

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 86-151R
SEE CONDITION ON BACK

Forgey Ranch
(Name of Facility)

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

Russell Forgey

P.O. Box 722

Casper, WY 82602

to construct, install, or modify a subsurface wastewater treatment and disposal system for residences according to the procedures and conditions of the application No. 86-151R. The facility is located in Section 32, T35N, R80W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 86-152
SEE CONDITIONS ON BACK

SuperAmerica Station Monitoring Well
(Name of Facility)

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

SuperAmerica Warehouse

1240 West 98th Street

Bloomington, Minnesota 55431

to construct, install, or modify a groundwater monitoring well facility according to the procedures and conditions of the application No. 86-152. The facility is located in Section 27, T.56N., R.84., in the County of Sheridan, 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.

WATER QUALITY DIVISION
GROUNDWATER SECTION
PERMIT APPLICATION REVIEW

APPLICATION NUMBER 86-152

DATE SUBMITTED FOR REVIEW 5-21-86

NAME AND LOCATION OF FACILITY _____

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

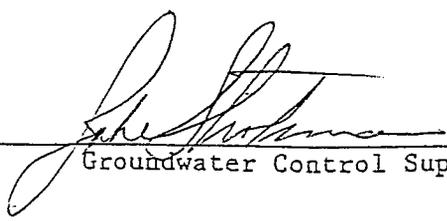
- No comment. The submittal is consistent with current groundwater protection procedures and requirements.
- Comments attached.

SIGNED 

TITLE Engineering Evaluator

DATE 5/22/86

ACCEPTED FOR RECORD 5/23/86
(Date)


Groundwater Control Supervisor



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Susan Fields

FROM: Chris Norman *Chris C. Norman*

DATE: May 23, 1986

SUBJECT: 86-152

The following conditions should be included on permit to construct, 86-152:

Conditions to Permit to Construct No. 86-152

1. Drilling logs, sampling results, as-built construct drawings including ground elevations of each well top, and other hydrogeological information should be submitted at the Department of Environmental Quality, Water Quality Division Groundwater Section, in a timely manner for our comment prior to the completion of the groundwater contamination investigation.
2. A deviation is hereby granted for those wells prevented by physical limitations to adherence to the requirements on minimum depths of seal below ground surface as detailed in Wyoming Water Quality Division Rules and Regulations, Chapter XI, Section 65. However, a sufficient seal should be installed according to normal engineering practices.
3. The monitoring wells should not be removed or abandoned without concurrence from the Department of Environmental Quality, Water Quality Division Administrator.

norma

REVIEW OF PLANS AND SPECIFICATIONS

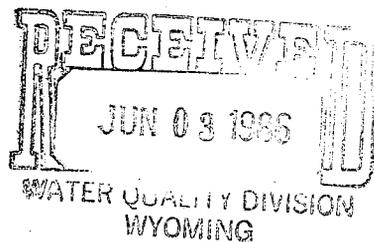
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Chevron Painter Unit Septic Tank/Leachfield

ENGINEER: John R. Hervey
Chevron USA, Inc.
Drawer AA
Evanston, WY 82930

OWNER: Chevron USA, Inc.
Painter Reservoir Unit
Drawer AA
Evanston, WY 82930



WATER QUALITY DIVISION REFERENCE NUMBER: 86-153

REVIEWING ENGINEER: Bill Locke, P.E. *BL*

DATE OF REVIEW: May 29, 1986

ACTION: Not authorized.

COMMENTS:

A preliminary review of the above plans and specifications has been completed. A permit to construct will not be issued until the following items have been addressed:

1. Please fill out and sign the attached application form.
2. Please confirm that this system is designed for two buildings housing 7 full time employees (estimated flow = 210 gpd).
3. Please label all isolation distances between the system (septic tank and leachfield) and wells, water lines, surface waters, buildings and property lines.
4. Please specify material and slope of pipe for the sewer pipe and drain pipe.
5. Please confirm that the absorption field will not be located under roads, parking areas or other similarly compacted areas.
6. Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

BL/jw
c: Fireside Construction
ATTN: Steve Bowen
P.O. Box D
Evanston, WY 82930

ABC



Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

September 29, 1986

The Honorable George McPherren
Mayor, Town of Ten Sleep
P.O. Box 5
Ten Sleep, WY 82442

RE: Town of Ten Sleep, Wyoming, C560159, DEQ/WQD Ref. No. 86-154R,
Approval of Plans and Specifications

Dear Mayor McPherren:

The plans and specifications for the construction of wastewater treatment facility for the referenced project have been reviewed by the State of Wyoming Department of Environmental Quality. This office hereby approves the plans and specifications and is enclosing a permit to construct. Please be advised that all the conditions in your grant agreement apply toward this project.

The procedure for submission and approval of modifications to the approved plans and specifications is the same as for the original set; i.e., five copies of any proposed modifications, together with an explanation of the reasons therefor should be forwarded to us. Unauthorized modifications of approved sets of plans and specifications may result in suspension of federal participation in the project.

We are sending the approved plans and specifications for the referenced project which must be kept available at all times so that personnel from this office may have access to them during inspection activities.

Sincerely,

A handwritten signature in cursive script that reads "William L. Garland".

William L. Garland
Administrator

WLG/JP/nc
Enclosures

cc: EPA, Region VIII
Sherman Allred, Donnell & Associates
Loren Leichtnam, DEQ/WQD Sheridan
Grant File

Bids Rejected
Project Redesigned # 87-174 9-29-86

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 86-154R
EPA C560159-94

Ten Sleep Wastewater Treatment Facility
(Name of Facility)

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

Town of Ten Sleep

P.O. Box 5

Ten Sleep, WY 82442

to construct, install, or modify a enlarge the existing wastewater lagoon and add 3 cells using floating baffles, add aeration and ultraviolet disinfection according to the procedures and conditions of the application No. 86-154R. The facility is located in Section 20, T47N, R89W in the County of Washakie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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



Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

M E M O R A N D U M

86-154
EPA
C560159-94

TO: Jerry Placzek, Engineering Evaluator

FROM: E.J. Fanning, Water Quality Soil Specialist 

DATE: July 9, 1986

SUBJECT: Review Comments - Town of Ten Sleep Wastewater Treatment Facility Improvements

Item 4.4 - Lagoon Dewatering

How will the dewatering be accomplished? Will it take the form of land application or will it be a discharge situation? If land application is chosen, a quality analysis will have to be performed on the water, and appropriate acreages and total loading stated.

Item 4.5 - Sludge Removal

Appropriate sludge sampling and analysis per the accompanying schedule need to be performed. Total site acreage and sludge volumes are required, as well as ultimate use of the site when reclamation is completed.

/jn



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

June 23, 1986

Mr. Sherman B. Allred
John W. Donnell & Associates, Inc.
P.O. Box 638
Worland, WY 82401

RE: Ten Sleep Wastewater Treatment Plant, EPA Project #C560159, DEQ/WQD
Ref. No. 86-154

Dear Sherman:

I have enclosed review comments on the above referenced project from the district engineer, Jeff Hermansky, the groundwater monitoring section, A. J. Mancini, and from OSHA, Joe Borghi. When replying to the comments made by these reviewing agencies, please forward such a response through me.

My comments are as follows:

1. This office will require an explanation of the apparently restricted specification involving the experience requirements for the aerator manufacturer. Section 4.7-8 page 4.28.
2. In the advertisement for bids page 1.2 change Title 40 CFR 35.936-7 to 40 CFR 33.240.
3. It is noted that there is not stand-by power provided for this system. Please explain.

Please be advised that additional comments from the Compliance Section concerning the temporary lagoon, and from the Planning Section concerning the sludge management proposal will be forwarded to you when I receive them.

Also enclosed in this letter you will find three EPA forms which must be completed in order to process the town's grant application. EPA Form 4700-4 Compliance Report needs to be signed by the town's authorized representative. EPA Form 6005-1 Recipient's Report documents the MBE's/WBE's utilized by your firm during the planning and design phase. Again the document requires the signature of the town's authorized representative. EPA Form 5700-32 is the actual grant application; please complete including signature. Processing of the grant application will begin when these documents are received.

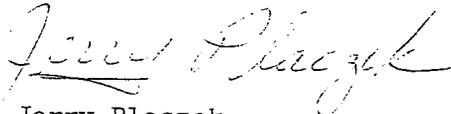
Mr. Sherman B. Allred

June 23, 1986

Page 2

If you have any questions or if I can assist you in anyway, please contact me.

Sincerely,



Jerry Placzek
Engineering Evaluator

JP/nc

Enclosures

cc: Mayor McPherron, Town of Ten Sleep
Jeff Hermansky
Grant File

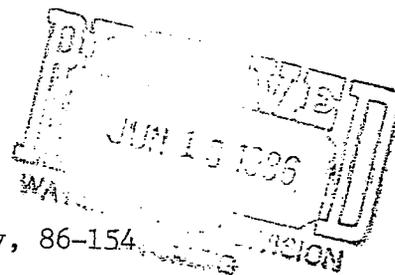
MEMORANDUM

TO: Jerry Placzek, DEQ/WQD, Construction Grants

FROM: Jeff Hermansky, DEQ/WQD, Lander

SUBJECT: Review of Ten Sleep Sewage Treatment Facility, 86-154

DATED: June 10, 1986



This office has completed our review of the proposed treatment facility and would like to make the following comments.

Please request additional in-house review of the plans by:

1. Groundwater Section with particular attention to the suitability of the liner design with respect to groundwater protection. Also, the engineer does not address subsurface/groundwater conditions. The engineer simply made the assumption that the lagoon must meet 1/8 inch/day allowable seepage. What about groundwater monitoring?

2. E.J. Fanning needs to review the sludge disposal plan. The engineer's plans and specifications are not very detailed.

3. John Wagner needs to comment on or approve the use of the temporary lagoon during construction. John may also want to comment on the dewatering of the existing lagoon.

4. Since the new facility will utilize aeration and U.V. disinfection equipment, Paul O'Leary should assess the need to upgrade the qualifications of the operator.

My comments which need to be sent to the engineer are as follows:

1. The sludge collected in the temporary lagoon must be dried prior to hauling to the landfill. The landfill owner/operator must notify this office that they will accept the sludge. Since the sludge collected in the temporary lagoon will not be stabilized, it will need to be buried immediately when hauled to the landfill.

2. The outlet pipe of the temporary lagoon should turn down into the wastewater for at least 18 inches below the surface.

3. Is any sand or graded material necessary under the temporary lagoon liner?

4. The specifications need to address dewatering the temporary lagoon after completion of the new treatment facility. The wastewater should be pumped into the new facility.

5. The engineer must submit a total of five copies of the plans and specifications for final approval. Both the plans and specifications must be signed by the engineer.

6. Does the O & M manual address operating cycles for the aerators that will help prevent freezing?

7. The regulations require locating the lagoon influent line on the bottom, not buried below the bottom.

8. The plan sheet does not dimension the locations of the floating baffles.

9. What provisions are being made for liner material in the event there is not sufficient quantity or quality material available on site?

10. Northern Engineering and Testing recommended that the soils for the liner be placed at a moisture content of between -1 and +3% of optimum. The specifications allow material to be placed at a moisture content of between -4 and +2% of optimum. Why have you deviated from the recommendation of the soils engineer?

11. Neither the embankment nor the liner specification addresses processing the soils to reduce the moisture content. The soils engineer has identified a problem with excessive moisture in some of the soils that are to be utilized in the construction.

12. The embankment and liner specifications must address maximum allowable size of rocks or material that can be placed.

13. During our preliminary discussions, you stated that an attempt to lower the groundwater in the lagoon area would be made by constructing a drainage trench up-gradient of the lagoon. Has this been done? What are the results?

14. The plans of U.V. disinfection unit and of the U.V. building do not indicate any ventilation for the U.V. unit or the building. The ozone produced by U.V. disinfection is extremely harmful to plastic and rubber materials. These materials experience rapid degradation when exposed to ozone.

15. U.V. disinfection units can produce a great deal of heat during operation. Has the dispersion of heat been taken into account in the design of the building?

16. The specifications need to address a testing program for the lagoon liner. Should the testing program show the lagoon seal to be less effective than required, the seal shall be modified and retested until it succeeds.

There are a couple of things that I believe are normally included in your review that I noted for your consideration:

1. Will we in the Lander office have an opportunity to review and comment on the operation and maintenance manual?

2. Could the U.V. disinfection unit specifications be too restrictive? The unit specified may not be the best available yet the engineer has set up the specifications to make it difficult for other units to compete. I feel that units using teflon tubes may be better than the quartz tube units specified.

JH/jw



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: File

FROM: *AJM* A. J. Mancini

DATE: June 16, 1986

SUBJECT: Ten Sleep Wastewater Treatment Facility, Section 20, T47N, R88W, Wash-
akie Co. (86-154)

As of discussion this date, was determined that one upgradient and at least one downgradient monitor well should be installed. It is assumed that downgradient is towards Tensleep Creek and Nowood River, and upgradient is north and northeast of the lagoon.

The upgradient well should be located away from any influence of potential seepage mounding associated with the lagoon but close enough to the lagoon to represent upgradient conditions (estimate about 200 feet away from the lagoon).

The downgradient well(s) should be west of the lagoon, out of any direct seepage area (estimated about 100-125 feet from the lagoon).

Wells should be installed according to Water Quality Division Rules and Regulations Chapter XI. A monitoring program should be submitted to the Water Quality Division for review.

AJM/nc



Occupational Health and Safety

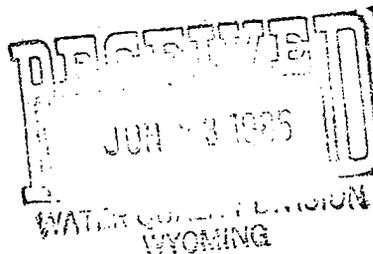
CHEYENNE, WYOMING 82002

June 23, 1986

JAMES ZANCANELLA, PH.D.,
CHAIRMAN
H.B. ANDERSON, M.D.
RON BAGBY
L. KEITH HENNING
FLOYD J. HENRY
JAMES D. NEIMAN, JR.
JENNIE PARKER

DONALD D. OWSLEY
HEALTH AND SAFETY ADMINISTRATOR
(307) 777-7786

Jerry Placzek
DEQ/WQD
Herschler Bldg.
Cheyenne, WY 82002



Dear Jerry:

I have reviewed the waste water treatment facility drawings for the Town of Ten Sleep, EPA - C560159-94, and have the following comments:

In that Federal OSHA does not have jurisdiction for health and safety in Wyoming, the changes should be made as follows:

SPECIFICATIONS

1. Section 2 - General Conditions, item F. - change Williams-Steiger . . of 1970 to "The Wyoming Occupational Health and Safety Act of 1969".
2. Page 19 - Section 2.28 - Para. 1, change Williams-Steiger Act to "Wyoming Occupational Health and Safety Act of 1969".
3. Para. 2, line 3 - change Federal law(s) to "State law(s)".
4. Change Williams-Steiger Act to "Wyoming Occupational Health and Safety Act of 1969".
5. Change Part 1910 etc., to "Wyoming Occupational Health and Safety Rules and Regulations for General Industry".
6. Change Part 1926 etc., to "Wyoming Occupational Health and Safety Rules and Regulations for Construction".
7. Safety & Health Programs - Para. 1, line 2, after "all times governed by" to read "Wyoming Occupational Health and Safety Rules and Regulations for Construction as amended to date".

Jerry Placzek

Page (2)

8. Para. 4, line 4 - after "under the provisions of the" change to read, "Wyoming Occupational Health and Safety Act of 1969".

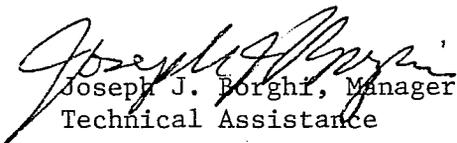
9. Page 3.3, item 3.7, line 2 - change "requirements of the Federal Government" to "requirements of the State agency having jurisdiction".

CONSTRUCTION PRINTS

1. No apparent specifications for FRP ladder in top view of overflow structure, sheet 3 of 5.

I have no further comments. Please call if I can be of further assistance.

Sincerely,


Joseph J. Borghi, Manager
Technical Assistance

JJB:ec

9. Prior to operation of the hydrocarbon recovery system, an approved Operation and Maintenance Manual shall be provided to the Division and to all operators. The O&M Manual shall contain at a minimum a schematic, operations guide, maintenance schedule, trouble shooting guide, discharge requirements and limitations, DEQ contact, provisions in the event of a spill, methods for handling and disposing of gasoline product in a proper manner, and safety requirements.

10. The hydrocarbon recovery system shall be "winterized" to prevent freeze-up and breakdown.

11. A status report shall be provided to the Division on a quarterly basis with reports due by the last day of January, April, July and October. The report shall include at a minimum, volumes pumped of water and hydrocarbon product, downtime and dates, effectiveness of the recovery system, monitoring data for all monitor wells and the recovery well current pumping rate and radius of influence.

12. The NPDES Section of the Division shall be contacted to determine if a discharge permit is required.

13. A grab sample of the wastewater discharge must be taken at least once a month. The sample must be tested for benzene and the results submitted to the NPDES Section within 28 days of sampling. Maximum allowable limit on any single sample is 1.3 ppm benzene.

WATER QUALITY DIVISION
GROUNDWATER SECTION
PERMIT APPLICATION REVIEW

APPLICATION NUMBER 86-155

DATE SUBMITTED FOR REVIEW 9/19/86

NAME AND LOCATION OF FACILITY JOHN O'Brien
Energy Distributing
Box 1340 Casper Wyoming

Location Conoco Butk Worldweld Wyoming
Section 25, T47N, R93W

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 Matt Langefeld

TITLE Groundwater Compliance Specialist

DATE 9/24/86

ACCEPTED FOR RECORD _____
(Date)

John Steuten
Groundwater Control Supervisor
operations

11. A status report shall be provided to the Department on a quarterly basis with reports due by the last day of January, April, July, and October. The report shall include ^{at a minimum} volumes pumped of water and hydrocarbon product, down time and dates, effectiveness of the recovery system, monitoring data for all monitor wells and the recovery well, ^{capacity} pumping rate and radius of influence.

12. The NPDES section of the division shall be contacted to determine if a discharge permit is required.

All of the above permit conditions were discussed with the Regional Manager of Delta. Allan had no problem with any conditions. Please issue a permit to construct as soon as possible. Delta Environmental plans to install the hydrocarbon recovery system sometime in October.

TO; Jeff Hermansky

Through; Jake Strohman

Date; 9/24/86

Subject; Groundwater review of the additional information submitted by Delta Environmental on August 19, 1986 and September 19, 1986 DEQ/WAD Reference # 86-155.

The Groundwater section has completed its review of the application for a hydrocarbon recovery system in Worland Wyoming at the Conoco Bldg. The following should be made conditions of the permit;

1. Once the Hydrocarbon recovery system has been installed, the owner will provide the WDEQ/WAD with a report that details the logs.
2. The results of any analyses conducted on soil or water removed from this recovery system during the lifetime of the facility shall be provided to the Department as soon as they are available.
3. All wells will be abandoned according to procedures specified in Chapter XX, Part G, Section 70 of the Water Quality Department Rules and Regulations.
4. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Department.

5. The issuance of this permit does not relieve the permittee from obligations to complete an extent of Contamination Study and any future remedial actions which may be required.
6. The permittee shall notify the DEQ/WAD 5 days prior to the exact dates of drilling and installation.
7. The permittee shall notify the division of the Name, phone # and address of the on Site operator of the recovery system.
8. ~~The permittee shall operate the recovery system continuously unless DEQ/WAD allows other operations.~~ The Department shall be notified immediately in the event that the Hydrocarbon Recovery system is not ~~operational~~ for more than 24 hours. Measures to keep the system operational and prevent recurrence in the future will be provided to the Department.
9. Prior to operation of the Hydrocarbon recovery system, an approved Operations and Maintenance Manual shall be provided to the Department and to all operators. The ~~Operations~~^{O&M} Manual shall contain at a minimum a schematic, operations Guide, Maintenance schedule, troubleshooting Guide, Discharge requirements and limitations, DEA contact provisions in the event of a spill, methods for handling and disposing of gasoline product in a proper manner, and safety requirements.
10. The Hydrocarbon recovery system shall be "winterized" to prevent freezing and breakdown.

homa

REVIEW OF PLANS AND SPECIFICATIONS

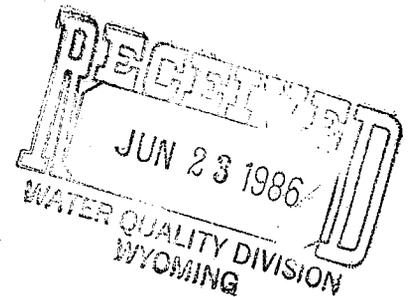
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Gasoline Recovery System for Conoco Bulk Plant

ENGINEER: Ken LaFond
Twin City Testing Corporation
662 Cromwell
St. Paul, MN

OWNER: Energy Distributing Company
ATTN: Robert Cook
P.O. Box 1340
Casper, WY 82602



WATER QUALITY DIVISION REFERENCE NUMBER: 86-155

REVIEWING EVALUATOR: Jeff Hermansky, Matt Langenfeld

DATE OF REVIEW: June 19, 1986

ACTION: Not authorized.

COMMENTS:

This office has completed a review of the proposed gasoline recovery well. Since the proposed well is necessary for collecting information and data to be used in designing a complete recovery system as well as for recovery of gasoline, we are considering the well as a pilot or test well. Therefore, our comments are offered with the intent to review a well that will only be the first phase of a complete recovery system.

Before a permit to construct the test well can be issued, please address the following comments:

1. This office is concerned about your proposal to discharge the water produced by the groundwater depression pump to the City of Worland's sanitary sewer. Since the City's wastewater treatment facility is already overloaded, this office is not permitting any additional industrial discharges at this time, that will increase the loading on the facility.

You may discharge the water produced directly into the storm sewer. Authorization for a surface discharge should be obtained by contacting John Wagner of the Water Quality Division in Cheyenne (777-7082). John will notify you of any requirements or monitoring necessary for the surface discharge.

2. Provisions need to be made for monitoring the explosive characteristics of the waste groundwater prior to discharge.

3. The application form must be signed by the property owner, not by the engineer.

In addition to the comments that need to be addressed prior to the permitting of the test well, we would like to address concerns that we will have regarding a complete recovery system. Insufficient information is available to determine if the proposed recovery well is designed properly, located properly, or whether one well is enough to control or recover the hydrocarbon product layer. The following information will be necessary prior to the issuance of an additional permit to construct a complete hydrocarbon recovery system at the Conoco Bulk Plant in Worland, Wyoming:

1. the estimated area of influence and estimated depth of drawdown of the water table including gpm;
2. information to identify that one hydrocarbon recovery well will be enough to remove the existing product layer which is known to exist at least 100 feet to the southwest of the proposed location of the hydrocarbon recovery well site;
3. information to indicate that the proposed location of the hydrocarbon recovery system is far enough ahead of the plume of liquid hydrocarbon to be effective;
4. delineation of the liquid hydrocarbon product layer, extent of contamination water quality, the complete results and report of the recent geohydrologic study and analytical results;
5. the lowest and highest expected groundwater level below the surface;
6. information to indicate that lowering the water table and subsequent further contamination of the vadose zone will not be significant.

Although the proposed test well may be integrated into a comprehensive recovery system, please understand that we feel the proposed well is only a start at complete recovery. Ultimately, the contamination that has originated from Conoco Bulk must be cleaned up to meet the intent of the Water Quality Division regulations.

Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

JH/jw

cc: Jake Strohman, DEQ/WQD, Cheyenne
John Wagner, DEQ/WQD, Cheyenne
Robert Shelton, City of Worland, Engineer
Johnny Miller, City of Worland, Public Works Director
File (2)

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 86-156
SEE CONDITIONS ATTACHED

A. S. Cellars A & B Battery
(Name of Facility)

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

Texaco, Inc.

P.O. Box 3360

Casper, WY 82602

to construct, install, or modify a road dust control facility according to the procedures and conditions of the application No. 86-156. The facility is located in NE1/4 SE1/4 Section 14, T44N, R82W in the County of Johnson, in the State of Wyoming. This permit shall be effective for a period of one (1) year (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.

This permit authorizes you to dispose of 12,600 gallons of treater sludge on the adjoining 3 miles of road, a total liquid application of less than 0.10 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 86-156

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, 2161 Coffeen Avenue, Sheridan, Wyoming 82801, phone number 672-6457, to arrange a field inspection prior to initiation of work. The District engineer should be notified at least 48 hours in advance of discharges and must be informed how much wastewater will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
5. Waste oil will be disked into the road surface after application.

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 86-157
SEE CONDITIONS ATTACHED

Govt. Brannon Harris A & B Battery
(Name of Facility)

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

Texaco, Inc.

P.O. Box 3360

Casper, WY 82602

to construct, install, or modify a road dust control facility according to the procedures and conditions of the application No. 86-157. The facility is located in NE1/4 SW1/4 Section 24, T44N, R82W in the County of Johnson, in the State of Wyoming. This permit shall be effective for a period of one (1) year (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.

This permit authorizes you to dispose of 12,600 gallons of treater sludge on the adjoining 1 mile of road, a total liquid application of 0.20 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 86-157

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, 2161 Coffeen Avenue, Sheridan, Wyoming 82801, phone number 672-6457, to arrange a field inspection prior to initiation of work. The District engineer should be notified at least 48 hours in advance of discharges and must be informed how much wastewater will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
5. Waste oil will be disked into the road surface after application.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 86-158
SEE CONDITIONS ATTACHED

State of Wyoming "G" Battery
(Name of Facility)

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

Texaco, Inc.

P.O. Box 3360

Casper, WY 82602

to construct, install, or modify a road dust control facility according to the procedures and conditions of the application No. 86-158. The facility is located in NE1/4 SW1/4 Section 13, T44N, R82W in the County of Johnson, in the State of Wyoming. This permit shall be effective for a period of one (1) year (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.

This permit authorizes you to dispose of 12,600 gallons of treater sludge on the adjoining 1 mile of road, a total liquid application of 0.20 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 86-158

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, 2161 Coffeen Avenue, Sheridan, Wyoming 82801, phone number 672-6457, to arrange a field inspection prior to initiation of work. The District engineer should be notified at least 48 hours in advance of discharges and must be informed how much wastewater will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
5. Waste oil will be disked into the road surface after application.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 86-159
SEE CONDITIONS ATTACHED

North Fork Govt. Taylor (NCT-1) Battery
(Name of Facility)

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

Texaco, Inc.

P.O. Box 3360

Casper, WY 82602

to construct, install, or modify a road dust control facility according to the procedures and conditions of the application No. 86-159. The facility is located in SE1/4 NE1/4 Section 24, T44N, R82W in the County of Johnson, in the State of Wyoming. This permit shall be effective for a period of one (1) year (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.

This permit authorizes you to dispose of 21,000 gallons of treater sludge on the adjoining 2 miles of road, a total liquid application of less than 0.20 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 86-159

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, 2161 Coffeen Avenue, Sheridan, Wyoming 82801, phone number 672-6457, to arrange a field inspection prior to initiation of work. The District engineer should be notified at least 48 hours in advance of discharges and must be informed how much wastewater will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
5. Waste oil will be disked into the road surface after application.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 86-160
SEE CONDITIONS ATTACHED

Dugout Creek, Shannon Sant Unit, Battery #1 and #3
(Name of Facility)

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

Texaco, Inc.

P.O. Box 3360

Casper, WY 82602

to construct, install, or modify a road dust control facility according to the procedures and conditions of the application No. 86-160. The facility is located in Sections 32, 33, 34, 35, and 36, T42N and T43N, R80W in the County of Johnson, in the State of Wyoming. This permit shall be effective for a period of one (1) year (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.

This permit authorizes you to dispose of 31,500 gallons of treater sludge on the adjoining 25 miles of road, a total liquid application of less than 0.10 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 86-160

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, 2161 Coffeen Avenue, Sheridan, Wyoming 82801, phone number 672-6457, to arrange a field inspection prior to initiation of work. The District engineer should be notified at least 48 hours in advance of discharges and must be informed how much wastewater will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
5. Waste oil will be disked into the road surface after application.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 86-161
SEE CONDITIONS ATTACHED

E. C. Stevenson NCT-3 Battery
(Name of Facility)

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

Texaco, Inc.

P.O. Box 3360

Casper, WY 82602

to construct, install, or modify a road dust control facility according to the procedures and conditions of the application No. 86-161. The facility is located in NE1/4 SW1/4 Section 17, T49N, R68W in the County of Crook, in the State of Wyoming. This permit shall be effective for a period of one (1) year (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.

This permit authorizes you to dispose of 42,000 gallons of treater sludge on the adjoining 15 miles of road, a total liquid application of less than 0.10 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 86-161

1. Wastewater shall be applied at a rate which will not produce runoff or ponding. Application shall not be initiated during the spring runoff period or other periods where saturated soil conditions exist.
2. The application site slope shall not exceed 8% for vehicular application or 15% for spray irrigation or irrigation by gated pipe on the contour. Vegetated areas of the site shall not be spray-irrigated where possible plant leaf injury may result from salt residue.
3. Wastewater application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
4. The permittee will contact the Department of Environmental Quality, Water Quality Division District Engineer, 2161 Coffeen Avenue, Sheridan, Wyoming 82801, phone number 672-6457, to arrange a field inspection prior to initiation of work. The District engineer should be notified at least 48 hours in advance of discharges and must be informed how much wastewater will be applied (number of truckloads), the specific site of application (to the nearest 1/4 section) and time of application.
5. Waste oil will be disked into the road surface after application.



Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 27, 1986

CERTIFIED

Captain Gregory J Cordes
Base Contracting Division
Building 208
FE Warren AFB, WY 82005-5320

RE: Construction permit 86-162RR, Family Housing Unit

Dear Captain Cordes:

The Water Quality Division has received an anonymous complaint concerning the potable water mains being installed for the 265 Family Housing Unit project (construction permit 86-162RR). A person has witnessed the water mains being installed without any thrust blocking being installed at corners, tees, valves, etc. This letter is to request that you certify in writing to the Water Quality Division that thrust blocking was or was not installed as required in construction permit 86-162RR.

Another requirement of construction permit 86-162RR, paragraph 6, is that you notify the Water Quality Division the day construction commences. The Water Quality Division never received notification concerning construction which is to allow us the opportunity to perform inspections.

Please respond within 20 days concerning the above items.

Sincerely,

A handwritten signature in cursive script that reads "Thomas S. Norman".

Thomas S. Norman
Southeast District Supervisor

TSN/pjb

cc: Bill Metz, FE Warren AFB, WY

8-11-86

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 86-162RR

F.E. Warren AFB, 265 Family Housing Unit
(Name of Facility)

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

Capt. Gregory J. Cordes

F.E. Warren AFB

Base Contracting Division, Bldg. 208

F.E. Warren AFB, WY 82005

to construct, install, or modify a municipal water distribution and wastewater collection facility according to the procedures and conditions of the application No. 86-162RR. The facility is located in Section 35, T14N, R67W 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.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Building, 4 West, 122 West 25th
Cheyenne, Wyoming 82002

PROJECT: F E Warren AFB, Housing Unit

ARCHITECT OR ENGINEER: William Fowler, Spectrum Land Planning
5775 Los Angeles Ave, St 210, Simi Valley, CA 93063

APPLICANT: Gregory J. Cordes, Capt, Base Contracting Division
Building 208, FE Warren AFB, 82005-5320

WATER QUALITY DIVISION REFERENCE NUMBER: 86-162R

REVIEWING ENGINEER: Thomas S. Norman, Southeast District Supervisor *TSN*

DATE OF REVIEW: July 10, 1986

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Your latest resubmittal of the specifications was only in single copy. Three copies are required.
2. The water meter vault does not show any mechanism for draining it. Drainage must be provided by either draining to daylight, a sump for pumping, or a sub-surface drainage pit if groundwater is not a problem.
3. The 1" - 2" water lines which service the housing units are considered water mains by the department. These lines have deadends and therefore a blowoff is required.

pjb

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Building, 4 West, 122 West 25th
Cheyenne, Wyoming 82002

PROJECT: F. E. Warren AFB, 265 Family Housing Units, Laramie Co.

ARCHITECT OR ENGINEER: William Fowler
Spectrum Land Planning
5775 Los Angeles Ave., Suite 210
Simi Valley, CA 93063

APPLICANT: Gregory J. Cordes, Capt., USAF
Base Contracting Division
Building 208
F.E. Warren AFB, WY 82005-5320

WATER QUALITY DIVISION REFERENCE NUMBER: 86-162

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

DATE OF REVIEW: June 6, 1986

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Sewer

- 1. Deflection tests were not specified.
- 2. We do not have HUD publication 4940.3 to determine if the exfiltration/infiltration leakage tests are compatible with our requirements.

Water

- 1. A pressure class was not specified for the water main laterals (ASTM D 1785).
- 2. The specification call for a master water meter but a location and detail were not provided.
- 3. A detail was not provided on the air relief valve.
- 4. The water main laterals need a blow-off at the dead ends for flushing, pressure testing, disinfection, and maintenance purposes.

TSN/nc

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 86-163

WYODAK MINE GENERAL SEDIMENTATION FACILITIES
(Name of Facility)

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

Wyodak Resources Development Corporation

RR 81 Box G 90

Gillette, Wyoming 82716

to construct, install, or modify a sedimentation control structures facility according to the procedures and conditions of the application No. 86-163. The facility is located in Sections 15, 20, 21, 22, 27, 28, 29, 32, 33, 34, T.50N., R.71W., in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 86-164R
SEE CONDITION ON BACK

Kountry Kids
(Name of Facility)

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

Bob Adams

Route 1, Box 52

Torrington, WY 82240

to construct, install, or modify a commercial subsurface wastewater treatment and disposal system facility according to the procedures and conditions of the application No. 86-164R. The facility is located in SE1/4 Section 24, T24N, R61W 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.

Run

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 86-165R
SEE SPECIAL CONDITIONS

Little America Service Station
(Name of Facility)

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

Holding Little America

P O Box 1529

Cheyenne, WY 82003-1529

to construct, install, or modify a subsurface hydrocarbon recovery well facility according to the procedures and conditions of the application No. 86-165R. The facility is located in S2, T13N, R67W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of 90 days (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.

3. Depending upon interpretation of the quarterly monitoring data by the Water Quality Division, the applicant may be required to extend the hydrocarbon investigation study and any associated hydrocarbon removal system beyond the existing limits of this authorized system. Additionally, the list of monitoring parameters may be modified to reflect sampling results.
4. The Department of Environmental Quality, Water Quality Division shall be contacted prior to commencement of construction.
5. The permittee shall submit a plan, outlining restoration of the drainage ditch within 90 days of issuance of this permit.

cc: Raymond J. Stillwell
Sinclair Marketing, Inc.
550 East South Temple
Salt Lake City, UT 84131

Paul Jenkins
Sinclair Marketing
750 W Hampden Avenue
P O Box 1077
Englewood, CO 80150

Jim Geotz
Groundwater Technology
6879 South Emporia, Suite 4
Englewood, CO 80112

Thomas S. Norman, SE District Supervisor, WQD

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 86-166R

BLACK THUNDER MINE 26-SR-1 RESERVOIR
(Name of Facility)

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

Thunder Basin Coal Company

P.O. Box 406

Wright, Wyoming 82732

to construct, install, or modify a flood control and sedimentation facility according to the procedures and conditions of the application No. 86-166R. The facility is located in Section 26, T.43N., R.70W., in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

NORMA



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

MEMORANDUM

TO: Bob Giurgevich, LQD Sheridan District Supervisor
FROM: Susan Fields, WQD Environmental Engineer
DATE: July 17, 1986
SUBJECT: WQD Review of Black Thunder Reservoir 26-SR-1
WQD Reference 86-166

The following comments are provided:

- 1.) The design has been reviewed for the settleable solids criteria and meets all Water Quality requirements.
- 2.) A method of flow measurement must be provided since the outfall will be identified as an NPDES point. A weir in the channel downstream of the discharge pipe would probably be best.
- 3.) There is a discrepancy between the design storm used (2.22 inches) and the 10-year, 24-hour value stated in the NPDES permit (2.8 inches). This should be rectified with this application. I understand that Thunder Basin Coal Company has approached John Wagner regarding this matter. I concur that the approximate value should be 2.22 inches.

I apologize for the delay in this review. It has taken a while to work out the bugs in the SEDIMOT II program. Hopefully future reviews will go more smoothly.

We will need two more copies of the plans for final approval.

I telephoned Jim Schrack today to discuss our comments and told him they would be incorporated with your review.

PERMIT TO CONSTRUCT

Permit No. 86-167
Ref. No. 78-27R

- New
- Renewal
- Modified

Shirley Basin Mine Sedimentation Pond 7W1
(Name of Facility)

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

Shirley Basin Mine

Shirley Basin, WY 82615

to construct, install, or modify a sedimentation control pond facility according to the procedures and conditions of the application No. 86-167. The facility is located in Section 25, T28N, R78W 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.

PERMIT TO CONSTRUCT

Permit No. 86-168
Ref. No. 78-19R

- New
- Renewal
- Modified

Shirley Basin Mine Sedimentation Pond 7W6
(Name of Facility)

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

Shirley Basin Mine

Shirley Basin, WY 82615

to construct, install, or modify a sedimentation control pond facility according to the procedures and conditions of the application No. 86-168. The facility is located in Section 26, T28N, R78W 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.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Thermopolis Volunteer Fire Department Training Field

ENGINEER: Albert Lambiase
P.O. Box 1250
Thermopolis, WY 82443

OWNER: Thermopolis Volunteer Fire Department
P.O. Box 629
Thermopolis, WY 82443

WATER QUALITY DIVISION REFERENCE NUMBER: 86-169

REVIEWING ENGINEER: Jeff Hermansky

DATE OF REVIEW: June 11, 1986

ACTION: Not authorized.

COMMENTS:

The following questions and comments need to be addressed before a permit to construct can be issued:

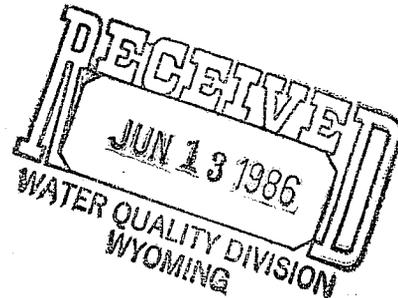
1. The plan view of the water line on sheet 1 of 8 shows a "long radius curve" in the 8" water line in the vicinity of the southern 30 foot access gate. Such a proposed curve appears to be far in excess of the allowable deflection/bending radius for the pipe.

2. The plan sheet for the water distribution system need to include the items required by Section 7(c)(i) and (ii), Chapter XII of the Water Quality Rules and Regulations. Specifically, include the location and size of all water lines, valves, thrust blocking, and other appurtenances. Locations can be shown by stationing of the water lines.

3. The 4 inch diameter water supply line to the draft pit must be protected with a double check valve.

Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

JH/jw



9-24-86



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

September 24, 1986

Mr. Bill Gorham
Automatic Gas Distributors, Inc.
P.O. Box 5820 TA
Denver, CO 80155-4197

RE: Gillette Kwick Shop #282 Groundwater Monitoring Wells. DEQ/WQD Ref.
No. 86-171

Dear Mr. Gorham:

Your submittal for the 4 observations at the Kwick Shop site in Gillette (DEQ/WQD Ref. No. 86-171) has been reviewed and are hereby accepted for the record with the following conditions:

These wells were installed for the purpose of defining and monitoring groundwater contamination by hydrocarbons. Depending upon interpretation of the monitoring data by the Water Quality Division, the facility may require further definition on the extent of contamination and continued monitoring. All analyses from these monitor wells shall be provided to the department.

Since the wells have already been installed, a permit to construct cannot be issued. However, this letter of approval shall essentially serve the same purpose.

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

Sincerely,

William L. Garland
Administrator

WLG/MML/nc

cc: Ms. Maeve Morgan, Tri Hydro Corp, 410 Grand Ave, Suite 213, Laramie, WY 82070
Jake Strohmman
Matt Langenfeld

7-29-86



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

July 28, 1986

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

RE: Casper, Wyoming, Joint Powers Board No. 2, Evansville Pump Station
Connection, EPA Grant No. C560230-01, DEQ/WQD Ref. No. 86-172

Dear Mr. Engels:

This office has received and reviewed addendum number 1 to the subject plans and specifications. Addendum #1 is hereby authorized. This authorization is not a commitment for additional federal funding. A copy of the authorized addendum is forwarded herewith.

Sincerely,

Alan Edwards

Alan Edwards
Engineering/Grants Evaluator

AE/nc
Enclosures

cc: Randy Fultz, HNTB, Casper (w/encl)
EPA, Region VIII, Denver
Grant File (w/encl)
Archives (w/encl)

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 86-172
C560230

Evansville Pump Station Connection MCE 85-1
(Name of Facility)

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

City of Casper/Natrona County Joint Powers Board No. 2

200 North David Street

Casper, WY 82601

to construct, install, or modify a municipal wastewater force main and lift station modifications facility according to the procedures and conditions of the application No. 86-172. The facility is located in S36/T34N/R79W and S1/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.

Norma

REVIEW OF PLANS AND SPECIFICATIONS

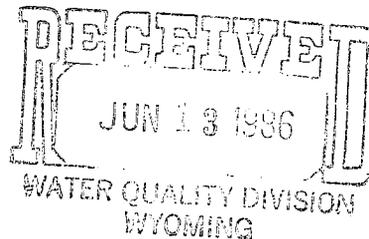
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Buffalo Bill Power Plant Holding Tank

ENGINEER: U.S. Bureau of Reclamation Engineering
and Research Center
Denver Federal Center
Denver, CO 80225

OWNER: U.S. Bureau of Reclamation
P.O. Box 2806
Cody, WY 82414



WATER QUALITY DIVISION REFERENCE NUMBER: 86-173

REVIEWING ENGINEER: Jeff Hermansky

DATE OF REVIEW: June 12, 1986

ACTION: Not authorized.

COMMENTS:

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

1. Holding tanks can be permitted for year round use only when alternative sewage disposal systems are unavailable due to site constraints. Please document why your application is for a holding tank rather than a conventional system.

2. Please submit a site plan that locates the holding tank in relation to the other important features on the site. The holding tank must meet the following minimum separation distances:

Wells	50 feet
Property Lines	10 feet
Building Foundation	5 feet
Potable Water Pipes	25 feet
Body of Water	50 feet

3. How do you expect the operators to remember that the holding tank needs to be filled in the event of a flood or a high groundwater episode? How will they know there is a high groundwater episode?

4. Why hasn't the holding tank been located to avoid flooding and high groundwater problems?

5. Please submit a total of 4 copies of all information. We need to give Park County a copy of the plans and specifications.

Feel free to contact either Steven Gerber or me if you have any questions.

JH/jw
cc: Tim Morrison. Park County



Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: File

FROM: *ajm* A.J. Mancini

DATE: August 12, 1986

SUBJECT: Comments provided to Jeff Hermansky (WQD, Lander) by telephone concerning proposed conditions to permit to construct 86-174, Holly Sugar Corporation, Lime Pond Expansion

On this date discussed proposed conditions with Jeff Hermansky. I suggested the following conditions based on groundwater concerns.

1. Holly Sugar should submit a proposal for a groundwater (subsurface) study of the area of the lime ponds, looking at all potential sources of groundwater contamination.
2. After obtaining Water Quality Division's concurrence, Holly Sugar should implement and complete the groundwater study.
3. Holly Sugar should submit a report to the Water Quality Division. The report should include the results of the study and plans for a monitoring program: locations, depths, construction details of wells to determine extent of contamination (upgradient wells are required to establish background conditions); sampling parameters and frequency.
4. After WQD has had time to review the report, Holly Sugar and WQD should meet to discuss the report, resolve differences (if any).
5. Holly Sugar should then install monitor wells (permitted) and begin sample collection.
6. Holly Sugar should submit a proposed time schedule to accomplish items 1 through 5.

The groundwater (subsurface) study at this time would cover only the area which includes the lime ponds and associated operations. The study could be expanded later, if necessary, to cover the entire facility area. (Jeff reminded me that Jake Strohman had said the study would cover only the lime ponds.)

pjb

Norma

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Holly Sugar Corporation Lime Pond Expansion

ENGINEER: Sid Win
Holly Sugar Corporation
P.O. Box 1052
Colorado Springs, CO 80901

OWNER: Holly Sugar Corporation
ATTN: Bob Strickland
P.O. Box 1052
Colorado Springs, CO 80901



WATER QUALITY DIVISION REFERENCE NUMBER: 86-174

REVIEWING ENGINEER: Jeff Hermansky

Jeff Hermansky

DATE OF REVIEW: August 1, 1986

ACTION: Not authorized.

COMMENTS:

This office has completed a review of your proposal to raise the dikes of the number 2 lime pond at Holly Sugar's Worland factory.

The plans and specifications for the dike construction appear to meet the minimum standards for compaction, slope, freeboard, etc. However, since the proposed pond and all the ponds operated at the site for many years, have not been designed or constructed with engineered liners, we feel that it is necessary to determine if there has been or could be an impact to the groundwater in the area.

Therefore, before we can issue a permit to raise lime pond number 2 we must have a written proposal for a comprehensive groundwater monitoring program for the entire Holly Sugar facility. This program must be acceptable to the Groundwater Section of the Water Quality Division. Please contact either Tony Mancini at 777-7095 or Jake Strohman at 777-7090 for information on what the monitoring program must entail.

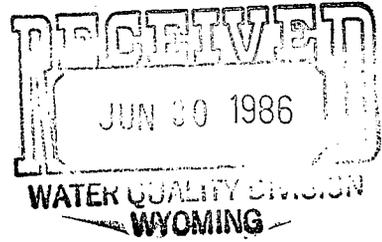
Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

JH/jw
cc: Jake Strohman, DEQ/WQD, Cheyenne
Tony Mancini, DEQ/WQD, Cheyenne

Kowas

MEMORANDUM

TO: Jake Strohman, Larry Robinson and Tony Mancini
FROM: Jeff Hermansky *Jeff*
SUBJECT: Holly Sugar Lime Pond, 86-174
DATED: June 27, 1986



Please note the enclosed review letter from Tony Mancini regarding the construction of a new lime pond at the Holly Sugar facility in Worland.

Tony recommends that we condition the permit to construct a new lime pond with the requirement that Holly devise a monitoring program and monitoring wells at the facility. My question is, should we permit and condition now or only permit after we received a satisfactory monitoring plan? If we require a monitoring plan, should it include only the lime pond area or the entire Holly Sugar complex?

I would also like to point out that Tony's statement, "This monitoring program is to be submitted even if the proposed pond construction does not take place," would be an inconsistent requirement if we don't require the same of all sugar factories in Wyoming. Furthermore, if monitoring is to be required as an independent program, don't you want groundwater to take the lead and issue any permit?

Please respond as soon as possible so I can either permit the facility or complete a review.

JH/jw
cc: Plans (2)
Chrono



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Jeff Hermansky
FROM: *AJM* A. J. Mancini
DATE: June 16, 1986
SUBJECT: Holly Sugar Lime Pond, S36, T47N, R93W, Washakie Co., 86-174

The material forwarded to me for review did not include the Water Quality Division application form.

Even though the "stairstepping" approach for waste lime disposal has been used for years and has been authorized in the past, we have a concern about potential impacts to groundwater resulting from Holly Sugar's entire operations.

There is no available information which indicates that Holly Sugar has any kind of groundwater monitoring program in effect at present. We believe Holly Sugar should devise a monitoring program and install monitor wells to determine if there is an impact from any pond or operation of the Holly Sugar facility. A condition should be placed on the permit for Holly Sugar to submit to Water Quality Division within 60 days a groundwater monitoring program for the entire facility, including monitor well locations and construction and a proposed date to commence well installation. This monitoring program is to be submitted even if the proposed pond construction does not take place.

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 86-176RR
* CONDITIONS ON PERMIT *

Carter Creek Gas Plant Permanent Waste Storage Facility
(Name of Facility)

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

Chevron USA, Inc.
P.O. Box 599
Denver, CO 80201

to construct, install, or modify a non-hazardous waste storage facility at the

Carter Creek Gas Plant

facility according to the procedures and conditions of the

application No. 86-176RR. The facility is located in

Sec. 6, T18N, R119W

in the County of Uinta,

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

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

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

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

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

Nowva

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

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

PROJECT: Chevron Carter Creek Permanent Waste Storage Facility

ENGINEER: Charles Logie
Dames & Moore
1626 Cole Boulevard
Golden, CO 80401

OWNER: Chevron USA, Inc.
P.O. Box 599
Denver, CO 80201

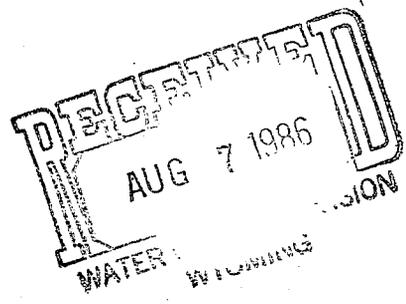
WATER QUALITY DIVISION REFERENCE NUMBER: 86-176

REVIEWING ENGINEER: *BL* Bill Locke, P.E., Kate Laudon

DATE OF REVIEW: August 4, 1986

ACTION: Not authorized.

COMMENTS:



A preliminary review of the above referenced project has been completed by this department. The following item must be resolved before a permit to construct will be issued:

1. All plan sheets and the first page of the engineering report should be stamped or signed by the professional engineer.
2. The "Preliminary Not For Construction" stamp should not be present on plans to be permitted.
3. Please verify that vertical and horizontal separation distances between water and sewer lines are in accordance with Water Quality Rules and Regulations.
4. The plan proposes to drain leachate to an existing retention pond northeast of the proposed facility. Leachate from the proposed hazardous waste pond could be classified as hazardous. Therefore, the integrity of the existing retention pond should be well defined as well as the gravity flow lines that will carry the leachate to this pond. Is the leachate compatible with this pond liner? This pond should be equipped with a leak detection system and be monitored similar to the proposed ponds.
5. In the case of leak, the DEQ/Water Quality Division office should be notified immediately.
6. The operations section of the submittal does not address all waste streams which could be stored in this facility. A waste management plan for the gas plant would be helpful describing how each waste stream generated at the plant will be handled. For example, how will non-process related waste streams be handled at the

site, such as cleaning caustics or acids, solvents, paints, thinners, etc., used in the everyday maintenance of the gas plant.

7. A maximum storage time is not identified.

8. No chemical compatibility testing is proposed. At a minimum, the design engineer should look at the characterization data for wastes proposed to be stored in the facility to insure liner integrity can be maintained throughout the life of the storage facility. The same may be a concern for the drainage net and geotextile.

9. The report did not include a design analysis indicating that the weight of the protective cover, waste and equipment working the waste will not crush the leachate collection piping and/or effect the performance of the drainage net.

10. A record of the wastes deposited in the storage facility for a given time period should be kept.

11. A construction quality assurance program needs to be drafted and implemented during construction.

12. The construction plans propose to use 40 mil HDPE on the inside and outside of the leachate collection sump. What kind of durability can be expected if this outside liner is left exposed to the sun and the elements? There doesn't appear to be any anchoring details given on the attaching of the 40 mil HDPE to the sump.

Please resubmit the required information to this office in triplicate. Be sure to include the Water Quality Reference Number that appears on this review sheet in a cover letter or transmittal sheet. Should you have any questions or comments, please contact this office.

BL/jw

7/29/86

Send plans
back to
Lander

WATER QUALITY DIVISION
GROUNDWATER SECTION
PERMIT APPLICATION REVIEW

APPLICATION NUMBER 86-176

DATE SUBMITTED FOR REVIEW 6-10-86

NAME AND LOCATION OF FACILITY Carter Creek Gas Plant
Permanent Waste Storage Facility
Sec 6 T18N R119W
Winda

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 Kate Lander
TITLE Engineer Eval.
DATE 7-28-86

ACCEPTED FOR RECORD 7-28-86
(Date)

[Signature]
Groundwater Control Supervisor



Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: Bill Locke, Southwest District Area Engineer

FROM: Kate Laudon, Groundwater Engineer Evaluator *KGL*

DATE: July 28, 1986

SUBJECT: Groundwater Review, Carter Creek Gas Plant Permanent Waste Storage Facility, WQD Ref. No. 86-176

Chevron has applied for a permit to construct a permanent waste storage facility at the Carter Creek Gas Plant located in Section 6, T18N, R119W, in Uinta County. The facility is designed for temporary holding and layover of wastes generated from the periodic removal of industrial solid wastes and sludges from plant process vessels, tanks and ponds. The permanent storage facility will replace the temporary waste storage facility which was constructed in 1984 (WQD reference number 84-226R).

Since the facility will be double-lined with a leak detection system, additional groundwater monitoring will not be required at the site. My only comment concerns the fact that runoff water and leachate will be pumped to the evaporation pond. This pond was not designed to accept that type of waste, so the leachate collection system should be modified.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 86-177RR
SEE CONDITION ON BACK

Afflerback Elementary School
(Name of Facility)

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

Robert Platt

Laramie County School District No. 1

2810 House Ave.

Cheyenne, WY 82001

to construct, install, or modify a municipal water distribution and wastewater collection facility according to the procedures and conditions of the application No. 86-177. The facility is located in Section 17, T13N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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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.

6-11-86

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Building, 4 West, 122 West 25th
Cheyenne, Wyoming 82002

PROJECT: Afflerback Elementary School, Laramie Co.

ARCHITECT OR ENGINEER: Rick Johnston, Gust & Johnston
2232 Del Range, Cheyenne, WY 82009

APPLICANT: Laramie County School District #1, Attn: Robert Platt
2810 House Ave., Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 86-177

REVIEWING ENGINEER: Thomas S. Norman *TSN*

DATE OF REVIEW: June 6, 1986

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. A backflow prevention device is not shown on the fire sprinkler system. A double check valve assembly is required that is approved by the Foundation for Cross-Connection Control.
2. What size water main is being connected to? What are the pressures? What affect will fire flows have on the water main?
3. A letter from the water utility is necessary stating that they can supply the necessary water flows and pressures.

TSN/nc

PERMIT TO CONSTRUCT

New

Permit No. 86-178

Renewal

Modified

SUNDANCE NO. 6 WELL DEVELOPMENT

(Name of Facility)

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

Town of Sundance

P.O. Box 542

Sundance, Wyoming 82729

to construct, install, or modify a water well and meter pit facility according to the procedures and conditions of the application No. 86-178. The facility is located in Section 22, T.51N., R.63W., in the County of Crook, 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.

m - 7/26/86

PERMIT TO CONSTRUCT

New
 Renewal
 Modified

Permit No. 86-179R
Ref. No. 84-524R

* CONDITIONS ON PERMIT *

Thomson Oilfield Wastewater Disposal Facility
(Name of Facility)

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

Richard Thomson
Cora, WY 82925

to construct, install, or modify a two clay lined cells and four subsurface
monitoring wells for the disposal of oilfield waste drilling fluids
facility according to the procedures and conditions of the
application No. 86-179R. The facility is located in
Sec. 20, T35N, R110W
 in the County of Sublette,
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 dur-

WATER QUALITY DIVISION
GROUNDWATER SECTION
PERMIT APPLICATION REVIEW

Plans
returned
to Landier
9-16-86
xc

APPLICATION NUMBER 86-179

DATE SUBMITTED FOR REVIEW 7-31-86

NAME AND LOCATION OF FACILITY Thomson Disposal Pits
Sec 20 T35N R110W
Sublette County

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

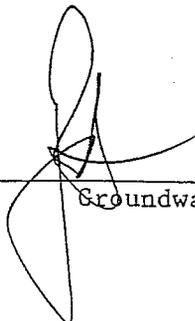
- No comment. The submittal is consistent with current groundwater protection procedures and requirements.
- Comments attached.

SIGNED Kate Landier

TITLE Engineer Evaluator

DATE 9-15-86

ACCEPTED FOR RECORD 9-16-86
(Date)


Groundwater Control Supervisor

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 86-180
SEE CONDITIONS ON BACK

Forgey Construction Co. Septic System
(Name of Facility)

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

Forgey Construction Co. Inc.

P.O. Box 722

Casper, WY 82602

to construct, install, or modify a commercial subsurface wastewater treatment and disposal system facility according to the procedures and conditions of the application No. 86-180. The facility is located in NE SW Section 35, T34N, R80W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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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.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Building, 4 West, 122 West 25th
Cheyenne, Wyoming 82002

PROJECT: Forgey Construction Co., Natrona Co.

ARCHITECT OR ENGINEER: Ed S. Rate, Jr.
P.O. Box 930, Casper, WY 82602

APPLICANT: Forgey Construction Co., Inc.
P.O. Box 722, Casper, WY 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 86-180

REVIEWING ENGINEER: Thomas S. Norman *TBN*

DATE OF REVIEW: June 16, 1986

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. On sheet 1 and 3, the plans state that the septic tank is the owner's option. This is not correct as the septic tank is a requirement.
2. How was the 1200 gpd flow obtained? What is the maximum hourly flow rate?
3. Water lines and wells were not shown.
4. What kind of wastes will be generated?
5. Will any chemicals be stored at the facility?

TSN/nc

PERMIT TO CONSTRUCT

New

Permit No. 86-181R

Renewal

Modified

4th and Curtis Utilities Extension
(Name of Facility)

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

Bob Blake

101 McConnell

Laramie, WY 82070

to construct, install, or modify a municipal water distribution and wastewater collection facility according to the procedures and conditions of the application No. 86-181R. The facility is located in Section 28, T16N, R73W in the County of Albany, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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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.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Building, 4 West, 122 West 25th
Cheyenne, Wyoming 82002

PROJECT: 4th & Curtis Utilities Extension, Laramie Co.

ARCHITECT OR ENGINEER: Lloyd Baker, Gertsch/Baker & Assoc.
P.O. Box 880, Laramie, WY 82070

APPLICANT: Bob Blake
101 McConnell, Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 86-181

REVIEWING ENGINEER: Thomas S. Norman *TSN*

DATE OF REVIEW: 06-16-86

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The Wyoming Public Works Standard Specifications are not a complete set of specifications by themselves. Please submit the additional information that is required as identified in their guideline.
2. In a letter dated January 10, 1986, the City of Laramie was notified that their standard specifications were no longer acceptable to the Water Quality Division and that they must be updated to meet the recent Water Quality Division regulations.

NORMA
86-182



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

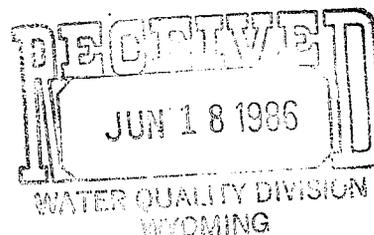
2161 COFFEEN AVENUE,
SUITE 301

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

MEMORANDUM

TO: Greg Smith, Cheyenne DEQ
FROM: Susan Fields, Sheridan WQD
DATE: June 13, 1986
SUBJECT: DEQ/WQD Review of New Sediment Ponds Associated with
North Antelope Mine Permit Renewal Application: Water
Quality Reference No. 86-182.



COMMENTS:

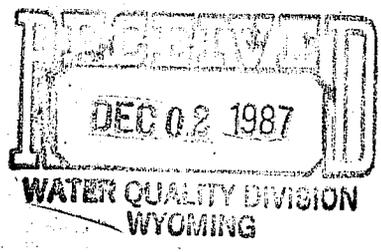
- 1) The application forms must be signed and dated by the applicant.
- 2) The design precipitation used for the 10-year, 24-hour storm is 2.22 inches. The mine's NPDES permit states the sediment facilities shall control runoff resulting from a 2.6 inch storm event. This discrepancy should be resolved with John Wagner, Permits Section in Cheyenne prior to issuance of a Permit to Construct for these reservoirs.
- 3) The permit renewal text states on page 5-16 that during Term 2, pit water will be pumped to 2A and 2B Reservoirs and to Waste Water No. 1 Reservoir. The approved plans for 2B Reservoir (Water Quality Permit No. 85-458) do not include an allocation for pit water. The as-built drawings for 2B Reservoir contained in this submittal indicate a larger reservoir than permitted and also include an allocation for pit water. Calculations should be submitted that demonstrate the allocated storage for pit water will provide adequate detention time.
- 4) 2B Reservoir discharges to the Shop Reservoir, NPDES point 003. Since pit water is planned to be pumped to 2B Reservoir, the 003 point description will have to be amended to include pit water as a source.
- 5) The soil density assumed in the sediment yield calculations should be shown for each reservoir.
- 6) The sediment delivery ratio shown on sheet 2 of 7 for 2C Reservoir appears to be incorrect. A more correct value would yield sediment storage availability for 1-2 years only. The DR value should be corrected and the appropriate years of storage volume changed in the Hydrologic Parameters Table.

norma

POWDER RIVER COAL COMPANY

86-182R

November 19, 1987



Ms. Susan Fields
Northeast District Supervisor
Wyoming Department of Environmental Quality
Water Quality Division
2161 Coffeen - Suite 501
Sheridan, Wyoming 82801

CERTIFIED MAIL #P132251795
RETURN RECEIPT REQUESTED

RE: North Antelope Reservoirs 2C, 2D, 2E, 2F, 2G, 2H, and 2I
Reference No. 86-182

Dear Ms. Fields:

In response to your letter of August 27, 1987, Powder River Coal Company, on behalf of North Antelope Coal Company, withdraws application 86-182. Please proceed with completing the review for 87-305 through 87-309.

Please call if you have any questions.

Sincerely yours,

John A. Nadolski
John A. Nadolski
Senior Hydrologist

JAN/dah

- c: P. Smith
- D. Trueblood
- Reading File
- file (y/ENV/1-3)
- (y/ENV/1-5-228)
- (y/ENV/1-5-229)
- (y/ENV/1-5-230)
- (y/ENV/1-5-231)

PERMIT TO CONSTRUCT

Permit No. 86-183

- New
- Renewal
- Modified

Casper Miscellaneous Watermain Replacements W-86-5
 (Name of Facility)

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

Casper BPU

200 North David

Casper, WY 82601

to construct, install, or modify a municipal water distribution system facility according to the procedures and conditions of the application No. 86-183. The facility is located in Section 2, 3, 9, 10, 11, 15, 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 STATE OF WYOMING

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	Solid Waste Management Program (307) 777-7752	Water Quality Division (307) 777-7781
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March 24, 1989

Town of Torrington
P O Box 250
Torrington, WY 82240

RE: Permit to Construct Application Number 86-184

Dear Sir or Madam:

The Department of Environmental Quality, Water Quality Division, has reviewed your application (#86-184) for a permit to construct a water well replacement well No. 4 for the Town of Torrington at Section 10, T24N, R61W, Goshen County. The Water Quality Division has determined that the system meets the minimum design standards.

Nothing in this letter constitutes an endorsement of the construction or the design of the facility described herein. This letter 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 activities allowed under this letter. 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 letter, the state does not in any way waive its sovereign immunity.

Since your system has already been constructed, a permit to construct cannot be issued. This letter is your record that the replacement well No. 4 as installed meets minimum state specifications and has been approved by the Wyoming Department of Environmental Quality, Water Quality Division.

In the future if you are to build or modify a water or wastewater system, you must apply for a permit to construct prior to construction to avoid enforcement action.

Sincerely,

William L. Garland
Administrator
Water Quality Division

WLG/WK/nc



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: File

FROM: Thomas S. Norman, Southeast District Supervisor *TN*

DATE: July 21, 1986

SUBJECT: Torrington Well #4, WQD Ref. No. 86-184 ✓

The resubmittal on July 15, 1986 states that more information will be coming after the water well has been completed. Therefore the 60 day review period should not start until the other information is received, the applicant is aware that the resubmittal was incomplete.

) pjb

R7



THE STATE OF WYOMING



MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

Administration (307) 777-7937	Air Quality Division (307) 777-7391	Land Quality Division (307) 777-7756	Solid Waste Management Program (307) 777-7752	Water Quality Division (307) 777-7781
----------------------------------	--	---	--	--

March 16, 1987

Town of Torrington
PO Box 250
Torrington, WY 82240

Dear Sir:

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

Facility name:	Torrington Replacement Well No. 4
DEQ/WQD Reference Number:	86-184
Engineering Consultant:	John Baker, Baker, Sweeney & Assoc.
DEQ/WQD Reviewing Engineer:	Thomas S. Norman
Date of DEQ/WQD Review:	March 11, 1987

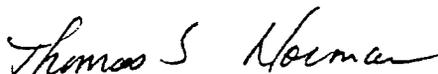
According to Chapter III of the Water Quality Rules and Regulations, Section 7(b)(2), "If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide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

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

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

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

Sincerely,



Thomas S. Norman
Southeast District Supervisor
Water Quality Division

TSN/can

Run

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Building, 4 West, 122 West 25th
Cheyenne, Wyoming 82002

PROJECT: Torrington Replacement Well No. 4, Goshen Co.

ARCHITECT OR ENGINEER: John Baker, Baker, Sweeney & Assoc.
1915 First Avenue, Scottsbluff, NE 69361

APPLICANT: Town of Torrington
P. O. Box 250, Torrington, WY 82240

WATER QUALITY DIVISION REFERENCE NUMBER: 86-184

REVIEWING ENGINEER: Thomas S. Norman TSN

DATE OF REVIEW: July 9, 1986

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Specifications, Section 10 and 16. The current reference date for AWWA A100 is 1984.
2. Specifications, Section A-15, e. If the well is "rawhided" during the pump test, the pump test must be started over.
3. Specifications, Section 21. Only bacterial testing is identified as being analyzed for the well. All primary drinking water standards must be tested.
4. I believe the permit submitted is sufficiently in order to allow you to proceed with drilling the well in order to obtain the additional information (quality and quantity data).

The well test data shall include test pump capacity-head curve, static water level, depth of test pump setting, time of starting and stopping each test cycle, pumping rate, pumping water level, drawdown, water recovery rate and levels.

5. Is there any speculation why the old well failed so as to prevent future problems?

TSN/nc

PERMIT TO CONSTRUCT

New

Permit No. 86-185

Renewal

Modified

Pierce Avenue Sewer
(Name of Facility)

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

Cheyenne Board of Public Utilities

2100 Pioneer Avenue

Cheyenne, WY 82001

to construct, install, or modify a municipal wastewater collection facility according to the procedures and conditions of the application No. 86-185. The facility is located in Sections 26/27, 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.

10-6-86
Sublette



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

*Department of Environmental Quality
Water Quality Division*

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 3, 1986

Mayor Gary Eiden
P.O. Box 4160
Marbleton, WY 83113

RE: Approval of Marbleton, Rip-Rap and Erosion Control Plans, DEQ/WQD Ref.
No. 86-186

Dear Mayor Eiden:

The plans and specifications for the installation of rip rap and erosion control improvements for the referenced project has been reviewed by the Department of Environmental Quality. This office approves the plans and specifications. Because an earlier permit to construct for the wastewater treatment facility identified erosion as an area of concern no new permit will be issued and this letter will serve that purpose. In addition, federal funding for this improvement has yet to be approved by EPA. Therefore, the town should not pursue construction of these improvements until notified of approval of these funds.

The procedure for submission and approval of modifications to the approved plans and specifications is the same as for the original set; i.e., five copies of any proposed modifications, together with an explanation of the reasons therefor should be forwarded to us. Unauthorized modifications of approved sets of plans and specifications may result in suspension of federal participation in the project.

We are sending the approved plans and specifications for the referenced project which must be kept available at all times so that personnel from this office may have access to them during inspection activities.

Sincerely,

William L. Garland
Administrator

WLG/JP/nc

cc: EPA Region VIII
Surveyor Scheibel Ltd.
Loren Leichtnam, DEQ/WQD, Sheridan
Jack Bedessem, DEQ/WQD, Lander
Grant File



Department of Environmental Quality
Water Quality Division

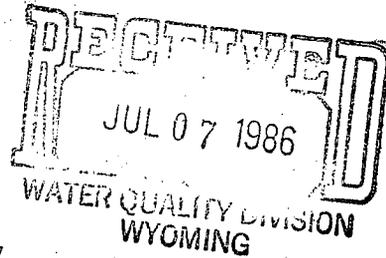
210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

July 2, 1986

Mr. Brian Stout
Bridger-Teton National Forest
P.O. Box 1888
Jackson, WY 83001



RE: Turpin Meadow Trail Head, 86-187

Dear Mr. Stout:

I am returning your plans that you submitted for our review. In this case, the State does not have jurisdiction over the water or sewer systems.

It appears that the ultimate water system for the above referenced project will only have ten water connections. The Department of Environmental Quality does not regulate water systems with less than 20 service connections. Therefore, a review of the water system will not be made. If the system ever expands to over 20 service connections the entire system must at that time be reviewed by our office for compliance with our rules and regulations in effect at that time.

The State has delegated the small wastewater disposal program to Teton County. A "Permit to Construct" must be obtained prior to installing the septic tank and leachfield. However, it must be obtained through Teton County. Contact Dick Worl, Teton County Sanitarian, P.O. Box 1727, Jackson, WY, 83001. His phone number is (307) 733-3959.

If I can be of any further assistance or if you have any questions do not hesitate to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Steven P. Gerber".

Steven P. Gerber, P.E.
Northwest District Supervisor

SPG/jw

cc: Dick Worl, Teton County Sanitarian
Norma Coulson, DEQ/WQD

PERMIT TO CONSTRUCT

Permit No. 86-188

New

Renewal

Modified

Stuckenhoff Sport Shooter's Complex
(Name of Facility)

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

Casper Board of Public Utilities

200 North David

Casper, WY 82601

to construct, install, or modify a municipal water distribution facility according to the procedures and conditions of the application No. 86-188. The facility is located in Section 26, 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.

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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.

PERMIT TO CONSTRUCT

New

Permit No. 86-189

Renewal

Modified

Criminal Investigation Facility
(Name of Facility)

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

State of Wyoming

c/o Ed Samuelson

Room 21, Emerson Bldg.

Cheyenne, WY 82002

to construct, install, or modify a commercial wastewater pretreatment facility according to the procedures and conditions of the application No. 86-189. The facility is located in 2200 Carey Avenue, Lots 5, 6, 7, 8 of Block 205, Section 31, 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.

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 86-190R

TRI-COUNTY ELECTRIC WAREHOUSE
(Name of Facility)

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

Tri-County Electric Association

221 Main Street

Sundance, Wyoming 82729

to construct, install, or modify a small wastewater facility according to the procedures and conditions of the application No. 86-190R. The facility is located in Section 36, T.50N., R.68W., in the County of Crook, 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.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 COFFEEN AVE., SUITE 601
SHERIDAN, WYOMING 82801

PROJECT: Tri-County Electric Warehouse

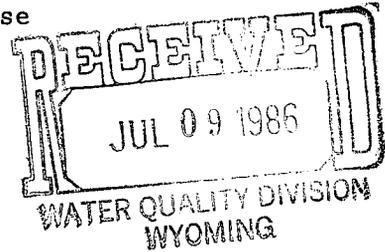
ARCHITECT OR ENGINEER: Ralph Goodson
P.O. Box 130
Sundance, Wyoming 82729

WATER QUALITY DIVISION
REFERENCE NUMBER: 86-190

REVIEWING ENGINEER: Susan Fields *SZ*

DATE OF REVIEW: July 3, 1986

ACTION: Not Authorized



COMMENTS:

- 1) An estimated flow generated from the floor drains is needed. I realize this is difficult, but may be estimated based on a guess of how often the floors will be hosed down and the time it would take to do this.
- 2) Oil and grease from the floor drains may create a problem in the leach field. A large sump should be installed that would collect this water before it is discharged to the septic tank. The sump should be large enough to allow sand and grit to settle and oil and grease to float to the surface. Drawoff for discharge to the septic tank should be below the surface, using an elbow or other device.
- 3) Dimensions of the leach field must be shown on the plans. Include length of lines and separation between trenches. The plot plan should show location of property lines relative to the leach field and septic tank.
- 4) The percolation test data should be submitted.



Nowa
86-191,

ED HERSCHLER
GOVERNOR

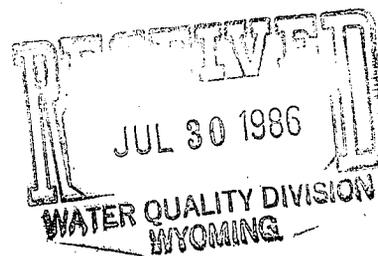
Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

July 23, 1986



Star Valley Ranch Resorts
ATTN: Harold P. Stewart
P.O. Box 635
Thayne, WY 83127

Dear Mr. Stewart:

Your application for the 400,000 Gallon Green Canyon Reservoir (DEQ Permit No. 86-191), is considered inactive under the assumption that you do not wish to proceed with the permit to construct process.

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

Sincerely,

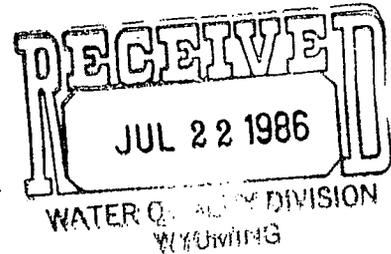
William L. Garland
Administrator

WLG/BL/jw



STAR VALLEY RANCH RESORTS

P.O. Box 635
Thayne, Wyo. 83127
307 883-2670



July 20, 1986

Mr. Jack Bodessem
D.E.Q. 210 Lincoln Street
Lander, Wyoming 82520

Dear Mr. Bodessem:

You have our plans and specifications for construction of a 400,000 gallon steel reservoir near the mouth of Green Canyon at Star Valley Ranch. Estimates from contractors to build the tank are too high.

We have therefore decided to build a reinforced concrete tank and have asked our engineer, Charles V. King, to prepare the design, plans and specifications and forward them to you for approval.

Please discontinue review of steel tank plans previously submitted and disregard our request for permission to build it.

Yours truly,

LEISURE VALLEY, INC.

A handwritten signature in cursive script that reads 'H P Stewart'.

Harold P. Stewart
President

PERMIT TO CONSTRUCT

Permit No. 86-192RR

- New
- Renewal
- Modified

South Torrington Sewage Collection System
(Name of Facility)

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

South Torrington Water and Sewer District

P O Box 606

Torrington, WY 82240

to construct, install, or modify a public owned wastewater collection system and lift station facility according to the procedures and conditions of the application No. 86-192RR. The facility is located in S15, T24N, R61W 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.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Building, 4 West, 122 West 25th
Cheyenne, Wyoming 82002

PROJECT: South Torrington Sewage Collection System

ARCHITECT OR ENGINEER: Wells Engineers, Inc., 1915 Tenth Street
P O Box 554, Gering, NE 69341

APPLICANT: South Torrington Water and Sewer District
P O Box 606, Torrington, WY 82240

WATER QUALITY DIVISION REFERENCE NUMBER: 86-192

REVIEWING ENGINEER: Thomas S. Norman, Southeast District Supervisor *TSN*

DATE OF REVIEW: July 10, 1986

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. A design report was never submitted to evaluate the lift station. The equipment specifications were also not received as identified in your cover letter.
2. It is not acceptable to discharge raw sewage during the construction period.
3. Sewer and water line crossing requirements are not adequately addressed. The plans show crossings when the water lines are less than 18 inches above the sewer. Neither the specifications (Section 2.10) or detail SW-2 address these situations. Each critical crossing on the plans should specifically identify what is to be done in order to maintain protection. This could either be moving the water lines or enclosing one of the lines in a separate conduit.

Detail SW-2 also calls for cast iron pipes but there are not any specifications for cast iron pipe.

4. Sheet 4/8, Line C. The outlet from manhole 15 is lower than the inlet to manhole 14. The invert out elevations on manhole 14 is inconsistent on the plan and profile. The east and west elevations at manhole 14 are also inconsistent on the plan and profile.
5. Sheet 5/8, Line D. The slope from MH 7 to MH 6 is wrong.
6. Sheet 6.8, Line F. The slope from MH 4 to MH 15 is wrong.
7. If any water enters the North Platte River from the dewatering requirements, a discharge permit may be required. Total suspended solids, oil, BOD, etc. may cause a problem. Please contact John Wagner for more information.
8. Specification, Section 2.11. An infiltration test can only be performed if there is two foot of water over the sewer pipe.

Specification, Section 2.06 and 3.06. The specifications should identify how far below the pipe and structures the groundwater must be pumped for proper construction.

pjb

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 86-193

Memorial Hospital Expansion Project
 (Name of Facility)

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

City of Cheyenne

BPU, Water & Sewer Dept.

P.O. Box 1469

Cheyenne, WY 82003

to construct, install, or modify a 8" water line on 23rd and Warren and 12" on 24th St. and replace sanitary sewer on old House Ave. according to the procedures and conditions of the application No. 86-193. The facility is located in Section 31, 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.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 86-194

Elm Crest Village
(Name of Facility)

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

Elm Crest Home Owners Association
c/o Marv Gertsch
1603 Capital #225
Cheyenne, WY 82001

Cheyenne Board of Public Utilities
2100 Pioneer Avenue
Cheyenne, WY 82001

to construct, install, or modify a municipal wastewater collection and water distribution facility according to the procedures and conditions of the application No. 86-194. The facility is located in S 19, 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.

7-14-86

PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 86-195

Alta Vista School Site Improvements
(Name of Facility)

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

Cheyenne Board of Public Utilities

2100 Pioneer

Cheyenne, WY 82001

to construct, install, or modify a municipal water distribution and wastewater collection facility according to the procedures and conditions of the application No. 86-195. The facility is located in S32, 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.

PERMIT TO CONSTRUCT

- New
- Renewal
- Modified

Permit No. 86-196

Hanna 1.0 MG Storage Tank Repairs
(Name of Facility)

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

Town of Hanna

Box 99

Hanna, WY 82327

to construct, install, or modify a sandblast and paint interior of 1.0 MG municipal water storage tank facility according to the procedures and conditions of the application No. 86-196. The facility is located in S17, T22N, R81W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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 STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

August 4, 1986

Robert D. Juve
City of Laramie
P O Box C
Laramie, WY 82070

RE: DEQ/WQD Ref. No. 86-197R

Dear Mr. Juve:

We have completed our review of the Water and Sanitary Sewer Design and Construction Specifications for the City of Laramie 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 Laramie need only refer to the above specifications on the plan sheet and clarify those items that are specific for each construction plan.

Sincerely,

William L. Garland
Administrator

WLG/TSN/pjb

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Building, 4 West, 122 West 25th
Cheyenne, Wyoming 82002

PROJECT: Laramie Standard Specifications for Water Mains and Sanitary Sewers

ARCHITECT OR ENGINEER: R D Juve, City Engineer
P O Box C, Laramie, WY 82070

APPLICANT: City of Laramie
P O Box C, Laramie, WY 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 86-197

REVIEWING ENGINEER: Thomas S. Norman, Southeast District Supervisor

TSN

DATE OF REVIEW: July 10, 1986

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. An application form is required. The attached form should be completed.
2. The 1984 Wyoming Public Works Standard Specifications (WPWSS) are an acceptable reference document. However, the WPWSS authors have indicated that the document is not complete and have identified specific areas that need further information. Please refer to the attachment and address the areas that are identified.
3. The detail for the 1 1/2" - 2" meter setting does not show any drainage for the vault. A drain to daylight, a sump for portable pump, or a subsurface drainage area if groundwater is not present are acceptable methods.

pjb

PERMIT TO CONSTRUCT

- New
 Renewal
 Modified

Permit No. 86-199

Retention Channel
(Name of Facility)

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

Rosebud Coal Sales Company

P O Box 780

Hannae, WY 82327

to construct, install, or modify a sedimentation control channel facility according to the procedures and conditions of the application No. 86-199. The facility is located in S20, T23N, 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.

7-23-86



THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

MEMORANDUM

TO: File Rocky Mountain 1 UCG Test Stearns Catalytic
FROM: Phil Pucel *Phil*
DATE: September 18, 1986
SUBJECT: Groundwater Monitoring Well Permit Application Ref. No. 86-200

As discussed during the meeting of September 16, 1986, DEQ/WQD permits to construct monitoring wells are not required for this project because the DEQ/LQD permitting process is applicable. DEQ/WQD does, however, review the license application for monitor well design, testing, plugging and abandonment; recommendations are made to LQD.

DEQ/WQD permits are required for the construction of domestic wastewater treatment facilities, process water treatment facilities, and sediment control facilities.

PP/nc

cc: Cecilia Masson
Stearns Catalytic
P.O. Box 5888
Denver, CO 80217