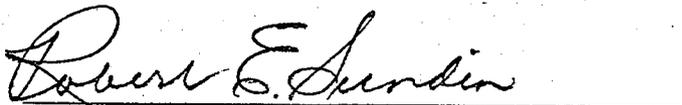
The application is unacceptable because the Brooks Water and Sewer District has refused to approve the plans for connection to their water and sewer systems. Therefore, no public water supply or wastewater treatment exists.

Pursuant to provisions of W.S. 35-11-802, you have the right to petition for a hearing before the Environmental Quality Council to contest this decision. Attached for your information is a copy of the Environmental Quality Act and the current Rules of Practice and Procedure adopted by the Council.

If we can be of further assistance or answer any questions concerning this matter, feel free to contact Mr. William Garland at 777-7781.

Sincerely yours,


William L. Garland, P.E.
Administrator
Water Quality Division


Robert E. Sundin, P.E.
Director
Department of Environmental Quality

WLG/RES/tdc/nc
Enclosures

cc: Buell Winter Mousel and Assoc., 123 West 1st St., Suite C-70-37, Casper, WY 82601



MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration
(307) 777-7937

Air Quality Division
(307) 777-7391

Land Quality Division
(307) 777-7756
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781

August 20, 1990

Thomas O. Bibbey
Assistant Dean of Administrative Services
Northwest Community College
231 West Sixth Street
Powell, Wyoming 82435

RE: Northwest Community College Heatpump Injection
Permit Number UIC 83-003
Park County, Wyoming

Dear Mr. Bibbey:

Based on your letter of August 10, 1990, stating that this system no longer uses the above referenced injection well, this permit is hereby canceled. Introduction of any fluid into this well from this date forward will constitute a violation of the Environmental Quality Act.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "William L. Garland".

William L. Garland
Administrator
Water Quality Division

WLG/jt

xc: Jake Strohmman



THE STATE OF WYOMING



MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002

Administration
(307) 777-7937

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(307) 777-7391

Land Quality Division
(307) 777-7756
FAX (307) 634-0799

Solid Waste Management Program
(307) 777-7752

Water Quality Division
(307) 777-7781

July 30, 1990

David Reetz
Dean of Administrative Services
Northwest Community College
Powell, Wyoming 82435

RE: Northwest Community College Heatpump Injection
Permit Number UIC 83-003
Park County, Wyoming

Dear Mr. Reetz:

This department originally issued the above referenced injection well permit on May 16, 1983. The only reporting requirement on this permit is for an annual status update. Since that time, every annual report filed has be filed only after a written request from this department. As of this date, annual reports for 1988, 1989 and 1990 are not available. These reports are to be automatically filed by your organization. I would suggest that you erect a sign in the maintenance spaces where this system is located reminding those who operate it that these reports must be submitted. Please take steps to see that past due reports are submitted and that future reports are submitted on time.

Sincerely,

Robert Lucht, P.E.
UIC Program Supervisor
Water Quality Division

RL/jt

xc: Jake Strohman

DEPARTMENT OF ENVIRONMENTAL QUALITY

STATE OF WYOMING

GROUNDWATER POLLUTION CONTROL PERMIT
AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS
(Permit to Inject)

(X) New (Existing well and discharge)

Permit Number:

() Modified

GPC 83-3R
EPA UIC Class V

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through (iv), Laws 1973, Ch. 250, Section 1) and Water Quality Rules and Regulations Chapter IX (September 4, 1980),

Northwest Community College
P.O. Box 568
Powell, WY 82435

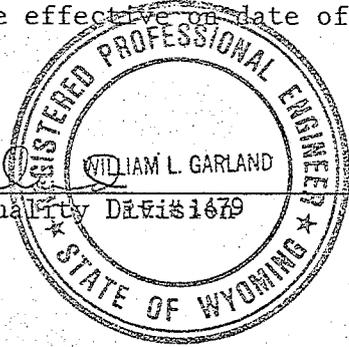
is authorized to operate

college library/greenhouse groundwater heat pump injection well in NE1/4 SE1/4 Section 10, T55N, R99W, Park County, as a miscellaneous discharge to groundwater

according to procedures and conditions of the application GPC83-3R and requirements and other conditions of this permit.

This permit shall become effective on date of issuance.

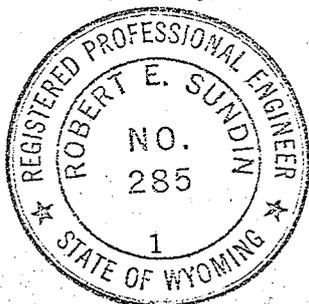
William L. Garland



Administrator - Water Quality Division
1111 East Lincolnway
Cheyenne, WY 82002
Phone: (307) 777-7781

5-16-83
Date

Robert E. Sundin



Director - Department of Environmental Quality
401 West 19th Street
Cheyenne, WY 82002

5/18/83
Date

A. Discharge (Injection) Zone and Area of Review

The discharge (injection) zone is the subsurface interval at 23-33 feet below the ground surface and as identified in the State Engineer's permit #U.W. 41692 for Well AD #1A.

The area of review is the circular area described as having its center in the vicinity of the subject injection well and a minimum radius of one-quarter mile. The only other wells within the area of review are wells installed and operated by the permittee to withdraw water for irrigation (lawn).

B. Groundwater Classification

Groundwater within the area of review is used only for lawn irrigation. A limited laboratory analysis indicates a TDS concentration of 650 mg/l. Under the state classification system, this water is determined to be suitable for agricultural use (Class II).

C. Authorized Operations

The permittee is authorized to reinject groundwater withdrawn for heat-pump use. Groundwater will be utilized in a completely enclosed system, and will be reinjected at the same level and interval from which it is withdrawn.

Permittee has reported that the discharge will vary, with a winter maximum of 125 gallons per minute and a minimum temperature of 46° F, and a summer maximum of 35 gallons per minute and a maximum temperature of 85° F.

No other use for or by the discharge (injection) well is authorized by this permit.

D. Proper Operation and Maintenance

The permittee is required to conduct the operation in accordance with statements, representations and procedures presented in the complete permit application and supporting documents, as accepted and approved by the Administrator.

The permittee is required at all times to properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve permit compliance. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training and adequate laboratory and process controls, including appropriate quality assurance procedures.

The subsurface discharge (injection) authorized by permit shall be consistent with the conditions and content of the permit; any modifications which will result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued.

E. Entry and Inspection

The permittee shall allow the Administrator, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the appropriate rules and regulations of the Department, any substances or parameters at any location.

F. Environmental Monitoring Program for Groundwaters of the State

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least three (3) years after closure of the facility.
3. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The name(s) of individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. Names of individuals who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
4. The prescribed program for this permitted activity is as follows:

None required by this permit

G. Requirements for Monitoring the Discharge

Discharge (injection) volume and/or pressure shall be controlled and monitored to prevent fracturing of confining strata.

Monitoring the discharge is not required by this permit.

The only periodic report of Section I required by this permit is an annual report. The annual report should be submitted within thirty (30) days following the anniversary date of the permit, and should indicate the status of the operation (active or otherwise), any major modifications to the injection well or operation made during the year, and any problems that may have developed and how they were resolved.

Note "Signatories Requirement" on pages 12 and 13 of this permit.

The permittee should keep relevant on-site operation records, for review by the permitting authority as may be necessary or required. The type(s) of records kept for this operation to be determined by the permittee.

H. Test Procedures

Test procedures for the determination of water quality parameters and constituents shall be in accord with provisions of Water Quality Rules and Regulations Chapter VIII, Section 7.

I. Records and Reports

1. The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the report or application.
2. The permittee shall give notice to the Administrator as soon as possible of any planned physical alterations or additions to the permitted facility.
3. The permittee shall give advance notice to the Administrator of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
4. Monitoring results shall be reported at intervals specified elsewhere in the permit.
5. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
6. The permittee shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time the permittee becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable Groundwater of the State.
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable Groundwaters of the State.

A written submission shall be provided within five (5) days of the time the permittee becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

7. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 6. above.
8. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Administrator, it shall promptly submit such facts or information.

9. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The Administrator may require the owner/operator to deliver the records to the Administrator at the conclusion of the retention period.
10. A subsurface discharge (injection) well may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, a Groundwater Pollution Control Permit has been issued by the Department for the proposed operation, and:
 - a. Well construction is complete and the permittee has submitted notice of completion of construction to the Administrator, and
 - b. The Administrator has inspected or otherwise reviewed the subsurface discharge (injection) well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the Administrator of intent to inspect or otherwise review the facility within thirteen (13) days of the notice of a. above, in which case prior inspection or review is waived, and
 - c. Well mechanical integrity testing has been proven or demonstrated to the satisfaction of the Administrator.
11. Annual reports shall be submitted to the Administrator within thirty (30) days following the anniversary date of the permit.
12. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the Administrator within thirty (30) days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

J. Permit Actions

After notice and opportunity for a hearing, a permit may be modified, suspended or revoked in whole or part during its term for cause which includes, but is not limited to, any of the following:

1. Violation of the permit;
2. Obtaining a permit by misrepresentation or failure of the discharge well or system.

Each permit is reviewed at least once every five (5) years, and may be reviewed more frequently.

A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit is issued.

A permit may be modified in whole or part in order to apply more, or less, stringent standards; or prohibitions for a toxic or other substance present in the permittee's discharge, as may be ordered by the Council.

This operation (permit) can be terminated by authority of the Administrator for one or more permit violations.

Public notice of the permit review and request for public comment will be made every ten (10) years by the Administrator.

Public notice prior to the issuance of this permit is not required.

Existing regulations do not require public notice of the permit review and request for public comment every ten (10) years, for this discharge.

K. Mechanical Integrity

Each discharge well and associated discharge facilities is required to have mechanical integrity which demonstrates the unimpaired condition of the well and facilities. The approved procedures for demonstrating the mechanical integrity for the well and facilities handling the discharge authorized by this permit consist of:

Not required for permit issuance for this discharge.

The operation (discharge) of any well or system will terminate immediately if mechanical integrity of the well or system fails and/or a leak or unauthorized fluid movement occurs. The discharge shall be discontinued until mechanical integrity has been restored and permission to continue the discharge has been obtained from the Administrator.

L. Abandonment

The permittee shall notify the Administrator at least 180 days before well abandonment. Immediately following the permanent cessation of subsurface discharge or related activity, or where a well has not been completed, the applicant/permittee shall notify the Director and follow the procedures prescribed by the Director for plugging and abandonment or the discontinuance of related activities:

The discharge (injection) well will cease operations when the operation of the associated heat pump is permanently discontinued. Abandonment of the injection well will conform to then-current State regulations and requirements.

M. Duties of the Permittee

It is a duty of the permittee to:

1. Comply with all permit conditions;
2. Halt or reduce activity -- it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the permit conditions;
3. Take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit;
4. Furnish to the Administrator within a reasonable time, any information which the Administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit; and furnish to the Administrator, upon request, copies of records required to be kept by this permit.

N. Financial Responsibility

The permittee is required to maintain financial responsibility and resources in form approved by the Director, to close, plug and abandon the discharge operation in a manner prescribed by the Director.

Certification of financial responsibility is waived.

O. Special measures the Director finds necessary:

None.

P. Special permit conditions:

Pollution or waste which migrates into an aquifer containing a usable groundwater of the State is a violation of the permit.

Mechanical integrity -- operations terminate immediately if mechanical integrity of well or system fails and/or a leak or unauthorized fluid movement occurs.

Q. Signatories Requirement

All reports required by this permit and other requested information shall be signed as follows:

For a corporation -- by a principal executive officer of at least the level of vice-president;

For a partnership or sole proprietorship -- by a general partner or the proprietor, respectively;

For a municipality, State, Federal or other public agency -- by either a principal executive officer or ranking elected official; or

By a duly authorized representative for any of the above. A person is a duly authorized representative only if:

1. The authorization is made in writing by one of the described principals;
2. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
3. The written authorization is submitted to the Administrator.

If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Administrator prior to or together with any reports or information, to be signed by an authorized representative.

Any person signing a report or other requested information shall make the following certification:

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

R. Noncompliance

Any permit noncompliance constitutes a violation of the permit.

The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification or planned changes or anticipated noncompliance, does not stay any permit condition.

S. Permit Transfer

The owner/operator of record (permittee) is always responsible for permit compliance. A permit holder cannot transfer his permit without approval of the Department Director.

T. Responsibilities

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.

U. Property Rights

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.

V. Severability

The provisions of this permit are severable, and if any provision of the permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.



Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

February 11, 1983

David R. Reetz
Dean of Administrative Services
Northwest Community College
Powell, Wyoming 82435

Re: GPC 83-3 (heat pump injection well)
Northwest Community College
Powell, Wyoming
Park County

David:

Construction and engineering details of the facility are not complete. I believe this is due to a misinterpretation . . . "facility" in this case is the injection well. Information that is needed should consist of construction details, i.e. surface casing diameter and length, cementing details, depth and setting interval of screen, etc. We are interested in details that will indicate that the injected water will stay in the appropriate formation. A drawing of the injection well's construction should be included.

I cannot determine what the zone of influence will be from the information provided. The receiving zone for the injected waters has permeability and transmissive properties (which your consultant should have) which will help determine the affected area. This area will have both horizontal and vertical dimensions. This information will help us evaluate the effects of temperature on the receiving waters.

It is not apparent to me where the water sample was taken that was used for the quality analysis. Please confirm the location and depth of sampling to establish relationship of the sample to the receiver.

Submittal of these items should complete your application. All of the other materials are satisfactory. Once these requested items are reviewed, I believe we will be able to issue your U.I.C. miscellaneous discharge permit.

David R. Reetz
Page 2
February 11, 1983

Your cooperation on these matters is appreciated. Should you have any questions, please contact me.

Sincerely,



Mic Brenoel
Groundwater Compliance Specialist

MB/kb

cc: A.J. Mancini
Wayne Barry
Frank LaBarge, Lander

Mike Decker Construction - Shop
S24, T47N, R93W
Washakie Co.

83-4

~~rec'd plans in Lander~~
SAME AS 81-862

~~1/5/83~~

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: Sweetwater Uranium Project - Mill Tailings Disposal Pond "E"

ENGINEER: Dames & Moore
250 E. Broadway
Salt Lake City, UT 84111

OWNER: Minerals Exploration Co.
P. O. Box 1500
Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: #83-5

REVIEWING ENGINEER: Albert J. ^{ajk}Berreth, Bill Ewen

DATE OF REVIEW: February 18, 1983

ACTION: Not authorized.

COMMENTS: Per our phone conversation, the following items need to be addressed:

1. The following list of parameters need to be added to the groundwater monitoring list of Table 4-1B of Volume 1:

Nickel
Cobalt
Iron
Manganese
Strontium

2. Please address the gas carrying capacity of the material below the liner. If a leak develops, how much of what kind of gases are expected?

3. What plugging procedures were employed for the observation wells (such as those used in the June 1978 Water Development Corporation Report) which underlie the proposed site?

4. The Battle Springs aquifer is a Class I water as defined by Chapter VIII, "Wyoming Water Quality Rules and Regulations." Protection of this aquifer is inadequate. Any leak in the pond liner must be detected before the aquifer is impacted or very soon thereafter. Should groundwater be impacted, a cleanup strategy must be available. Your response should include an analysis of the effects of a large leak (say 100 ft²) versus a small leak (say 1 ft²), both during the operational and post-operational phases of mining. Both short and long term effects on the aquifer should be addressed.

Review of Plans & Specifications

Sweetwater Uranium Project - Mill Tailings Disposal Pond "E"

February 18, 1983

Page Two

5. Three copies of the final construction drawings signed by your engineer need to be provided.

AJB:dcn

cc: DEQ/WQD, Cheyenne - Tony Mancini

DEQ/LQD, Lander

NRC, Harry Pettengill

File (6)



83-5R

WSE
file
ED. HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: Tony Mancini, Groundwater Control Supervisor
FROM: Bill Ewen, Groundwater Engineering Evaluator
DATE: September 7, 1983
SUBJECT: Comments on Union Mineral's Response to WQD Permit to Construct
Revision - Union Mineral's Application to Construct an Additional
Tailings Pond, Sweetwater Uranium Project.

I have reviewed Union's responses to our comments and have the following additional comments:

I am satisfied with the proposed groundwater monitoring program for the new tailings pond - namely 18 wells drilled into the saturated zone through the impoundment dike surrounding the pond.

Union's reply to the WQD question No. 3 is inadequate. According to Figure 1 of the 1978 report entitled "Groundwater Conditions in Vicinity of Site for Mine Tailings Ponds" by Halpenny, Greene, and Clark it appears that observation well DH-17 and possibly wells DH-1 and DH-2 all lie within the site of the proposed tailings pond. Union should provide a map showing the locations of these wells relative to the proposed tailings pond site. Then, if necessary, describe the plugging procedure utilized on these wells, including well DH-4 which underlies the present tailings pond site.

cc: Rick Engleman - LQD, Lander
Jack Bedessem - WQD, Green River
Lyle Randen - LQD, Cheyenne



Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 25, 1983

Mr. Bruce C. Edwards
Town Administrator
Town of Pinedale
Box 709
Pinedale, WY 82941

RE: #83-6, Pinedale Standard Specifications

Dear Mr. Edwards:

Enclosed is your copy of the town's standard specifications. Should you desire state authorization, I will need three modified copies and an application form.

Please direct your future correspondence to me as Mr. LaBarge has assumed responsibility in District 2 and is no longer involved with Pinedale.

Respectfully,

A handwritten signature in cursive script that reads "Albert J. Berreth".

Albert J. Berreth
Area III Supervisor

AJB:dcn

cc: Cheyenne DEQ/WQD
File (3)

of Pinedale

Box 709 41 South Franklin Ave. Pinedale, Wyoming 82941 Phone (307) 367-4504

February 10, 1983

Mr. Frank LaBarge
Water Quality Division
Department of Environmental Quality
Equality State Bank Building
411 W. 3th
Cody, WY 82001

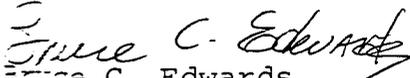


Dear Mr. LaBarge:

The Town of Pinedale has received the Lander office evaluation and recommendations on the town's minimum construction standards. As I indicated in my December 20, 1982 letter, your office has the town's only remaining copy of the standards. Could you please locate that copy and return it to the town.

Thank you for your time and evaluation of the minimum construction standards for the town.

Sincerely:


Bruce C. Edwards
Town Administrator

cc: Councilman Stevens

NORMA

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 31, 1983

Mr. Bruce C. Edwards, Town Administrator
Town of Pinedale
Box 709
Pinedale, Wyoming 82941

RE: Town of Pinedale's Minimum Construction
Standards, #83-6

Dear Mr. Edwards:

Before accepting the referenced standards as equal to or exceeding State requirements, the following items will need to be incorporated:

1. On page 2, the ABS truss pipe specification needs to refer to ASTM D-2680, which specifically addresses this pipe when used for sewage.
2. On page 3, the thickness of bituminous coating on ductile iron pipe needs to be specified. Also, an interior coating will be needed. The pipe should meet ASTM A-746.
3. On page 7, the length of sewerline allowed for main line cleanouts needs to be reduced from 300 feet to 150 feet.
4. On page 8, it is recommended that specific tolerances be given on grade and alignment.
5. On page 11, the thickness of bituminous coating needs to be specified.
6. On the standard detail of the drop manhole, the entire drop needs to be encased in concrete.

Should you have questions on the preceding, please contact me.

Respectfully,

Albert J. Berreth

Albert J. Berreth
Area III Supervisor

AJB:dcn

cc: Cheyenne DEQ/WQD
File (2)

C

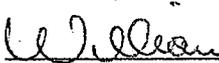
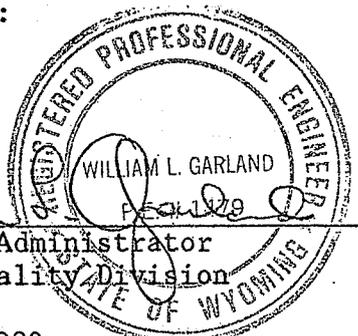
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

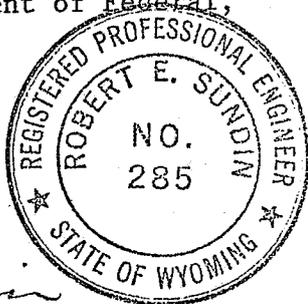
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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



Director
Dept. of Environmental Quality

February 15, 1983

Date of Issuance

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

FL:dcn

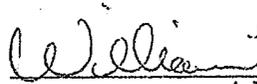
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

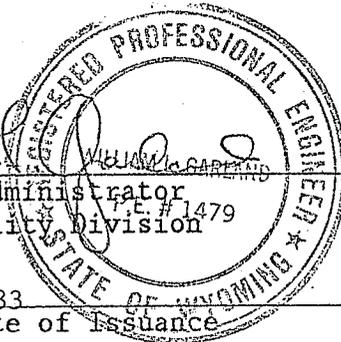
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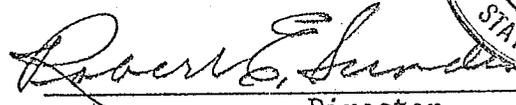
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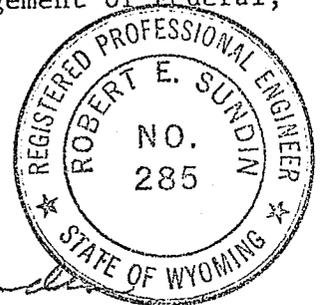
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division
P.E. # 1479




Director
Dept. of Environmental Quality


January 26, 1983

Date of Issuance

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

CONDITION

The permittee shall not allow any service lines to be connected to the stubout main line sewer without first constructing a manhole or installing a cleanout.

AJB:dcn

PERMIT TO CONSTRUCT

New

Permit No. 83-9

Renewal

Modified

East Lincolnway Sanitary Sewer Main
(Name of Facility)

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

City of Cheyenne

2101 O'Neil Avenue

Cheyenne, WY 82001

to construct, install, or modify a sanitary sewer main facility according to the procedures and conditions of the application No. 83-9. The facility is located in Section 34, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

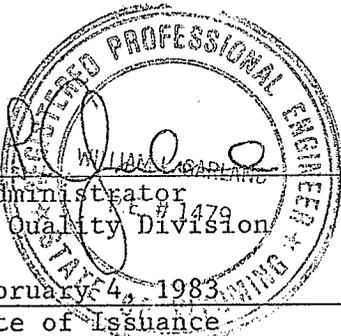
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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

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

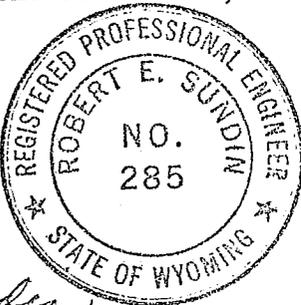
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


William W. [unclear]

Administrator
Water Quality Division
February 4, 1983

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: Jim Voeller
AVI Engineering
7300 Yellowstone Rd.
Cheyenne, WY 82009

1-21-83



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 19, 1983

Reverend Robert Richards
6614 N. College Drive
Cheyenne, WY 82001

RE: Proposed conversion of house to church use, DEQ/WQD Ref. No. 83-10

Dear Reverend Richards:

The as-built plans of the subsurface sewage disposal system serving a single family house at 4014 Welchester have been received.

I have reviewed the plans to determine the acceptability of the system if the building were converted to a church. Based on the maximum proposed population of 50 persons, the sewage system should function satisfactorily. Therefore, we are accepting the sewage system as being in compliance with the Water Quality Division's rules and regulations for the proposed church.

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

Very truly yours,

Theodore D. Coyer

Theodore D. Coyer, P.E.
Environmental Engineer

TDC/nc

cc: James D. Voeller
AVI Engineering
7300 Yellowstone Rd.
Cheyenne, WY 82009

Review of Plans and Specifications

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

PROJECT: Curt Gowdy State Park Waterless Restrooms

ARCHITECT OR ENGINEER: Mike Gust, Gust & Johnston
520 Randall Ave., Cheyenne, WY 82001

APPLICANT: Griffith, Barber, Pouppirt & Assoc.
1800 Westland Rd., Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 83-11

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

DATE OF REVIEW: January 17, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Chemical toilet wastes shall be disposed of at an approved wastewater facility. Please designate those proposed dumping facilities along with a letter from the receiving agency denoting acceptance of the wastewater generated.

PERMIT TO CONSTRUCT

Permit No. 83-11R

- New
- Renewal
- Modified

Curt Gowdy State Park Restroom Facilities
(Name of Facility)

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

Wyoming Recreation Commission

1920 Thomes

Cheyenne, WY 82002

to construct, install, or modify a waterless public restroom facility according to the procedures and conditions of the application No. 83-11R. The facility is located in Crystal Lake, Section 26, T14N, R70W and Granite Lake, Section 21, T14N, R70W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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.

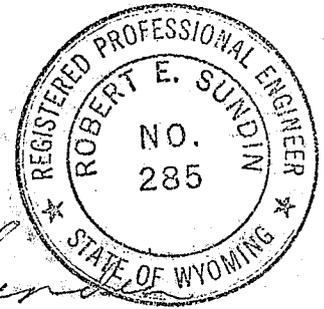
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


William I. Garland

Administrator
Water Quality Division
STATE OF WYOMING
March 8, 1983

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: Mike Gust
Gust & Johnston
520 Randall Avenue
Cheyenne, WY 82001

PERMIT TO CONSTRUCT

Permit No. 83-12R

- New
- Renewal
- Modified

Guernsey State Park Restroom Facilities
(Name of Facility)

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

Wyoming Recreation Commission

1920 Thomes

Cheyenne, WY 82002

to construct, install, or modify a waterless public restroom facility according to the procedures and conditions of the application No. 83-12R. The facility is located in Red Cloud Area, Section 22, T27N, R66W and Skyline Area, Section 28, T27N, R66W in the County of Goshen, 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: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

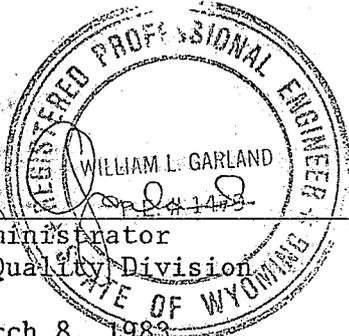
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:



Adminis'trator
Water Quality Division
STATE OF WYOMING

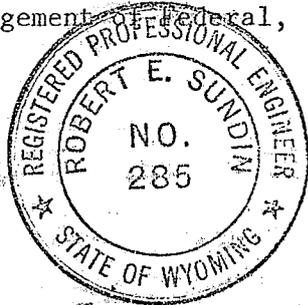


March 8, 1983

Date of Issuance



Director
Dept. of Environmental Quality



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

cc: Mike Gust
Gust & Johnston
520 Randall Avenue
Cheyenne, WY 82001

1-18-83

Review of Plans and Specifications

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

PROJECT: Guernsey State Park Waterless Restrooms, Goshen Co.

ARCHITECT OR ENGINEER: Mike Gust, Gust & Johnston
520 Randall Ave., Cheyenne, WY 82001

APPLICANT: Griffith, Barber, Pouppirt & Assoc.
1800 Westland Rd., Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 83-12

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

DATE OF REVIEW: January 17, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Chemical toilet wastes shall be disposed of at an approved wastewater facility. Please designate those proposed dumping facilities along with a letter from the receiving agency denoting acceptance of the wastewater generated.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-13RR
SEE SPECIAL CONDITION

Oregon Trail State Veterans' Cemetery - Residence and Equipment Bldg.
(Name of Facility)

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

Wyoming Veterans' Affairs Commission

2207 Sheridan Ave.

Laramie, WY 82070

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 83-13RR. The facility is located in Section 36, T34N, R79W 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.

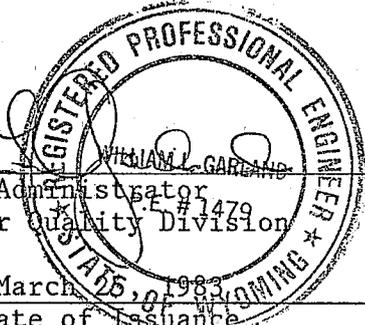
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

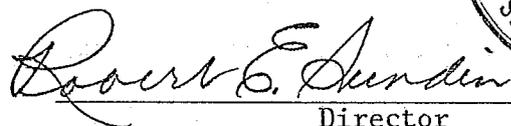
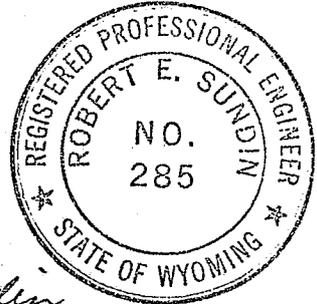
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

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
March 15, 1983
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 to Permit to Construct

1. 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.
2. The permittee shall notify representatives of the Natrona County Health Department of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address: Nix Anderson, Natrona County Health Department, 1200 East 3rd, Casper, WY 82601-2990

cc: Nix Anderson, Natrona Co. Health Dept., 1200 E. 3rd, Casper, WY 82601-2990
Donald R. Lamb, Associated Engineers, Rt. 2, Box 45, Hwy. 30, Laramie, WY 82070

4-1-83

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 83-14RR
SEE SPECIAL CONDITION

Oregon Trail State Veterans' Cemetery - Chapel
(Name of Facility)

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

Wyoming Veterans' Affairs Commission

2207 Sheridan Ave.

Laramie, WY 82070

to construct, install, or modify a subsurface sewage disposal facility according to the procedures and conditions of the application No. 83-14RR. The facility is located in Section 36, T34N, R79W 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.

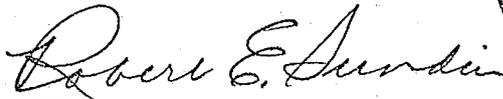
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1111 East Lincolnway, Cheyenne, Wyoming 82002; telephone, 777-7781.

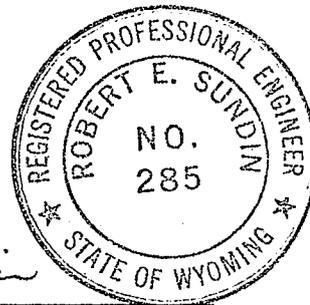
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
STATE OF WYOMING
March 25, 1983
Date of issuance


Director
Dept. of Environmental Quality



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

Conditions to Permit to Construct

1. 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.
2. The permittee shall notify representatives of the Natrona County Health Department of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address: Nix Anderson, Natrona County Health Department, 1200 East 3rd, Casper, WY 82601-2990

cc: Nix Anderson, Natrona Co. Health Dept., 1200 E. 3rd, Casper, WY 82601-2990
Donald R. Lamb, Associated Engineers, Rt. 2, Box 45, Hwy. 30, Laramie, WY 82070

3-10-83

Review of Plans and Specifications

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

PROJECT: Oregon Trail State Veterans' Cemetery, Natrona Co.

ARCHITECT OR ENGINEER: Associated Engineers
RFD No. 2 Box 45 Hwy. 30, Laramie, WY 82070

APPLICANT: Betty Hemphill, WY Veterans' Affairs Commission
2207 Sheridan Ave., Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 83-13R and 83-14R

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

Theodore D. Coyer

DATE OF REVIEW: March 8, 1983

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The depth of the seasonally high groundwater level must be indicated for both systems.
2. Straw, filter cloth or other permeable barrier must be placed over the soil absorption system stone.

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: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 210 Lincoln, Lander, Wyoming 82520; telephone, 332-3144.

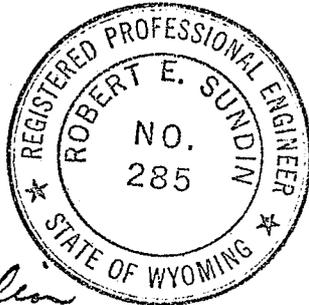
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
Water Quality Division
June 15, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

AJB:crb



Department of Environmental Quality

Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 26, 1983

Mr. Gilbert Larson
Rocky Mountain Engineering
and Surveying, Inc.
P. O. Box 805
Evanston, WY 82930

RE: #83-15, Big "K" Corp.

Dear Mr. Larson:

Apparently there is some confusion concerning what is required and why it is required for the referenced permit application.

As I indicated in my April 1 letter to Mr. Kessler, we had just learned of the problem with the brine mix tank overflowing. Since it would not be appropriate for me to say the as-built on-site facilities are adequate and in the same letter say they are not and require modification, I cannot write two authorizations for this project as you requested.

In order to obtain a permit and as-built authorization, the following items need to be submitted:

1. Revised construction drawings--Show any modifications made to date, such as the outfall line having been removed. Also, detail the edging placed on the concrete slab. In addition, show the proposed modification to the brine mix tank.
2. Construction schedule--State when the modifications are to be started and finished. For example, we plan to start the new catch gutter on May 16 and have it in service by May 20.

Another point which may not be clear is the status and function of the spill containment wall around the perimeter of the property. We agree that the wall, when completed, will be a valuable and useful addition and that it will prevent a serious leak from directly entering the river. However, this does not give Mr. Kessler or any one the right to indiscriminately spill pollutants within its boundary. Polluting by a less visible underground route is just as serious an offense as by the

Mr. Gilbert Larson
April 26, 1983
Page Two

direct discharge of pollutants to the river. It should also be noted the City has a water supply well just south of the industrial park.

If you lack the appropriate authorization from Mr. Kessler in submitting the requested information, please inform us.

Should you have further questions, please call.

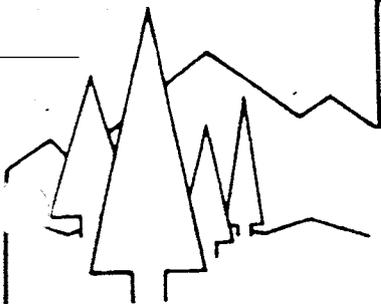
Respectfully,



Albert J. Berreth
Area III Supervisor

AJB:dcn

cc: Cheyenne DEQ/WQD ✓
Marion Yoder
Mr. Greg Kessler
Wayne Shepherd
File (4)



Rocky Mountain Engineering & Surveying, Inc.
P.O. Box 805
Evanston, Wyoming 82930
(307) 789-9751

March 22, 1983

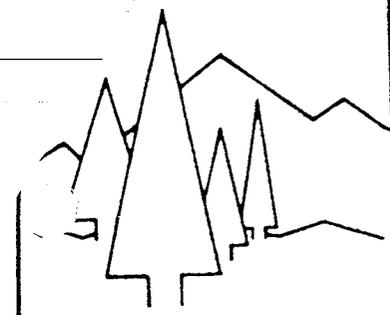
Albert Berreth
Department of Environmental Quality
210 Lincoln Street
Lander, Wyoming



Dear Al:

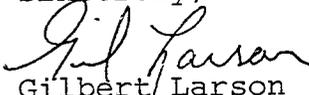
As promised, here is an up-date on Big "K" and their lot improvements. I have visited the site as well as talked with Craig Prete of Big "K" who is in charge of the modifications. I will be referencing your letter of January 24, 1983, file number 83-15.

1. Craig Prete has checked the records on frequency of pumping and hauling from the separation tank. He found that during winter months the capacity in days is approximately 14 days. It is estimated that spring conditions would reach 5 days capacity at the minimum. The fluid is being pumped into a truck, then hauled to the Sim's Drilling Fluid Reserve Pond. The discharge line from the tank has been disrupted and is no longer in use. Construction is planned for the removal of the valve and grouting of the discharge hole and inlet hole to the catch basin.
2. I made a personal inspection of the concrete slab. I was informed that the thickness is 12 inches. The slab has a mild slope to the west and collects into the valley gutter. Although it was wet and melting during my inspection, I found no ponding on the slab and no areas that did not drain toward the valley gutter. A berm existed around nearly the entire perimeter of the slab since original construction. The remaining 15 feet (approximately) has been added recently to complete the berm. Negotiations on a contract for modifying the valley gutter into a collection system with a grate are nearly complete and will proceed when spring breaks.

- 
3. The concrete vault is a sealed tank with no outlet. The size is 30 feet square. Salts and water are combined in the tank. Salt is dumped into water and allowed to stand until the water is saturated. No mechanical mixing is used. The saturated water is then drawn off by pump and stored in the upright cylindrical tanks on the sight. A four foot by fifteen foot concrete tank exists at the north end of the shops. It is intended to serve the shop bays only. This tank discharges into the city's sanitary sewer system and is permitted by the city.
 4. The site is generally in an improved state. During this visit I noticed the site was not spotted by debris and empty chemical bags as before the trial.

This generally summarized the current status of the clean-up effort.

Sincerely,


Gilbert Larson

cc: Craig Prete
Wayne Shepherd

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: Big "K" Corp.

ENGINEER: Rocky Mt. Eng.
P. O. Box 805
Evanston, WY 82930

OWNER: Big "K" Corp.
c/o P. O. Box 805
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 83-15

REVIEWING ENGINEER: Al Berreth *abt*

DATE OF REVIEW: January 24, 1983

ACTION: Not authorized.

COMMENTS: Prior to the issuance of a permit, the following items need to be addressed.

1. The capacity of the concrete separation tank in terms of days of operation needs to be identified. Also, the method and place of disposal need to be identified.
2. Details of the concrete slab should be provided. Thickness and general direction of slope should be identified. It is recommended that a low ridge be placed along the perimeter of the concrete slab.
3. Please describe the concrete vault and any other below ground facilities. What portion of this system is connected to city sewer?
4. The permittee will be held responsible for groundwater contamination if caused by the facilities. Care does need to be taken when storing potentially hazardous material. Should a spill or leakage occur, it needs to be immediately reported to Mr. LeRoy Feusner, telephone 307/777-7781 (24 hrs.).

AJB:dcn

cc: Marion Yoder
Cheyenne DEQ/WQD
File (4)

PERMIT TRANSFER REQUEST

DATE: 4-18-94

Water Quality Division
Department of Environmental Quality
122 West 25th Street
Herschler Building
Cheyenne, Wyoming 82002

RECEIVED

APR 20 1994

WATER QUALITY DIVISION
WYOMING

To Whom It Concerns:

(Original Owner) SKinner's Resources + Exploration intends to transfer ownership of the facility associated with Permit Number 83-16 to (New Owner) Osage Hot Oil Co., Inc on (Date) 4-18-94. It is requested that the said permit be transferred to the new owner in accordance with Section 10 (c) and (d) of Chapter III, Wyoming Water Quality Rules and Regulations. The new owner agrees to accept and be bound by the provisions of the permit and any amendments, agrees to construct and operate the facility in accordance with the approved permit and agrees to accept responsibility for the facility's compliance with applicable standards and permit conditions, including the responsibility to perform any necessary corrective actions.

The original owner shall retain responsibility for the facility according to the terms of the original permit until the application for permit transfer is approved by the Administrator.

Please transfer the permit to the transferee's name and issue a modified permit reflecting the transfer of ownership. Terms and conditions of the original permit are transferred to and become the responsibility of the new owner.

Leo Skinner
Signature Original Owner
Name SKinner's Resources
Address P.O. Box 306
Newcastle, Wyo
82701
Telephone 307-746-4583

Rich L. Freed
Signature New Owner
Name Osage Hot Oil Co., Inc
Address P.O. Box 306
Newcastle, Wyo
82701
Telephone 307-746-2995



Memo
83-16R
Return to
Shendler
6-17-83

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: Rich Ruyle
FROM: R.J. Lennox *RL*
DATE: June 16, 1983
SUBJECT: Skinner Service Company Notice of Violation dated February 14, 1983; 83-16R

- 1) A review of the geotechnical exploration and analysis for Skinner's Waste Disposal Site dated May, 1983 indicates the following:
 - a. Local groundwater meets criteria for Class III designation in accordance with Water Quality Rules and Regulations Chapter VIII; Quality Standards for Wyoming Groundwaters.
 - b. Wastewater in pond exceeds Class I, II and III quality standards for TDS, Sodium, Chloride, Oil and Grease, Phenols and Barium (Class I) and therefore should not be allowed to leach into the local groundwater regime.
 - c. The three sample tube permeability tests do not meet the requirements for a coefficient of permeability of 1×10^{-7} cm/sec i.e.
 - Tube #1 was 91.8×10^{-7} cm/sec
 - Tube #2 was 14.5×10^{-7} cm/sec
 - Tube #3 was 8.21×10^{-7} cm/sec
- 2) Based on the information stated above it is recommended that any permit issued for the Skinner's Waste Disposal Site contain a disclaimer, indicating that while continued use of the facility is being allowed Skinner's Service Company remains responsible for any contamination of nearby wells or groundwaters of the State.

cc: A.J. Mancini
File

83-16R



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

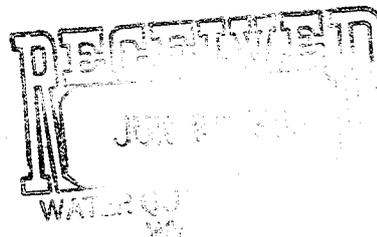
2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

June 24, 1983

Mr. Mike Skinner
Skinner's Service Co.
P.O. Box 306
Newcastle, Wyoming 82701



Dear Mr. Skinner:

Our groundwater section in Cheyenne has completed a review of your submittal of May 13, 1983 from Hoskins-Western-Sonderregger, Inc., regarding your waste disposal pit west of Newcastle. The pit, as built, has been found to be acceptable for the disposal of produced water from oil and gas wells. Because the pit is already built, a permit to construct will not be issued. This letter will serve as notice that the pit has been approved by our agency.

You should be fully aware that the pit has been approved for disposal of produced water only. Disposal of drilling fluids, solvents, solid waste, hazardous waste, and so on is prohibited. Such disposal is a violation of state law and appropriate enforcement action would ensue. If disposal of drilling fluids is desired, the pit would have to be further upgraded. You can contact me for those details.

You should also be aware that this letter of approval does not release you from liability concerning contamination of groundwater at the site. While we have determined from the data submitted that the pond construction is probably adequate for protection of groundwater, if for any reason the disposal pit does cause groundwater contamination, particularly of the wells in the area, then you will be held responsible for the contamination and any corrective action that is necessary.

Thank you for your time. Please call me with any questions.

Sincerely,

Rich Ruyle
Environmental Engineer

RR:ls

xc: LeRoy Feusner
Dick Lennox
Tony Mancini
Jake Strohmman

Water Quality Division
Groundwater Section
Permit Application Review

Norma
Returned to
Sheridan

Application Number 83-16

Date Submitted For Review 1-24-83

Name and Location of Facility Skinner's Service Co. Disposal Pit
Sec 5 T 42 R 67
Weston Co.

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

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

Comments attached.

Signed *Robert L. ...*
Title Eng. Eval
Date 2-1-83

Approved 2/2/83
(Date)

AJ m
(Signed)
Groundwater Control Supervisor



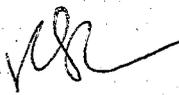
Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

TO: Rich Ruyle
FROM: Dick Lennox 
DATE: February 2, 1983
SUBJECT: Skinner Disposal Pit

As discussed in our telephone conversation earlier today, a review of the material presented concerning the Skinner Disposal Pits ended with a discussion between Jake, Tony, and myself. At the conclusion of this discussion, Jake determined from the facts presented that we should go forth with a Notice of Violation as follows:

In the Notice of Violation, we should present three options:

- A) Give Skinner 60 days to provide us the engineering and hydrogeological data necessary to pass judgement on the construction of the pond (lagoon); primarily a better answer to your September 20, 1982, letter item number 4. Include in this option that if a response is not received within the 60 days, the Notice of Violation automatically reverts to a cease and desist order. Indicate that on receipt of Skinner's response we will allow 10 days for a completeness review and if the response is not complete, the Notice of Violation will again revert to a cease and desist order with appropriate clean-up procedures.
- B) Skinner can opt to clean out the existing lagoon (pond) and install a 3 foot soil liner meeting permeability requirements of 10^{-7} cm/sec; this option would entail the proper disposal of pond contents and contaminated soils.
- C) Skinner can opt to just clean it up now and dispose of material in an approved fashion. Since we don't know what's actually in the pond, it would be a good idea to also have Skinner verify that only produced water is in pond and not oil wastes, drilling muds or other such products. The area of the pond then has to be reclaimed and discontinued for use as a product dump site.

PERMIT TO CONSTRUCT

New

Permit No. 83-17

Renewal

Modified

Debilyn Estates
(Name of Facility)

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

City of Cheyenne

2101 O'Neil Avenue

Cheyenne, WY 82001

to construct, install, or modify a municipal wastewater collection facility according to the procedures and conditions of the application No. 83-17. The facility is located in Section 26, T14N, R66W in the County of Laramie, in the State of Wyoming.

This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

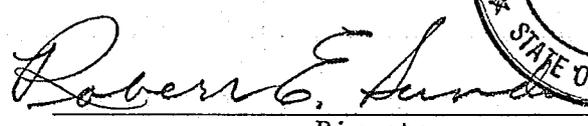
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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

AUTHORIZED BY:



WILLIAM L. GARLAND
Administrator
Water Quality Division
STATE OF WYOMING
January 17, 1983
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.

cc: Peter J. Hutchison
1902 Thomes Ave.
Cheyenne, WY 82001

2-7-83

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

January 26, 1983

Chester Culley
Burlington Northern Railroad
1405 Curtis, 19th Floor
Denver, CO 80202

RE: Permit to Modify Application, Ref. No. 83-18

Dear Mr. Culley:

The DEQ/WQD has reviewed your application (No. 83-18) for a permit to modify your wastewater collection system for the yard office in Guernsey. The WQD has determined that the system meets the minimum standards contingent upon Burlington Northern Railroad submitting to DEQ/WQD, 1111 East Lincolnway, Cheyenne, WY 82002 (c/o Tom Norman) on a semi annual basis a record of the types of product, the amounts, and dates of when liquid is collected from the sumps.

Since a permit to modify cannot be issued for facilities that are already constructed, this letter will serve as authorization for your system. It is recommended that any further construction, installation, or modification to your wastewater system be permitted prior to construction to avoid violating State Statutes and possible legal action.

Sincerely,

William L. Garland
Administrator

WLG/TSN/nc

cc: Thomas S. Norman, DEQ/WQD
Charles Haas, Wells Engineering, Inc., 1415 11th st., Gering, NE 69341

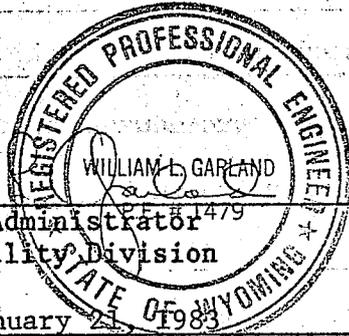
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

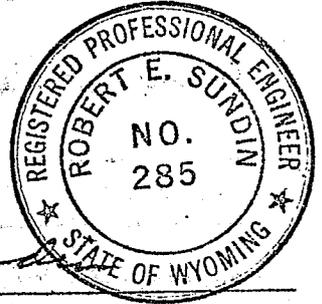
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



W. L. Garland

Administrator
Water Quality Division



Robert E. Sundin

Director
Dept. of Environmental Quality

January 21, 1983
Date of Issuance

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

CONDITION

The permittee shall notify Bill Flaherty, Campbell County Engineer's Office, of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address: Campbell County Engineer's Office, 500 South Gillette Avenue, Gillette, Wyoming, 82716.

xc: Mike McDill
McDill Engineering
400 W. Boxelder Rd.
Gillette, WY 82716

Campbell County Engineer's Office
500 S. Gillette Avenue
Gillette, WY 82716

83-19



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING, 82801

TELEPHONE 307-672-6457

January 24, 1983

Ms. Carol L. Underberg
Plains Engineering
P.O. Box 727
Newcastle, Wyoming 82701

Dear Ms. Underberg:

I have reviewed the materials submitted regarding the proposed Upton Well No. 6, and discussed them with Mr. Jim Fletcher. At the present time, the Water Quality Division need not issue any Permit to Construct for the project, since final design of the pump, surface facilities and Public Water Supply connection has not been determined and will not be determined until the well is completed.

However, I have reviewed the well specifications and this Division has no objection to the drilling, logging, casing, cementing, development and testing of the well as described in those specifications. By copy of this letter, I am so notifying the State Farm Loan Board. We will suspend further activity on this matter until the other facilities as described above have been designed and submitted for review. Thank you for your cooperation.

Yours truly,

Tom Mueller
District Supervisor

TM:ls

xc: Norma Coulson
Don Collamore, Dept. of Public Lands
Mike Hackett
Jake Strohmman

Norma

83-20



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

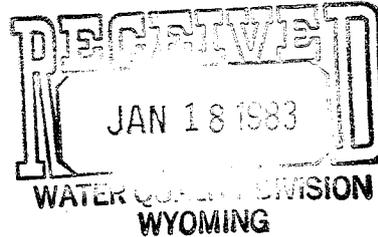
2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING, 82801

TELEPHONE 307-672-6457

January 17, 1983

Mr. Carol L. Underberg
Plains Engineering
P.O. Box 727
Newcastle, Wyoming 82701



Dear Ms. Underberg:

We have received information on the Upton Water Well No. 6. In order for us to process this information as an application for a Permit to Construct it will be necessary for you to complete an application form. Also, we require three copies of all submittals. Would you be so kind as to forward two more copies of your submittal along with the application?

Thank you very much.

Sincerely,

Lea Stoneburner
Administrative Assistant

ls

Enclosures

*Department of Environmental Quality**Water Quality Division*

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

NOV 16 1983

November 10, 1983

WATER QUALITY DIVISION
WYOMING

Buell Winter Mousel & Associates
123 West 1st Street
Suite C70-37
Casper, WY 82601

Attention: Dick Prosser

RE: Lucerne Water System Improvements
#83-21RRR

Dear Mr. Prosser:

On November 4, 1983 I stopped by the Lucerne Water System Improvements construction site to conduct a routine inspection of the project.

I met with Philip Stuckert, the Buell Winter Mousel & Associates representative who is acting as the site engineer.

During my inspection, I noted a couple of deviations from the construction procedures in the authorized project specifications. These were observed during placement and backfilling of a section of the 6" PVC water line in Sunnyside Lane.

The first deviation from the specifications was Section 02221/3.02.3.1, the compaction of trench backfill. The specifications require that first backfill be placed and compacted under the pipe haunches. Then, for a depth of 2 feet above the pipe, the backfill is to be placed in 6 inch lifts.

I witnessed the backfill being placed by hand around and above the pipe for a few inches. There was no compaction at all. Then the rest of the trench was back-filled by machine.

Even if the soil above the pipe can be compacted later on in the project, the soil under and around the pipe haunches will not be properly compacted. Furthermore, the backfill method is in total disregard of the specifications.

Another construction practice that concerned me was the method used to join the pipes. The joining was done in a trench box. The new section of pipe was slid

Buell Winter Mousel & Associates
November 10, 1983
Page Two

down a ramp to the pipe already in place. Then a man hooks onto the pipe and guides the pipe into the bell end of the pipe already in place. The backhoe bucket is used to push the new pipe into place.

This jointing procedure concerns me since it's difficult to insure proper alignment of the pipes from the top of the trench. Furthermore, there are many opportunities for the lubricant used in joining to get contaminated with dirt and grit.

Does this joining procedure concern you as well?

Please respond to my concerns and let me know if you feel that the project integrity may or may not be effected by the construction methods I observed during my inspection.

Thank you for your assistance.

Respectfully,



Jeff Hermansky
Water Quality Evaluator
Northwest District

JH:dcn

cc: Plans #83-21RRR
Philip Stuckert
Michael Ormsby, FmHA
Jake Strohmman, DEQ/WQD Cheyenne
Lucerne Water and Sewer District

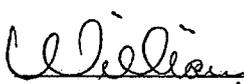
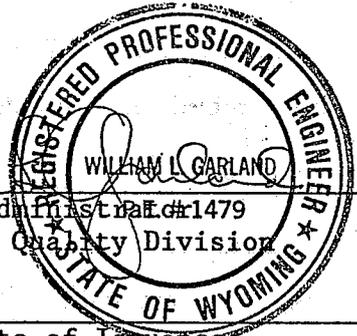
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

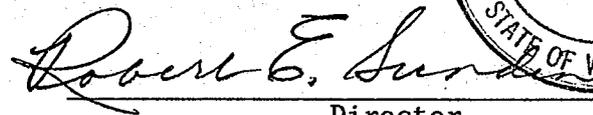
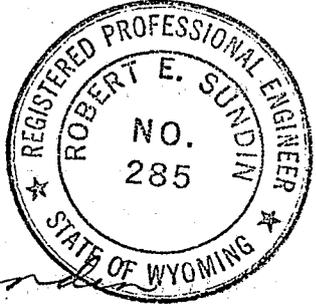
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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
Administrative #1479
Water Quality Division
STATE OF WYOMING



ROBERT E. SUNDIN
NO. 285
STATE OF WYOMING

Director
Dept. of Environmental Quality

April 7, 1983

Date of Issuance

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

* CONDITIONS ON PERMIT *

This permit is authorized with the following conditions:

1. Shop drawings of the water storage tank be submitted to this office for review and letter of authorization prior to construction of the tank.
2. Water samples must be taken from representative locations in the distribution system and tested for residual chlorine. If the residual chlorine levels are found to be less than 0.2 ppm, adjustments must be made with the Town of Thermopolis chlorination rate, or a remote chlorinator installed in the Lucerne water distribution main. A remote chlorination station must be permitted by this office prior to construction.

JCH:dcn
(4/7/83)

LUCERNE WATER & SEWER DISTRICT
RURAL WATER LINE

The Rural Water Line will extend through or into the following areas:

Section	Township	Range	County
-	-	-	Hot Springs State Park Hot Springs County
25	43 N.	95 W.	"
24	43 N.	95 W.	"
19	43 N.	94 W.	"
18	43 N.	94 W.	"
17	43 N.	94 W.	"
8	43 N.	94 W.	"
7	43 N.	94 W.	"
12	43 N.	95 W.	"
5	43 N.	94 W.	"
6	43 N.	94 W.	"
32	44 N.	94 W.	"
31	44 N.	94 W.	"
29	44 N.	94 W.	"
30	44 N.	94 W.	"
20	44 N.	94 W.	"
19	44 N.	94 W.	"

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

May 10, 1983

Buell Winter Mousel & Assoc.
123 West 1st Street
Suite C70-37
Casper, Wyoming 82601

RE: Lucerne Rural Water System
Permit No. 83-21RRR

Dear Philip:

The enclosed Addendum No. 1 and No. 2 have been authorized as part of the permit to construct, Department of Environmental Quality Permit No. 83-21RRR.

Please note these addendums supersede the sections previously permitted.

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

Respectfully,

A handwritten signature in cursive script that reads "Jeff C. Hermansky".

Jeff C. Hermansky
Water Quality Evaluator
Northwest District

JCH:dcn

Enclosure

cc: Lucerne Water and Sewer District
Michael F. Ormsby, FmHA

Norma

THE STATE OF WYOMING



ED HERSCHLER
GOVERNOR

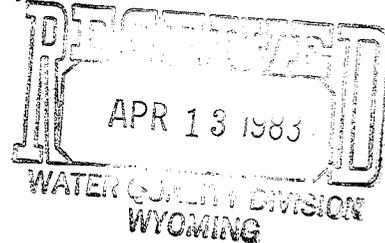
Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 8, 1983



EPA, Drinking Water Branch
1860 Lincoln Street
Denver, Colorado 80203

Attention: Felix Flechas

Dear Felix:

I have recently granted a "Permit to Construct", DEQ No. 83-21RRR, to the Lucerne Water and Sewer District. The District has an agreement with the Town of Thermopolis for the Town to sell treated water to the District.

This Permit has been granted with the following condition:

"Water samples must be taken from representative locations in the distribution system and tested for residual chlorine. If the residual chlorine levels are found to be less than 0.2 ppm, adjustments must be made with the Town of Thermopolis chlorination rate, or a remote chlorinator installed in the Lucerne water distribution main. A remote chlorination station must be permitted by this office prior to construction."

I believe we should keep in contact with each other and the Lucerne Water and Sewer District, to establish a residual chlorine testing program. The address of the Lucerne Water and Sewer District is Lucerne Rt., Box 72, Thermopolis, WY 82443.

Please notify me of your feelings and requirements regarding this matter.

Respectfully,

Jeff C. Hermansky
Jeff C. Hermansky
Water Quality Evaluator
Northwest District

JCH:dcn

cc: Jake Strohman, DEQ/WQD--Cheyenne
Town of Thermopolis
Lucerne Water and Sewer District
Philip Stuckert, Buell Winter Mousel and Assoc.
Michael F. Ormsby, FmHA

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: Water System Improvement - Lucerne Water and Sewer District

ENGINEER: Buell, Winter, Mousel and Associates
123 West First Street
Casper, WY 82601

OWNER: Mr. Norris Odde, Chairman
Lucerne Water and Sewer District
P. O. Box 72
Thermopolis, WY 82442

WATER QUALITY DIVISION REFERENCE NUMBER: #83-21R

REVIEWING EVALUATOR: Jeff C. Hermansky



DATE OF REVIEW: March 23, 1983

ACTION: Not authorized.

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

1. The plans must show the size, type and station of all appurtenances, bends and crossings. Show the locations of all thrust blocks and the size necessary for each condition.
2. Please submit design calculations to show the system can deliver 20 psi under all conditions of flow. Include the design criteria, i.e. the number of people to be served now and in the future and "worst condition" in the system.
3. We have not yet received a letter from the Thermopolis Town Engineer verifying that the town can deliver 20 psi pressure and adequate volume to the Lucerne Water System under all conditions of flow.
4. Your response to questions 12 and 13 of my January 24, 1983 review have been addressed by you. However, the specific design, construction details, and specs will need to be authorized after a contractor has been selected.

When a Permit is issued for this project, it will have the condition that the information regarding the water storage tank be submitted to this office for review. A letter of authorization can be issued if the information meets the standards.

5. I believe the possibility of water tight vaults for the air and air/vacuum valves should be addressed.

JCH:dcn

cc: Michael F. Ormsby, Farmers Home Administration



REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: Water System Improvement - Lucerne Water and Sewer District

ENGINEER: Buell, Winter, Mousel and Associates
123 West First St.
Casper, WY 82601

OWNER: Mr. Norris Odde, Chairman
Lucerne Water and Sewer District
P. O. Box 72
Thermopolis, Wyoming 82442

WATER QUALITY DIVISION REFERENCE NUMBER: 83-21

REVIEWING EVALUATOR: Jeff C. Hermansky



DATE OF REVIEW: January 24, 1983

ACTION: **Not authorized.**

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

1. An Application Form (enclosed) needs to be completed and signed.
2. Please specify thickness of polyethylene wrap to be used for cathodic protection of metal pipe.
3. If the annular space between the pipe and casing used for highway and stream under-crossings is to be filled with fine sand, I would suggest using sand blasting equipment. I do not feel there is an effective method for ramming the sand into place.
4. The last page of the specifications is not legible. Please type this page as well as all the other headwritten corrections shown in the specifications.
5. Skids to be used for carrier pipe installations need to be installed on the full circumference of the pipe. Please show this on a construction detail.
6. Profile drawings of the entire pipeline are needed. Include all appurtenances.
7. The plan view of the pipeline must show the size, type and station of all appurtenances, bends, and crossings. Show the locations of all thrust blocks and the size necessary for each condition.
3. Design calculations must be submitted to show the system can deliver 20 psi under all conditions of flow. Please include number of people to be served now and in the future, fire flow requirements, and demand caused by subdivision.

Review of Plans and Specifications

Water System Improvement - Lucerne Water and Sewer District, #83-21

January 24, 1983

Page Two

9. A letter from the Town of Thermopolis, showing the town can supply 20 psi pressure and volume adequate to meet all flow requirements, must be submitted.
10. Please include the letter of agreement, between Thermopolis and the Lucerne Water and Sewer District, for the water to be furnished.
11. Have you looked into the possibility of there being "hot" soils in the Scotch Plunge/Red Lane areas, due to geothermal activity? Too hot a soil could be a consideration in pipe selection for such areas.
12. Please show that the coating proposed for the inside of the storage tank meets AWWA standards for potable water storage.
13. The information for the construction of the tank and foundation is insufficient. Please submit the design calculations for the tank and foundation as well as the construction details.
14. The water used for leakage testing of the storage tank must be disposed of in an acceptable manner. John Wagner of the DEQ in Cheyenne can provide acceptable disposal methods and any discharge permits that may be required.
15. All stream crossings will require permits for work to be performed within the stream channel. Please contact Mike Carnevale of the DEQ in Cheyenne for applications and information on obtaining these permits.
16. The air and vacuum relief lines shouldn't be PVC since they are very susceptible to vandalism. I believe galvanized iron pipe should be specified. Furthermore, wherever possible, the relief riser should surface adjacent to fence lines. This should help prevent accidental damage to the risers.
17. What type of tee is to be used to connect the proposed line to the existing 6" main at station 0+00?
18. The soils report shows some locations where very moist soil was encountered near locations for air and air/vacuum release valves. It may be necessary to specify water-tight vaults in these locations. For all the vaults opened to the earth, a 4" layer of washed gravel should be used to provide a clean base.
19. In section 02221, 3.02.3.3, shouldn't maximum density for noncohesive soils be specified as percent of maximum relative density?
20. Please send three copies of the plans and specifications when you resubmit the additional information. This information should be sent to the Lander Field Office at 210 Lincoln Street, Lander, Wyoming 82520.

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

JCH:dcn

Enclosure

cc: Michael F. Ormsby, State Director, Farmers Home Administration

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.

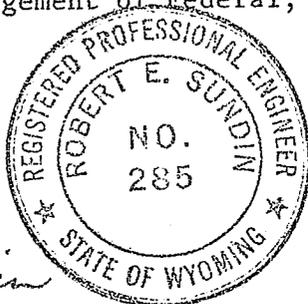
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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
 Administrator
 Water Quality Division
 STATE OF WYOMING



 Director
 Dept. of Environmental Quality

February 9, 1983
 Date of Issuance

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

CONDITIONS

1. The pond lining must be constructed a minimum of three (3) feet thick and be composed of material having a permeability no greater than 4×10^{-7} cm/sec. Prior to filling with fluid the liner shall be tested in-situ in at least three (3) locations by an independent soils lab. If the liner does not meet the above permeability criteria, it shall be re-worked and re-tested until it meets with the criteria at all sites tested. Test locations and results must be submitted to DEQ/WQD.
2. Waste fluids from each new reserve pit handled shall be analyzed for the complete suite of Chapter VIII parameters. The results shall be reported to the Department of Environmental Quality on a regular basis.
3. A log must be kept with the following information: quantity of each load name and location from where each load originated, the haulers company name, and the date of each load.
4. A DEQ/WQD accepted well monitoring system and program may be required as determined by DEQ/WQD personnel.
5. No hazardous waste as defined by the EPA or State of Wyoming may be placed in this pond.

PERMIT TO CONSTRUCT

New
Renewal
 Modified - Change of Owner

PERMIT NO. 96-019
SPECIAL CONDITIONS
95-348, 94-021, 90-204, and 83-22

Schaffer Reserve Pit

This permit hereby authorizes the applicant:

Wyoming Finance Company Inc., dba Piney Co.
P.O. Box 133
Evanston, WY 82931-0133

to construct a disposal pond according to the procedures and conditions of the application number 83-22. The facility is located in Section 21, Tract 43, T28N R113W in the county of Sublette, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator.

Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. This permit verifies only that the submitted application meets the design and construction standards imposed by the DEQ statutes, rules and regulations. The DEQ assumes no liability for, and does not in any way guarantee or warrant the performance or operation of the permitted facility. The permittee, owner and/or operator are solely responsible for any liability arising from the construction or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

The permittee shall allow authorized representatives from the DEQ, 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 DEQ, 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: Lander Office, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-7726.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

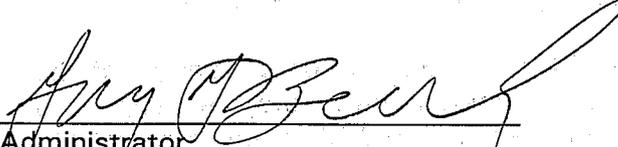
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

The permittee shall construct and operate the permitted facility in accordance with the standard representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

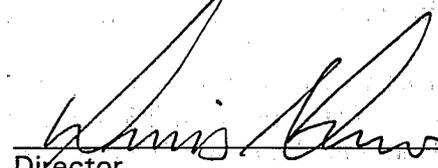
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1. of 5 The pond lining must be constructed a minimum of three (3) feet thick and be composed of material having a permeability no greater than 4×10^{-7} cm/sec. Prior to filling with fluid the liner shall be tested in-situ in at least three (3) locations by an independent soils lab. If the liner does not meet the above permeability criteria, it shall be reworked and re-tested until it meets with the criteria at all sites tested. Test locations and results must be submitted to DEQ/WQD.
2. of 5 Waste fluids from each new reserve pit handled shall be analyzed for the complete suite of Chapter VIII parameters. The results shall be reported to the Department of Environmental Quality on a regular basis.
3. of 5 A log must be kept with the following information: quantity of each load, name and location from where each load originated, the haulers company name, and the date of each load.
4. of 5 A DEQ/WQD accepted well monitoring system and program may be required as determined by DEQ/WQD personnel.
5. of 5 No hazardous waste as defined by the EPA or State of Wyoming may be placed in this pond.

AUTHORIZED BY:



Administrator
Water Quality Division



Director
Department of Environmental Quality

February 9, 1983
Date of Issuance

RRT/bb/60434.ltr

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-23R

DeBERNARDI PIT AREA, SETTLING PONDS "A" & "B"
(Name of Facility)

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

DeBernardi Brothers, Inc.
514 "B" Street
Rock Springs, WY 82901

to construct, install, or modify a settling ponds for sand and gravel operation

facility according to the procedures and conditions of the

application No. 83-23R. The facility is located in

Sec. 26, T20N, R109W

in the County of Sweetwater,

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

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

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

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

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

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

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

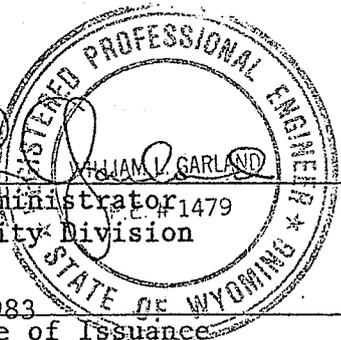
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

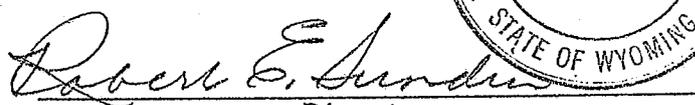
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

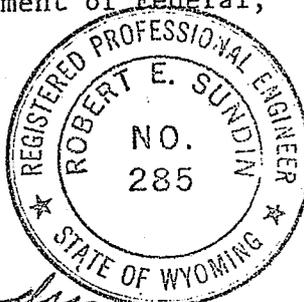
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator #1479
Water Quality Division




Director
Dept. of Environmental Quality


February 16, 1983

Date of Issuance

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

AJB:dcn

2-1-83

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-24

SPICER - NATCO SEPTIC SYSTEM
(Name of Facility)

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

Charles E. Spicer
1807 12th Street
Cody, WY 82414

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

facility according to the procedures and conditions of the

application No. 83-24. The facility is located in

Lot 3, Spicer Subdivision, Sec. 8, T52N, R101W

in the County of Park,

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

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

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

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

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

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

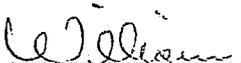
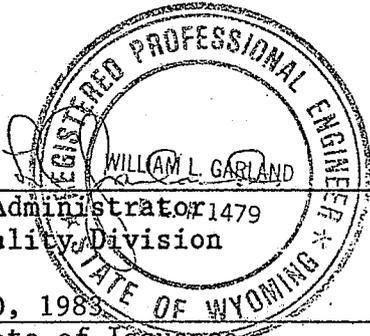
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

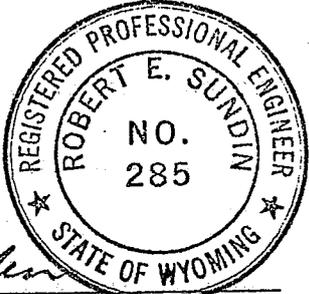
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

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

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

AUTHORIZED BY:



Administrator #1479
Water Quality Division
January 20, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

FL:dcn

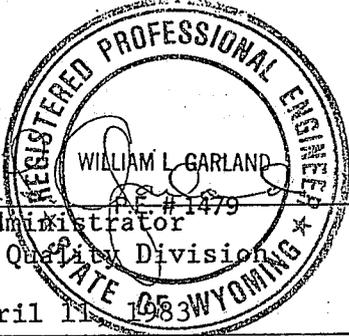
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

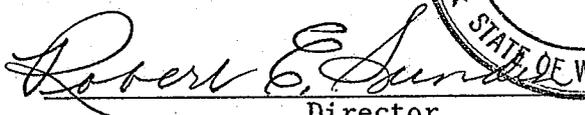
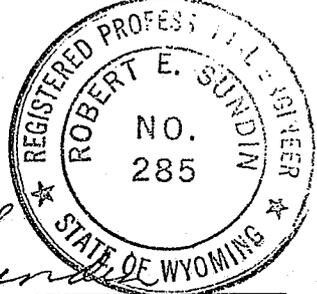
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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
No. 1479
Administrator
Water Quality Division
April 11, 1983
Date of Issuance



ROBERT E. SUNDIN
No. 285
Director
Dept. of Environmental Quality

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

CONDITION

Prior to the introduction of any pit water into Reservoir 301, Big Horn Coal Company shall obtain a modification to its NPDES Permit (No. WY-0022519), so as to reflect the discharge of pit water from the reservoir.

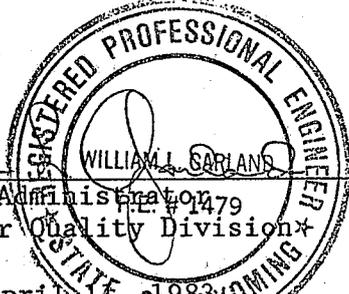
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

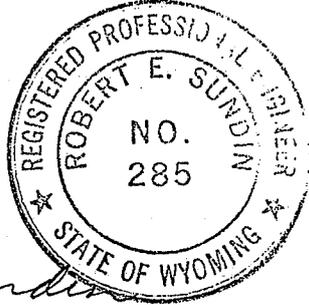
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State 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. Sarlans
WILLIAM L. SARLANS
ADMINISTRATOR #1479
Water Quality Division
STATE OF WYOMING
April 14, 1983
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.

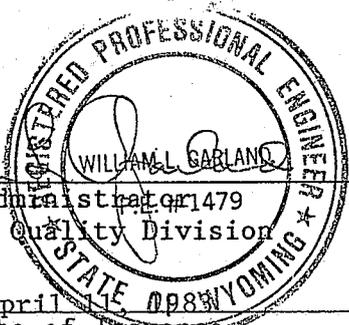
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

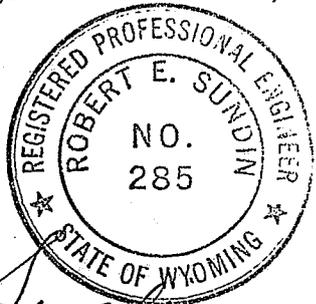
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AUTHORIZED BY:


William L. Garland

WILLIAM L. GARLAND
Administrator 1479
Water Quality Division
STATE OF WYOMING
April 15, 1983
Date of Issuance


Robert E. Sundin

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.

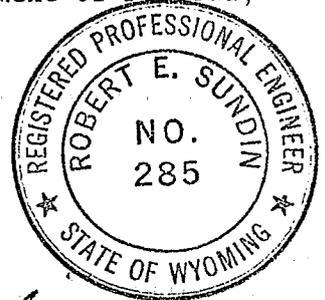
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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AUTHORIZED BY:



William L. Garland
WILLIAM L. GARLAND
Administrative 1479
Water Quality Division
April 1, 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.

CONDITION

Prior to the introduction of any pit water into Reservoir 304, Big Horn Coal Company shall obtain a modification to its NPDES Permit (No. WY-0022519), so as to reflect the discharge of pit water from the reservoir.

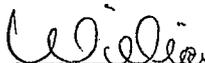
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming 82801; telephone, 672-6457.

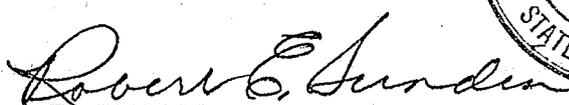
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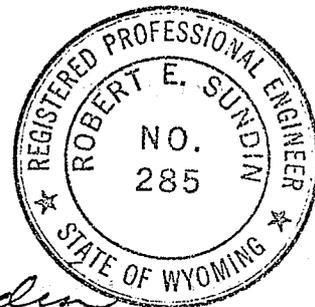
AUTHORIZED BY:



WILLIAM GARLAND
Administrator
Water Quality Division
STATE OF WYOMING
April 1, 1983
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.

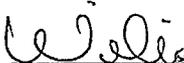
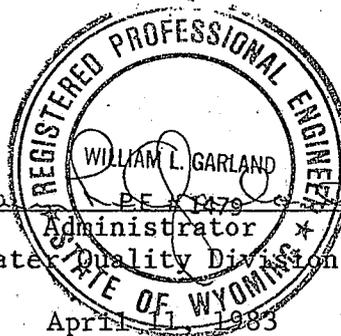
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

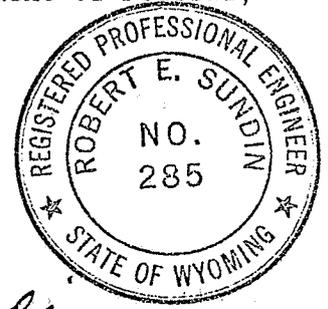
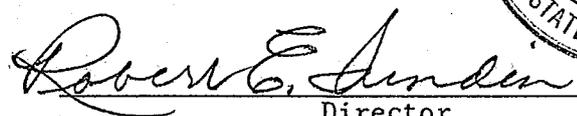
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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AUTHORIZED BY:



WILLIAM L. GARLAND
PE # 2479
Administrator
Water Quality Division
STATE OF WYOMING
April 11, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

4-20-83

PERMIT TO CONSTRUCT

Permit No. 83-31R

- New
- Renewal
- Modified

BIG HORN TROUT RESERVOIR

(Name of Facility)

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

Big Horn Coal Company
Attention: Marlin Holm
P.O. Box 724
Sheridan, Wyoming 82801

to construct, install, or modify a coal mine sediment containment reservoir

_____ facility according to the procedures and conditions of the

application No. 83-31R. The facility is located in _____

Sections 13 and 14, T.57N., R.84W.

_____ in the County of Sheridan,

in the State of Wyoming. This permit shall be effective for a period of five (5)

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

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

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

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

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

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

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

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

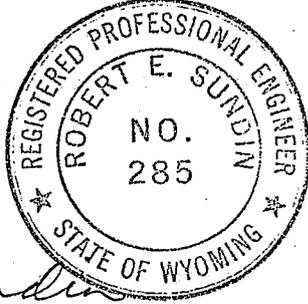
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AUTHORIZED BY:


William L. Garland

William L. Garland
Administrator 479
Water Quality Division
April 14, 1983

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.

Water Quality Division
Groundwater Section
Permit Application Review

None; Returned to
Sheridan
Jim

Application Number 83-25 thru 83-31

Date Submitted For Review 1-21-83

Name and Location of Facility Big Horn Coal Co. Reservoirs 301-306
T57 R84 Sec 13414 & 15
Sheridan Co.

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

- No Comment. The submittal is consistent with current ground-water protection procedures and requirements.
- Comments attached.

Signed Richard Hennep
Title Eng. Eval
Date 1-31-83

Approved 1/31/83
(Date)

apm
(Signed)
Groundwater Control Supervisor

NORMA

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Big Horn Coal Company
Reservoirs 301, 302, 303, 304, 305,
306 and Trout Reservoir

ARCHITECT OR ENGINEER: Edward L. Jankowski, Jr.
Attention: Marlin Holm
Big Horn Coal Company
P.O. Box 724
Sheridan, Wyoming 82801

WATER QUALITY DIVISION
REFERENCE NUMBERS: 83-25 through 83-31

REVIEWING ENGINEER: Tom Mueller *TJM*

DATE OF REVIEW: February 8, 1983

ACTION: Not Authorized for Construction

COMMENTS:

General

1. An overall plan of the Pit 3 area would be helpful, showing drainage areas, and the general runoff control plan.
2. The runoff calculations for the various ponds are computed without using the minimum hourly loss or rainfall redistribution methods of the Soil Conservation Service. This results in very conservative (high) flood volumes. This Division will issue Permits to Construct for the facilities as designed, but we do feel the applicant should be informed that such conservatism is not required.
3. No indication of discharge means is provided. For each pond not identified with a NPDES outfall number, calculations must be provided indicating the capacity of pumping equipment required to dewater the 10-year, 24-hour runoff volume from the pond within 10 days of the time that the water meets discharge requirements; and the applicant must certify that he has pumps sufficient in capacity and number to accomplish this task.

4. Big Horn Coal's NPDES permit must be modified, prior to the discharge of any pit water to Reservoirs 301 or 304, to reflect discharges of pit water from those reservoirs. If this is not done prior to issuance of the Permits to Construct, conditions to require such modification will be attached to Permits to Construct.
5. The basis for the indicated pit inflow of 0.07 acre-feet should be indicated.
6. Construction specifications for the embankments, outfall structures and appurtenances to be constructed must be submitted.
7. Four (4) copies of plans and specifications accompanying applications for Permits to Construct are required for coal mining operations.

Reservoir 302

Sheet 2 of 2 - Using the rectangular formula to calculate volume, the result is approximately 27.2 acre-feet, which is less than the required volume indicated. Considering the conservativeness of the flood design, however, this volume is acceptable.

Reservoir 304

Sediment storage calculations beginning on page MP 393 appear to assume the occurrence of a 10-year, 24-hour storm every day.

Trout Reservoir

It is not clear from the materials submitted whether a Permit to Construct is required. If the reservoir will receive pit or process wastewater which has not been discharged through a NPDES numbered outfall, or receive untreated runoff from disturbed land, then a Permit will be necessary. If this is the case, drawings for this reservoir must also be submitted.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

CERTIFIED MAIL

PROJECT: Lot 8, Deer Park Subdivision Wastewater Disposal Facility

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

OWNER: V & P Enterprises
431 Main Street
Lander, WY 82520

WATER QUALITY DIVISION REFERENCE NUMBER: #83-32

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: January 20, 1983

ACTION: **Not authorized.**

COMMENTS: Deer Park Subdivision is located within the boundaries of the City of Lander's 201 Facility Planning Area. As a result, we need to know the distance from the subdivision to the nearest public sewage collection line. If such a line is available within a reasonable distance to the subdivision, then the permit to modify the existing on-site wastewater disposal facilities could be denied and connection would have to be made to the public collection line. If such a line is not reasonably close to the subdivision, a permit to modify the existing facilities will be issued with a condition that when a public sewage collector does become available, the on-site facilities are to be abandoned and connection is to be made to the public collector at that time. In this case, a letter will be required from V & P Enterprises agreeing to this permit condition. We also will require a map showing the location of the nearest sewage collection line in relationship to Deer Park Subdivision.

Assuming an on-site facility can be authorized, a review of the proposed modifications to the unauthorized disposal facility currently serving Lot 8 has been completed. The design submitted is lacking in several areas, the most critical being there is no justification (i.e. design calculations) for what is presented. Mound system designs require careful calculations to insure that all aspects of the system properly fit together. In performing my own calculations, I have discovered several potential flaws in the system proposed.

Based upon my review, the following points need to be resolved before a permit to modify the facilities could be issued:

AC

1. On the Checklist Sheet, the depth of drainfield filler material under the distribution lines is given as 38 inches and the depth over the lines is given as 24 inches. The plans show a total depth of drainfield filler of 16 inches. This discrepancy needs to be corrected.
2. A cleanout is needed at the intersection of the sewer lines from the 2 trailers. A cleanout detail is needed.
3. Are there any wells within 50 feet of the septic tank or 100 feet of the disposal field?
4. Are there any waterways within 50 feet of the septic tank or the disposal field?
5. What is the length and slope of the sewer lines from the trailers to the septic tank?
6. The length of the pipe from the pumping chamber to the laterals needs to be shown on the plans.
7. The maximum recommended lateral spacing is 3 feet.
8. Laterals should be $\frac{1}{2}$ ft. shorter than $\frac{1}{2}$ the length of the bed. For a 42 foot bed, the laterals should be $20\frac{1}{2}$ feet long.
9. The laterals should be placed within 3 feet of the sides of the bed. For a 42 foot bed, this requires a manifold length of 36 feet.
10. The plan view on Page 5 should show the actual number of laterals to be used in the bed, their length and placement.
11. A dosing quantity of 500 gallons is required. The pumping chamber, as designed, will dose only 376 gallons. Note that a 190 gallon dose is called for on Page 8.
12. The pumping chamber should provide for at least $\frac{1}{2}$ day's emergency storage or 300 gallons.
13. My calculations indicate that for the absorption area shown, the lateral holes should be increased to $\frac{3}{16}$ of an inch in diameter and that a pump which can pump 87 gpm at 14 feet of head is required. Also, the pipe between the pump and the inlet to the distribution system should be increased to 3 inches in diameter.
14. Electrical specifications are needed for the pumping chamber switches and alarm light.
15. An outside mounted manual on-off switch should be provided for the pump.
16. On Page 8, the lateral elevation is not given.

of Plans & Specifications
- 8, Deer Park Subdivision
January 20, 1983
Page Three

A response to this review letter is required within seven (7) days of the date it is received. The revised plans and specifications must be submitted in triplicate. All pertinent design calculations must be included with the reply. If you have any questions, please call me at this office.

FL:dcn

cc: Ray Price - Fremont County Planning Office



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 10, 1983

Harold O'Malley
C. E. Spurlock, Jr. & Associates
P. O. Box 0
Lander, WY 82520

RE: Application for Permit to Construct
Lot 9 Deer Park Subdivision
DEQ Ref. No. 83-32R

Dear Mr. O'Malley:

Mr. John Pappas has informed this office that one of the units currently being served by the wastewater disposal facility on Lot 9 will be removed and a second system will be constructed to serve it. As a result, he will not need to obtain a permit to modify the existing system.

The referenced application has been withdrawn in accordance with Mr. Pappas' wishes. Two copies of the application have been retained for our records and the remaining copy is being returned to you with this letter.

Yours truly,

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

Francis LaBarge
Northwest District Supervisor

FL:dcn
Enclosure
cc: John Pappas
Plans #83-32R



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 10, 1983

Mr. John Pappas
V & P Enterprises
431 Main Street
Lander, WY 82520

RE: On-site wastewater disposal facility
serving Lot 9 of Deer Park Subdivision
DEQ Ref. No. 83-32R

Dear Mr. Pappas:

Your decision to remove one of the residential units from the existing septic system which is currently serving two units will resolve the need to have an engineer redesign the system and to obtain a permit to modify the facility from this Department. Fremont County issues construction permits for septic systems serving single family residences; therefore, the matter has now been referred to Mr. Ray Price of the Fremont County Planning Office.

It is necessary that V & P Enterprises apply to the county for and obtain a permit to construct the new septic system to serve the unit being taken off the existing system. In addition, V & P Enterprises must obtain approval from the county for the existing system to serve a single family residence. I have discussed this matter with Mr. Price and we are in agreement the existing system should be adequate for this purpose. But, you still need to obtain his letter of approval.

Assuming that V & P Enterprises obtains the necessary letter of approval and construction permit and installs the second wastewater disposal facility in the time frame set by the county, this office considers the matter closed. If you have any questions, please call me.

Yours truly,

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

Francis LaBarge
Northwest District Supervisor

FL:dcn

cc: Ray Price--Fremont County Planning Office with attachments
Plans #83-32R

William J. McGinnis, Jr.
President
Jane McGinnis, Secretary

J-F Ranch, Inc.

P. O. Box 280
Phone 276-3279
Big Piney, Wyoming 83113

March 11, 1983

Wyoming Department of Environmental Quality
Water Quality Division
210 Lincoln
Lander, Wyoming 82520

Reference No. #83-33R

Dear Mr. Bedessem,

I have decided to with-draw my application for a Wastewater Disposal Pit. I feel this project is not feasible at this time, due to the depressed state of the oil drilling business and the expense involved in the development and maintenance of the pit.

Yours truly,

Jay McGinnis



83-33R

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: McGinnis Wastewater Disposal Pits

ENGINEER: Keith McNinch
Box 633
Big Piney, WY 83113

OWNER: William McGinnis, Jr.
Big Piney, WY 83113

WATER QUALITY DIVISION REFERENCE NUMBER: #83-33R

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: February 25, 1983

ACTION: Not authorized.

COMMENTS: A review of the above mentioned project has been made. Before the review can be completed and a letter of acceptance issued, the following points need to be resolved or addressed:

1. Hydrogeological information is needed below the facility site. Include soil types, respective depths and thicknesses, water bearing zones, perched water zones, etc.
2. If a soil test boring is performed, the boring log should be done to a depth of at least 80 feet.
3. If a water bearing formation is encountered during the boring, a sample of the water should be taken and analyzed for the constituents listed on page 9 of Chapter 8 (enclosed).
4. Depending on the results of the above required information, a ground water monitoring system and program may have to be implemented.
5. Wastewater disposal pit operation should include the following:
 - a. The same analyses required in item 3 should be performed on a sample from each reserve pit prior to disposal in the McGinnis Pits. These analyses are usually done by the oil company.
 - b. Records should be kept by the pit operator which include: quantities, sample analyses, company's name, source of each load.

Address the above management practices and responsibility.

6. Disposal of reserve pit fluids only will be allowed in these pits.

of Plans and Specifications

Winnipeg Wastewater Disposal Pits #83-33R

February 25, 1983

Page Two

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

JB:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: McGinnis Wastewater Disposal Pits

ENGINEER: Keith E. McNinch
Box 633
Big Piney, WY 83113

OWNER: William McGinnis, Jr.
Big Piney, WY 83113

WATER QUALITY DIVISION REFERENCE NUMBER: 83-33

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: February 2, 1983

ACTION: **Not authorized.**

COMMENTS: An initial review of the above mentioned project has been made. Before the review can be completed and a "Permit to Construct" issued, the following points need to be resolved or addressed:

1. A topographic map of the area is needed. The map should include the following items:
 - a. exact location of the pits;
 - b. waterways and drainages in the area;
 - c. existing water well locations within a one mile radius of the pits.
2. A list of the existing water wells within a one mile radius of the pits is needed. The list should include information as to the static water level in each well, and the operating status.
3. Information as to the annual precipitation and evaporation in the area is needed.
4. Information as to the total holding capacity of the pits is needed (i.e. depth of pond A, side slope ratio, freeboard, etc.).
5. Estimate the volume of waste fluids to be disposed of in these pits each year.

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

JB:dcn

cc: Cheyenne DEQ/WQD

AC

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.

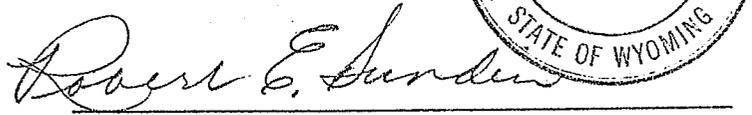
AUTHORIZED BY:



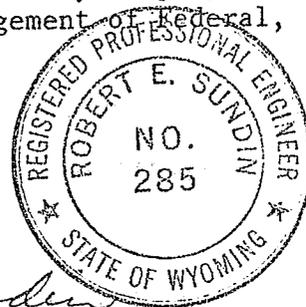
Administrator 1479
Water Quality Division
February 24, 1983

Date of Issuance





Director
Dept. of Environmental Quality



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

JB:dcn

2-14-82

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-35
Ref. No. 81-791

1981 Sewer Collection System Repair & Replacements Project, Saratoga
(Name of Facility)

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

Town of Saratoga

Carbon County Impact Joint Powers Board

P.O. Box 486

Saratoga, WY 82331

to construct, install, or modify a municipal wastewater collection system - Walnut Avenue & Additive Alternate No. 3 - according to the procedures and conditions of the application No. 83-35. The facility is located in Sections 11 and 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.

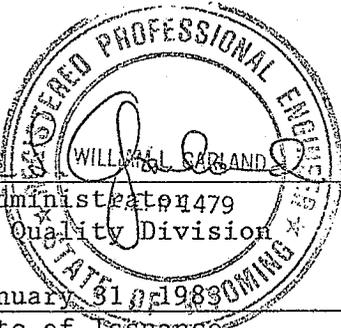
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

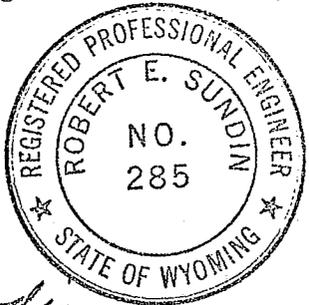
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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:


William Garland

Administrator 1479
Water Quality Division
January 31, 1989
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: Paul McCarthy
Robert Jack Smith & Associates
P.O. Box 1104
Rawlins, WY 82301

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-36
SEE SPECIAL CONDITION

Bryan Stock Trail Interceptor Sewer & Water Main
(Name of Facility)

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

Casper Board of Public Utilities

200 N. David St.

Casper, WY 82601

to construct, install, or modify a potable water distribution system and sanitary sewerage collection system facility according to the procedures and conditions of the application No. 83-36. The facility is located in Sections 34 & 35, T34N, R79W and Sections 2 & 3, T33N, R79W 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.

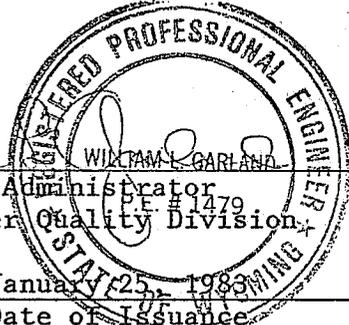
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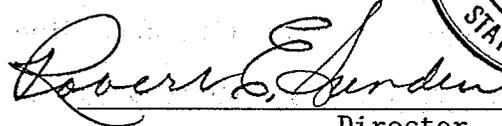
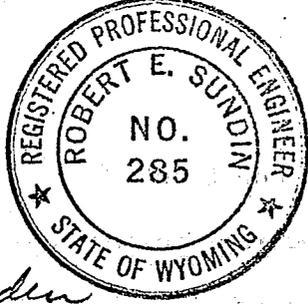
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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



WILLIAM L. GARLAND
Administrator
Water Quality Division
January 25, 1983
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: John F. Donmyer
Howard Needles Tammen & Bergendoff
P.O. Box 3478
Casper, WY 82602

Condition to Permit to Construct

Cathodic protection should be provided for the water main and sewerage system force main crossing the river.

2-14-83

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-37
SEE SPECIAL CONDITION

M & B Construction Trailer Park
(Name of Facility)

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

M & B Construction

Dick Mordahl

218 S. Greeley Hwy.

Cheyenne, WY 82007

to construct, install, or modify a commercial subsurface disposal system facility according to the procedures and conditions of the application No. 83-37. The facility is located in Section 22, T14N, R66W, at College and Mynear Drive in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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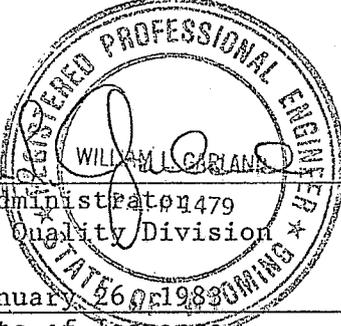
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

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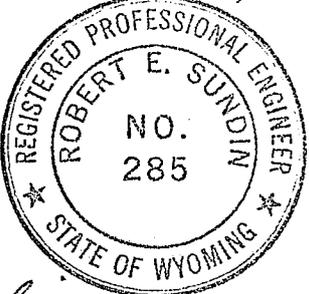
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AUTHORIZED BY:


William J. Carlans

Administrator 1479
Water Quality Division
January 26, 1983

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

Condition to Permit to Construct

The permittee shall notify representatives of the Laramie County Environmental Health of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling. The authorized representative in your area can be contacted at the following address:

Don Pack
Laramie County Environmental Health
1700 Snyder Ave.
Cheyenne, WY 82001
Telephone: 638-8545



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

February 23, 1983

Mr. Bradley J. Nelson, P.E.
City of Riverton
Box 1700
Riverton, WY 82501

RE: City of Riverton Standard Specifications
For Water and Sewer Line Construction
DEQ Ref. No. 83-38RR

Dear Mr. Nelson:

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

Future applications for sewer and water line extensions for the City of Riverton need only refer to the above specifications on the plan sheet. Any materials or procedures not addressed by the standard specifications will have to be addressed in Special Provisions submitted with the plans.

Yours truly,

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

Francis LaBarge
Northwest District Supervisor

FL:dcn
Enclosure

MEMORANDUM

TO PLANS: City of Riverton Standard Specifications
#83-38R

FROM: Francis LaBarge *FL*

DATE: February 16, 1983

SUBJECT: Plan Review

On this date, I conducted a phone review with Brad Nelson on the subject standard specifications. I told Mr. Nelson the following items need to be addressed:

1. On Page 5 under Back Filling, the size of the washed rock needs to be stated;
2. On Page 7 the D.I.P. should be called out as AWWA Specification C-151, with the class given. The PVC pipe should be called out as AWWA Specification C-900 with the class given;
3. On Page 7 there are no air or vacuum valves speced. Mr. Nelson said they have no need for them in Riverton. I told him if the need should arise, they will have to be called out in the special provision. He agreed;
4. On Page 7, the Corporation Stops should be Mueller H-15000; and,
5. On Page 11, the leakage formula is wrong. It should be $L = \frac{ND\sqrt{P}}{7400}$.

Mr. Nelson will make these changes in the specifications and resubmit them in triplicate to this office. As the specifications are used, any problems which may develop with them will be kept track of and approximately once a year, they will be resubmitted to DEQ for approval of the revisions.

No review letter was sent.

FL:dcn

AC



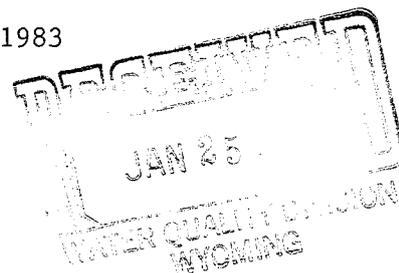
Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 21, 1983



Mr. Bernie Scott
City Engineer
City of Riverton
Box 1700
Riverton, WY 82501

RE: City of Riverton Standard Specifications
For Water and Sewer Line Construction,
DEQ Reference No. 83-38

Dear Mr. Scott:

A review of the above referenced standard specifications has been completed. It appears there are several areas in the proposed standards that could use more detail and that there are some additional areas that should be included.

I believe it would be most helpful to you to see exactly what we would like to be included in a set of standard specifications and how it is preferred they be presented. To this end, I have received permission from Don Dunham, City of Lander Engineering Supervisor, to provide you with a copy of the City of Lander's Standard Specifications for water and sewer line construction (copy enclosed). The Lander standards have been reviewed and meet this departments minimum standards for water and sewer line construction. They are considered an excellent example of standard specifications as they are very well presented, easy to follow and quite detailed. I have highlighted, in the table of contents, those areas I feel should receive your attention.

Please revise your standards as you feel appropriate and resubmit them to me at this office. If you have any questions, please give me a call.

Yours truly,

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

Francis LaBarge
Northwest District Supervisor

FL:dcn

Enclosure

cc: Don Dunham, Engineering Supervisor, City of Lander

AC

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: North 11th Street West Improvements

ENGINEER: Howard Johnson
Inberg-Miller Engineers
124 East Main Street
Riverton, WY 82501

OWNER: Don McClellan
228 Railway Plaza
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 83-39

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: January 21, 1983

ACTION: Not authorized.

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

General Comments

1. Verification is needed that the City Engineer has signed off on the plans.

Sewer System

2. A letter is required from the City of Riverton verifying the existing sewage collection line can satisfactorily handle the added hydraulic load and that they can adequately treat the additional organic load.

3. A sewer service line detail is needed.

4. A cleanout detail is needed.

5. A manhole is required in place of the proposed cleanout at the intersection of the Bull Supper Club and the 8 inch sewer line.

6. The two water lines (i.e. the 1½ service line and the proposed 6 inch PVC water line) need to be shown on the sewer line profile so the separation distances can be verified.

7. The horizontal separation distance between the water and sewer service lines serving the future building on Lot 2 needs to be shown.

AC

Water System

8. A letter is required from the City of Riverton verifying that they can supply the required volumes of water at a minimum pressure of 20 psi under all conditions of flow.
9. What is the maximum anticipated pressure in the proposed water line?
10. The proposed fire hydrant must be served by at least a 6 inch diameter water line.
11. A flushing device is recommended at the end of the proposed 6 inch water line. A detail of this flushing device is needed.
12. A water service line detail is needed.
13. The fire hydrant lead off the proposed water line should be shown on the water line profile.
14. The water line profile needs to show the proposed line as it will join the existing lines as well as all sewer line crossings.
15. A profile is required of the 6 inch water line running West to serve the Bull Supper Club.

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

FL:dcn

cc: Bernie Scott--City of Riverton Engineer

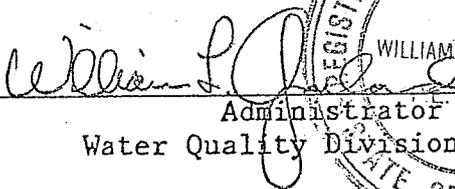
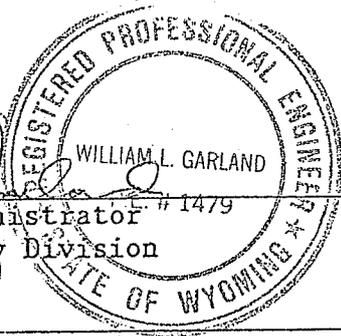
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

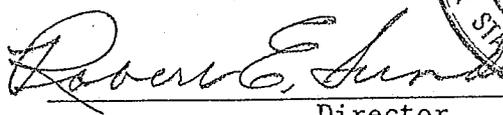
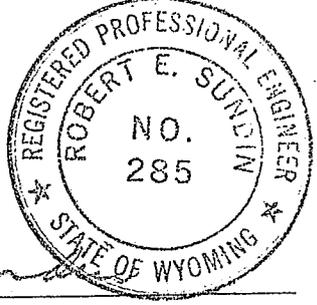
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction 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
Administrator # 1479
Water Quality Division



Director
Dept. of Environmental Quality


February 10, 1983
Date of Issuance

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

FL:dcn

Clinta



THE STATE OF WYOMING



Department of Environmental Quality

Air Quality Division
(307) 332-3144

Land Quality Division
(307) 332-3047

Solid Waste Management Program
(307) 332-3144

Water Quality Division
(307) 332-3144

January 26, 1988

Kevin Jones
516 Sage St.
Evanston, WY 82930

Dear Mr. Jones:

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: Fenus Subdivision

DEQ/WQD Reference Number: 83-40RR

Engineering Consultant: Kevin Jones

DEQ/WQD Review Engineer: Jack Bedessem

Date of DEQ/WQD Review: 10-7-83

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: _____

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,

Bill Locke

for

Jack Bedessem, P.E.

Southwest District Supervisor

JB/jw

Norma

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 6, 1985

CERTIFIED P 399 271 380

Harry N. Carlton
Carlton & Carlton Associates
748 Lombard Street
Evanston, WY 82930

Dear Mr. Carlton:

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: Fenus Subdivision W & S Systems *File - Winter Co. Gen. File*

DEQ/WQD Reference Number: 83-40

Engineering Consultant: Edward Fenus c/o Carlton & Carlton Assoc.
748 Lombard St., Evanston, WY 82930

DEQ/WQD Review Engineer: Jack Bedessem/Bill Locke

Date of DEQ/WQD Review: 10-7-83

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 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: _____

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
165 E. Railroad Ave.
Green River, Wyoming 82935
Phone: (307) 875-6911

PROJECT: Fenus Subdivision Water and Sewer Systems

ENGINEER: Kevin Jones, Harry N. Carlton
Carlton and Carlton Associates
748 Lombard Street
Evanston, WY 82930

OWNER: Edward Fenus
C/O Carlton and Carlton Associates
748 Lombard Street
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 83-40RR

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: October 7, 1983

ACTION: NOT AUTHORIZED.

COMMENTS: The following items need to be resolved or addressed.

1. Clarification. The water and sewer systems were submitted under the same application, contrary to the September, 1983 Engineering Report. (page 1, paragraph 3).
2. A letter from the Bridger Valley Joint Powers Board is still needed indicating that they will supply water to this sub-division under the conditions stated in the Engineering Report.
3. Detailed drawings and specifications are needed for the highway bore casing and the Smith's Fork River crossing. Reference should be made to "Recommended Standards For Sewage Works". Note additional permits may be needed for the river crossing.

The required information needs to be submitted to this office, in triplicate. If you have any questions please feel free to contact me.

ABC

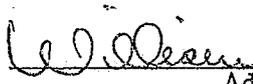
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

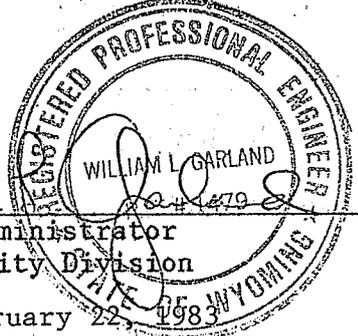
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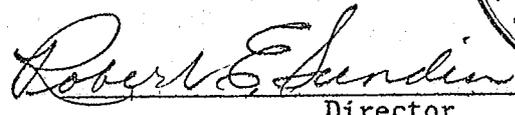
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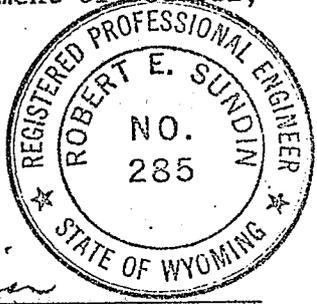
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AUTHORIZED BY:


Administrator
Water Quality Division
February 22, 1983
Date of Issuance




Director
Dept. of Environmental Quality



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

CONDITION

All construction shall be in accordance with the City of Gillette construction specifications.

Norma

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Bicentennial Park Improvements

ARCHITECT OR ENGINEER: Doug Dahms
TSP
201 Lakeway Road
Gillette, Wyoming 82716

WATER QUALITY DIVISION
REFERENCE NUMBER: 83-41

REVIEWING ENGINEER: Tom Mueller *TJM*

DATE OF REVIEW: February 10, 1983

ACTION: Not Authorized for Construction

COMMENTS:

This office has been informed that all applications for Permits to Construct must be signed by the owner, if an individual, or by an authorized officer, if the owner is a corporation, board or other legal entity. Engineers or others may not sign unless they can document that they will be legally responsible that the construction undertaken will meet the requirements of the Permit.

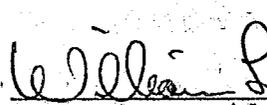
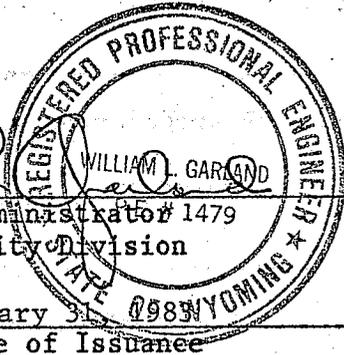
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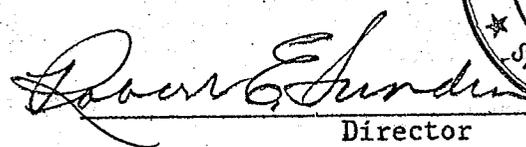
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AUTHORIZED BY:



Administrator #1479
Water Quality Division
January 31, 1988
Date of Issuance



Director
Dept. of Environmental Quality

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

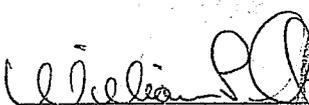
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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: District Engineer, 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.

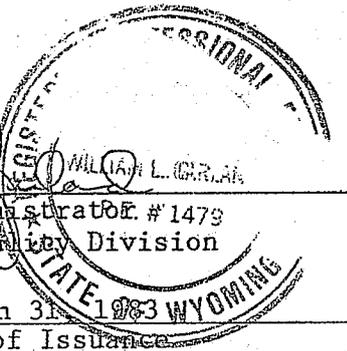
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



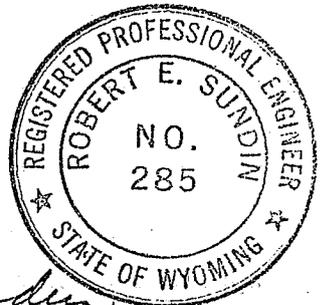
WILLIAM L. GRALAK
Administrator # 1479
Water Quality Division
March 31, 1983

Date of Issuance





ROBERT E. SUNDIN
Director
Dept. of Environmental Quality

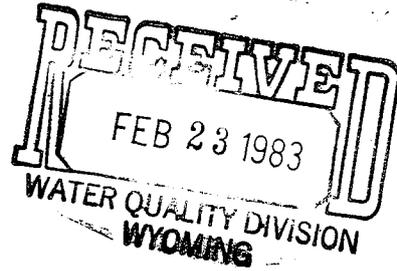


This permit does not supercede the requirements for obtaining any permit from local agencies.

Norma

REVIEW OF PLANS AND SPECIFICATIONS

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



PROJECT: Ruby Subdivision Public Water Supply
ARCHITECT OR ENGINEER: Ralph Goodson
Box 125
Sundance, Wyoming 82729
WATER QUALITY DIVISION
REFERENCE NUMBER: 83-43
REVIEWING ENGINEER: Tom Mueller *TJM*
DATE OF REVIEW: February 22, 1983
ACTION: Not Authorized for Construction

COMMENTS:

The plans appear to be in order. In accordance with recently enunciated Water Quality Division policy, however, the application must be signed by the applicant, unless another signer can document that he will be legally responsible for seeing that construction is carried out as approved.

Current application forms are enclosed.

xc: Dale Ruby (w/enclosure)

2-4-83

PERMIT TO CONSTRUCT

New

Permit No. 83-44

Renewal

Modified

Glendale "South McKinley" Relief Sewer
(Name of Facility)

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

Casper Board of Public Utilities

200 N. David Street

Casper, WY 82601

to construct, install, or modify a sanitary sewer facility according to the procedures and conditions of the application No. 83-44. The facility is located in Section 10, T33N, R79W 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.

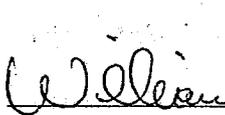
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

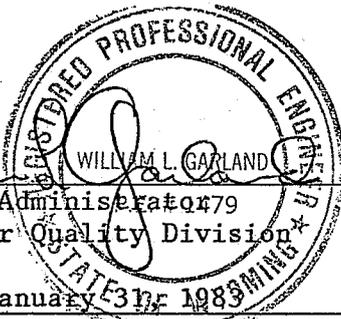
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Water Quality Construction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

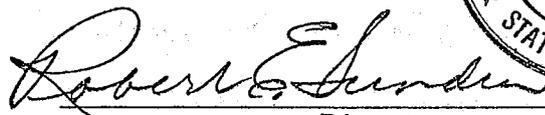
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

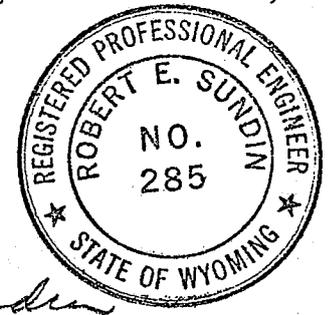
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division
January 31, 1989
Date of Issuance




Director
Dept. of Environmental Quality



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

cc: David W. Hill
Board of Public Utilities
200 N. David St.
Casper, WY 82601

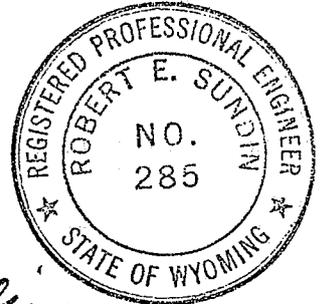
ing working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 165 East Railroad Ave., Green River, Wyoming 82935; telephone, 875-6911.

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 J. [Signature]
Administrator
Water Quality Division
September 1983
Date of Issuance

A circular seal for a Registered Professional Engineer, partially overlapping the signature. The outer ring contains the text "REGISTERED PROFESSIONAL ENGINEER" at the top and "STATE OF WYOMING" at the bottom, separated by two stars. The inner circle contains the name "WILLIAM J. GARLAND".

Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Ken Walker
Uinta Engineering & Surveying, Inc.
P. O. Box 746
Evanston, WY 82930

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: Evanston Southwest Sewer Silt Trap

ENGINEER: Ken Walker
Uinta Engineering and Surveying, Inc.
P. O. Box 746
Evanston, WY 82530

OWNER: City of Evanston
P. O. Box 130
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: #83-45

REVIEWING EVALUATOR: Jack Bedessem *JB*

DATE OF REVIEW: February 14, 1983

ACTION: **Not authorized.**

COMMENTS: An initial review of the above mentioned project has been made. Before the review can be completed and a "Permit to Construct" issued, the following points need to be resolved or addressed:

1. It is recommended that all the bars in the screen run the same direction (i.e. standard bar screen). Eliminating the cross bars will simplify raking or cleaning the screen.
2. Address the problem of cleaning the screen and cleaning out the trapped silt. Estimate how often the trap and screen will have to be cleaned. It is my understanding that access to the silt trap during winter months may be a problem.
3. All applications must be signed by the owner. The engineer cannot sign unless he or she can document that he or she is responsible for the construction in compliance with the permit and that he or she is responsible for all operational conditions which may be imposed.

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

JB:dcn

ABC

*Department of Environmental Quality**Water Quality Division*

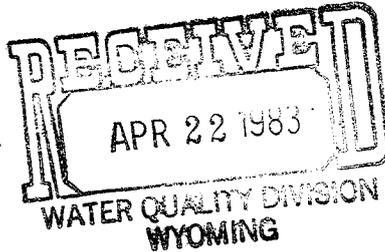
210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

April 19, 1983

Mr. Louis Kirkpatrick
Chevron, U.S.A., Inc.
P. O. Box 599
Denver, CO 80201



RE: Waltman #4 Unlined Water Disposal
Pit, Sec. 24, T36N, R87W, Natrona
County, As-Built Plans - DEQ Ref.
No. 83-46

Dear Mr. Kirkpatrick:

It has been brought to my attention that the above referenced disposal pit is on an active well site. Because of this, the pit comes under the jurisdiction of the Oil and Gas Commission and is exempt from the Department of Environmental Quality-Water Quality Division permitting process for wastewater disposal ponds.

Your application for approval of the "as built" plans of the subject pit, DEQ Reference No. 83-46, has been removed from our files. Two copies of the application package and followup correspondence are being returned to you with this letter while one copy is being retained for our records. I regret any inconvenience you have been caused by the District Office requesting the as-built plans; however, until today I was not aware the pit was on an active well site.

As a reminder, only wastewater from that well may be disposed of in this pit and that any wastewater disposal pits associated with gas plants or pipelines do have to be permitted by this department prior to construction.

Yours truly,

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

Francis LaBarge
Northwest District Supervisor

FL:dcn

Enclosure

cc: Jake Strohmman--Cheyenne DEQ/WQD



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 17, 1983

CERTIFIED

Mr. Louis Kirkpatrick
Chevron, U.S.A., Inc.
P. O. Box 599
Denver, CO 80201

Dear Mr. Kirkpatrick:

Our records indicate your application for approval of "As Built" plans has not been resubmitted to this office for review. The specific information for your proposed project are:

Facility Name:	Water Disposal Pit, Waltman #4
DEQ/WQD Reference Number:	83-46
Engineering Consultant:	C. E. Spurlock, Jr. and Associates
DEQ/WQD Review Engineer:	Francis LaBarge
Date of DEQ/WQD Review:	February 11, 1983

Please inform me in writing of when the application will be resubmitted.

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 "Francis LaBarge".

Francis LaBarge, P.E.
Northwest District Supervisor
Water Quality Division

FL:dcn

cc: C. E. Spurlock, Jr. and Associates

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: Water Disposal Pit, Waltman #4 (NW $\frac{1}{4}$ NE $\frac{1}{4}$)

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

OWNER: Louis Kirkpatrick
Chevron, U.S.A., Inc.
P. O. Box 599
Denver, CO 80201

WATER QUALITY DIVISION REFERENCE NUMBER: 83-46

REVIEWING ENGINEER: Francis LaBarge *FL*

DATE OF REVIEW: February 11, 1983

ACTION: As Built Not Authorized

COMMENTS: A review of your application has been completed. It has been determined that some additional information is needed and that the plans will have to be modified to meet this department's requirements for disposal pits. Following are my findings:

1. Was the water sample taken of produced water or of water discharged from the condensate storage tanks?
2. Are there any domestic water wells within $\frac{1}{4}$ mile of the disposal pit? If so, what are they used for and what is the static water level in any such wells?
3. The "as built" plans do not show a detail of the 2 pit influent lines. Please provide one. Do the influent lines discharge onto a splash pad or some other method of erosion protection? If not, please incorporate this into your revised plans. Be sure to show the dimensions of the erosion protection. If the pipes discharge onto the side wall of the pit, the erosion protection should extend all the way to the floor of the pit.
4. What size and of what material (i.e. specification) are the 2 pit influent lines?
5. What are the side slopes of the pit? If they are steeper than 3:1, please revise the plans to show this maximum slope.
6. Please show the top and bottom dimensions of the pit. What is the pond volume? What is the maximum water elevation expected in the pit?

AC

February 11, 1983

Page Two

7. From the plans, there doesn't appear to be any dikes around the pit. In this case, a diversion ditch will be required to prevent surface runoff from getting into the pit. The diversion ditch needs to be shown in both plan and profile views on the revised plans.
8. The pit needs to be fenced and warning signs advising the nature of the facility need to be put up. Please show the fence on the plans and provide a fence specification. Also show where the warning signs will be installed and what wording will be used on them.
9. Material and construction specifications are needed for any modifications that will have to be made to the pit such as changing the side wall slope, influent erosion protection, fencing, warning signs, diversion ditch construction, etc.

Upon receipt of your reply and revised plans and specifications, in triplicate, a permit to modify the existing facility will be issued, assuming all items have been satisfactorily addressed. The following conditions will be placed upon the permit to modify the pit:

1. At least 2 feet of freeboard will have to be maintained in the pit at all times; and,
2. The pit is authorized only for the disposal of drain water from the two 300 barrel condensate storage tanks. The disposal of any other fluids or wastes in the pit will be a permit violation.

We will also require the facility be modified as soon as possible and that this office be notified in writing when this has been done.

Please be sure the revised plans and specifications are signed by the engineer. If you have any questions, please call me.

FL:dcn

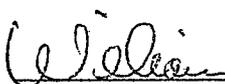
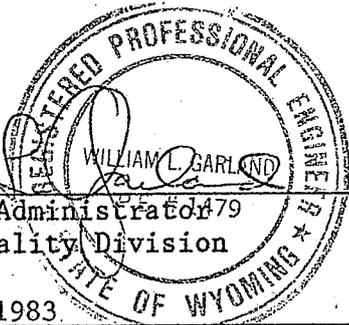
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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.

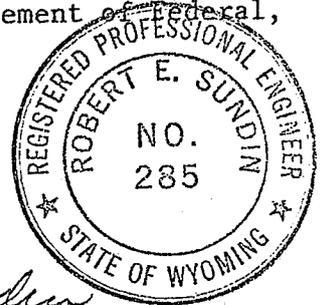
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

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 479
Water Quality Division
STATE OF WYOMING


Director
Dept. of Environmental Quality


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

February 23, 1983
Date of Issuance

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

FL:dcn

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
210 LINCOLN
LANDER, WYOMING 82520
PHONE: (307) 332-3144

PROJECT: Monroe Avenue Reconstruction

ENGINEER: Bradley J. Nelson
P. O. Box 1700
Riverton, WY 82501

OWNER: City of Riverton
P. O. Box 1700
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 83-47

REVIEWING EVALUATOR: Jeff Hermansky



DATE OF REVIEW: February 4, 1983

ACTION: Not authorized.

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

1. Notes should be included on the plan sheets to clarify the requirements of the following proposed work:
 - a. The plugging of to East of line to be abandoned at Broadway and Monroe.
 - b. Extend Main and Reconnect at 5th and Monroe.
 - c. Extend 6" Main at 7th - show limits of work.
 - d. Show the size on the plan sheet, of the proposed 10" PVC main to cross Federal.
2. The bid schedule should be changed to show the connection of the 6" main to a 4" C.I.P. at Broadway and Monroe. (Item 8).
3. Call out the 10" ductile iron main located on Monroe, on the plan sheet.
4. Show the location of the 6" main listed under item 13 of the bid schedule, on the plan sheet.
5. Show on the plan sheet, the 6" valve and box listed under item 14 of the bid schedule.

AC

February 4, 1983

Page Two

- b. The specifications must list a method to clean valves and appurtenance that are installed where they won't be subject to disinfection as part of a new main. I would suggest a swabbing with a strong chlorine solution for these cases.

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

JCH:dcn

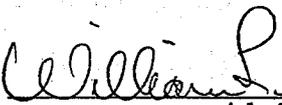
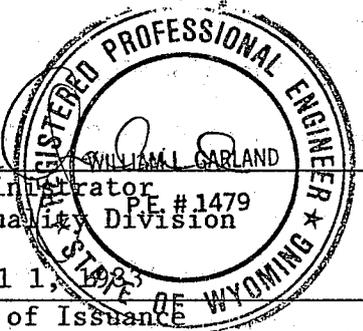
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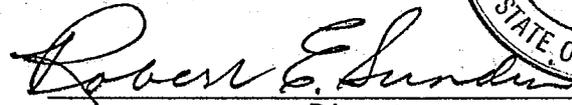
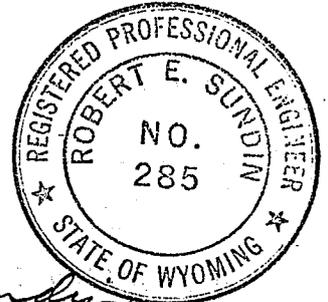
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State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

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

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AUTHORIZED BY:


WILLIAM L. GARLAND
Administrator
Water Quality Division
PE # 1479
April 1, 1983
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: Larson Engineering

Norma

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Rush Creek Mobile Home Sites

ARCHITECT OR ENGINEER: Larson Engineering
1901 Energy Court, Suite 301
Gillette, Wyoming 82716

WATER QUALITY DIVISION
REFERENCE NUMBER: 83-48

REVIEWING ENGINEER: Tom Mueller *TMM*

DATE OF REVIEW: February 11, 1983

ACTION: Not Authorized for Construction



COMMENTS:

1. No Permit to Construct will be issued until a completed application form, signed by the owner, has been received.
2. Plans of the sewage collection system are needed.
3. Specifications of all materials and construction methods to be used are needed.
4. Construction of the septic tanks in parallel will not be allowed as there is no available means of guaranteeing an effective flow split between them. The tanks must be placed in series, with the largest one upstream.
5. The calculations accompanying the drawing are slightly unclear regarding the ultimate number of dwellings to be connected to the system. Please clarify this.
6. Specifications and/or details of the sewer service connections for the mobile homes must be submitted, in accordance with Appendix A of Chapter 3 of the Water Quality Rules and Regulations.
7. The water supply for the residences must be indicated. If it is private, no permit is needed. If every residence will be served by a separate tap from existing mains, no permit is needed. If the system involves construction of new mains from the Town of Moorcroft, or any other Public Water Supply, plans and specifications for a Permit to Construct must be submitted.
8. Depth to the seasonally highest groundwater level beneath the leach field must be determined.

xc: Ed and Ruth Jones

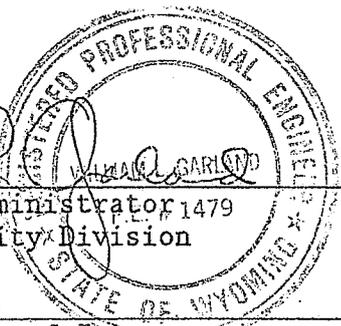
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

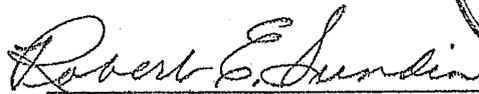
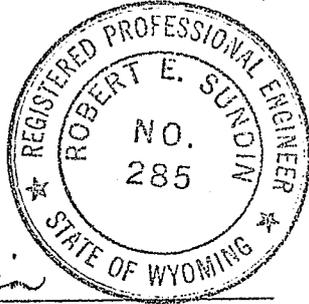
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction 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
February 2, 1983
Date of Issuance



Director
Dept. of Environmental Quality

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

FL:dcn

2-18-83

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 83-50

Harshman Street Extension & Brook Street Access
(Name of Facility)

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

Carbon County School District No. 1

P.O. Box 160

Rawlins, WY 82301

to construct, install, or modify a sanitary sewer and potable water main facility according to the procedures and conditions of the application No. 83-50. The facility is located in Section 9, T12N, R87W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

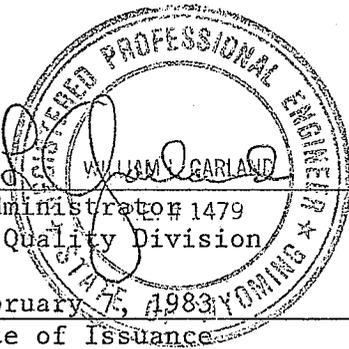
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

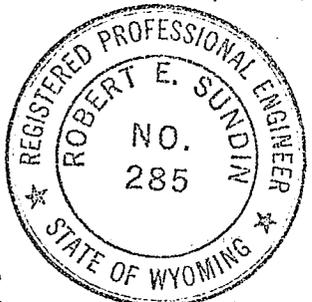
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AUTHORIZED BY:


William Garland
Administrator # 1479
Water Quality Division
February 7, 1983
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: Rex A. Behrends
Robert Jack Smith & Assoc.
P.O. Box 1104
Rawlins, WY 82301