S-23

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-201
MA 14689

Fort Bridger South Waterline
(Name of Facility)

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

Bridger Valley Joint Powers Board

P. O. Box 295

Lyman, Wyoming 82937

to construct, install, or modify an extension to existing Bridger Valley water system to serve 20 additional customers facility according to the procedures and conditions of the application No. _____. The facility is located in Sections 4 and 5, T.15N., R.115W. in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of 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-

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

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

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

May 15, 1985
Date of Issuance

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

PERMIT TO CONSTRUCT

/XX/ New

/ / Renewal

/ / Modified

Permit No. 85-202
MA 14542

Pinedale Distribution System Modifications
(Name of Facility)

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

Town of Pinedale

P.O. Box 709

Pinedale, WY 82941

to construct, install, or modify a 6" water mains

facility according to the procedures and conditions of the application No. 85-202. The facility is located in Sec. 3, T33N and Sec. 34, T34N, R109W 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-

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

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

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

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

AUTHORIZED BY:

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

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

William L. Garland
Administrator
Water Quality Division

Robert E. Sundin
Director
Dept. of Environmental Quality

May 13, 1985
Date of Issuance

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

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-203RR
MA 14542

Hartville Water Storage Reservoir
(Name of Facility)

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

Town of Hartville

P.O. Box 56

Hartville, WY 82215

to construct, install, or modify a municipal water storage reservoir (45,000 - 50,000 gallon capacity) facility according to the procedures and conditions of the application No. 85-203RR. The facility is located in Section 12, T27N, R66W in the County of Platte, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

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

William L. Garland
Administrator
Water Quality Division

Robert E. Sundin
Director
Dept. of Environmental Quality

May 28, 1985
Date of Issuance

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

cc: Stephen O. Sandvik
Wells Engineers, Inc.
P.O. Box 554
Gering, NE 69341

5-17-85

Review of Plans and Specifications

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

PROJECT: Hartville Water Storage Reservoir, Platte Co.

ARCHITECT OR ENGINEER: Stephen Sandvik, Wells Engineers, Inc.
P.O. Box 554, Gering, NE 69341

APPLICANT: Town of Hartville
P.O. Box 56, Hartville, WY 82215

WATER QUALITY DIVISION REFERENCE NUMBER: 85-203R

REVIEWING ENGINEER: Thomas S. Norman TSN

DATE OF REVIEW: May 16, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS: Design Report

1. The 3 wells produce a total of 432, 000 gpd which exceeds the future peak day use of 176,700 gpd by a factor of 2.45. I don't understand the necessity of any additional water storage.

   Even with the largest well out of service, the 2 other wells produce a total of 115,200 gpd which exceeds the future average daily use of 72,000 by a factor of 1.6. These two smaller wells can produce 590 gpcd for a population of 195 which under reasonable water usage would exceed even peak day demands.

   The water use rates of 369.1 gpcd for average daily flow and 906 gpcd for peak daily flow are exceedingly high. Typical values for Wyoming are 100-150 gpcd for average flow and 300-350 gpcd for peak daily flow. The Town's values are 3 times higher than these. The water system problem does not appear to be storage capacity but the wasting of water. I think the Town's efforts should be put towards upgrading the distribution system and not on storage based on the data presented.

2. The formula provided for calculating fire flow only yields 0.2 gpm. (G=0.195 (1-0.01X0.195) Is this correct?

3. No data was presented on how the future storage requirement of "102,600 gallons" was obtained.

4. The recommendation that another well is necessary (page V-I) does not appear to be well-founded. Our regulations require that with the largest well out of service, that the remaining wells only need to meet the design average day demand and not the projected peak demand. To recommend another 250 gpm well seems very unreasonable especially in light of the very high usage rates.

   If the existing 250 gpm well went down, the other 2 wells could produce 590 gpcd which should definitely meet the Town's requirements until the well is fixed.

5-2-85

Review of Plans and Specifications

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

PROJECT: Hartville Water Storage Reservoir, Platte Co.

ARCHITECT OR ENGINEER: Stephen Sandvik, Wells Engineers, Inc.
P.O. Box 554, Gering, NE 69341

APPLICANT: Town of Hartville
P.O. Box 56, Hartville, WY 82215

WATER QUALITY DIVISION REFERENCE NUMBER: 85-203

REVIEWING ENGINEER: Thomas S. Norman TSNorman

DATE OF REVIEW: April 30, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. A design report is necessary.

2. As is the case in the design of storage tanks, the actual design is left to the particular manufacturer. The engineer generally just dictates the design conditions. At this point, we do not have adequate information to review the tank to see if it meets the requirements of AWWA D100. Therefore, the Department of Environmental Quality, Water Quality Division, cannot issue a permit until more specific plans and design information is obtained.

   What has worked best is to actually go through the bid process and select a specific manufacturer. Then submit his design information and shop drawings for approval. The plans are required to be signed/sealed by a Wyoming registered professional engineer. I suggest that we resolve these other comments and leave this item to last.

   This same comment applies to the contractor designing the cathotic protection.

3. What is the working capacity of the tank which will provide adequate pressures in Town?

4. What controls will be used to fill and empty the tank?

5. The overflow pipe must be brought down to between 12-24 inches above the ground and onto a splash plate.

6. Security-type fencing is required.

7. Surface runoff must be routed away from the tank.

8. Was there a foundation analysis performed?

9. Enclosed are the regulations on storage tanks.

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-204R
MA 14689

North Casper Improvement Area 1 - LAD 142
(Name of Facility)

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

City of Casper

200 North David

Casper, WY 82601

to construct, install, or modify a public water distribution and sewer collection facility according to the procedures and conditions of the application No. 85-204R. The facility is located in Section 3, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

William L. Garland
Administrator
Water Quality Division

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

Robert E. Sundin
Director
Dept. of Environmental Quality

June 4, 1985
Date of Issuance

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

cc: Phillip R. Stuckert
Buell Winter Mousel & Assoc.
111 W. 2nd St., Suite 108
Casper, WY 82601

5-3-85

Review of Plans and Specifications

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

PROJECT: North Casper Improvement Area 1, Street/Storm Drainage Improvement Project, Natrona Co.

ARCHITECT OR ENGINEER: Philip R. Stuckert, P.E., Buell Winter Mousel & Assoc.
111 W. 2nd St., Suite 108, Casper, WY 82601

APPLICANT: City of Casper
200 North David, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 85-204

REVIEWING ENGINEER: Christian G. Norman

DATE OF REVIEW: April 30, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. No engineering design was submitted. The report should describe the existing conditions, problems, and the proposed solutions for each project. See Chapter XI, Section 6 and Chapter XII, Section G of Water Quality Rules and Regulations for more detail.

2. Fire hydrant on West "G" Street (Drawing No. 8), west of North Center, and fire hydrant on West "K" Street (Drawing No. 9), west of North Center are supplied by 6 inch pipe from 1 direction. In both cases the length of pipe to the hydrant exceeds 250 feet. Chapter XII, Section 14(b) of Water Quality Rules and Regulations require that this length be less than 250 feet or go to an 8 inch pipe.

3. Where the minimum separation between water and sewer mains cannot be maintained, a special note should be made on the plans at these locations. This notifies the contractor that special work is required in the form of replacing the sewer line with water line material as required in the specifications. Five areas were noticed: four along Durbin Street and one at "K" Street and Wolcott Street.

4. Drawing No. 10 - North Center Street and "K", "L" and "M" Streets. Gate valves are not shown on the underground detail.

5. A letter of approval is necessary from the Casper Board of Public Utilities.

6. Section 3.02 of the specifications does not provide adequate detail on how the water lines will be abandoned.

7. On North Center Street between Streets "H" and "J", it is not clear where the water main is to remain and where it is to be abandoned.

8. The bid form calls for sanitary sewer installation but I can't seem to find any on the plans.

9. Vertical thrust blocks are necessary at the tie-ins at Durbin Street and "J" and "K" Streets.

CGN/TSN/nc

5-1-85

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

April 29, 1985

Mr. T. L. Perryman
Chevron U.S.A. Inc.
P.O. Drawer AA
Evanston, WY 82930

RE: Carter Creek Stretford Solution Monitor Wells, DEQ/WQD Permit #85-205

Dear Mr. Perryman:

Enclosed is a signed copy of the permit to construct 4 monitor wells in the vicinity of the Stretford Basins at the Carter Creek Gas Plant. Once the wells have been constructed, please submit a completion report to the Water Quality Division. This report should detail the locations, and final construction details of all the monitor wells.

Thank you for your attention to this matter.

Sincerely,

Katherine J Laudon

Katherine J. Laudon
Groundwater Engineering Evaluator

KJL/nc
Enclosures

cc: Cathy Vukelich, Chevron U.S.A.
Jack Bedessem, DEQ/WQD, Lander

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-205
SEE CONDITIONS ON BACK

Carter Creek Gas Plant
(Name of Facility)

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

Chevron U.S.A. Inc.

P.O. Drawer AA

Evanston, WY 82930

to construct, install, or modify a series of four (4) monitor wells in the vicinity of the Stretford Solution Basins facility according to the procedures and conditions of the application No. 85-205. The facility is located in Section 6, T18N, R119W in the County of Uinta, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Section, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER ★ WILLIAM L. GARLAND ★ STATE OF WYOMING

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

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

Robert E. Sundin
Director
Dept. of Environmental Quality

April 26, 1985
Date of Issuance

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

Conditions to Permit to Construct #85-205

1. Once the wells have been completed, the owner will provide the Wyoming Department of Environmental Quality, Water Quality Division, with a report that details the specifications of the completed wells.

2. All wells will be abandoned according to procedures specified in Chapter XI, Part G, Section 70, of the Wyoming Department of Environmental Quality, Water Quality Division, Rules and Regulations.

3. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Wyoming Department of Environmental Quality, Water Quality Division.

STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

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

November 5, 1985

Don Winter, Larry Winter
Gorge Sand and Gravel
P.O. Box 294
Green River, WY 82935

RE: Sedimentation Ponds "As Built" 85-206R

Gentlemen:

I have reviewed your response to my June 19, 1985 review letter in conjunction with signed Settlement Stipulation and Consent Decree. The "as built" size and construction does not comply with our minimum design standards. Specifically, the embankment construction materials (silty sand and clay) and location are not environmentally or structurally sound.

However, as per our discussion and correspondence, your existing facility can be conditionally accepted on a temporary basis. Retain this letter as verification that the DEQ/Water Quality Division accepts this facility temporarily as per the following conditions:

1. The two existing cells shall be abandoned and reclaimed according to the DEQ/Land Quality Division standards. Reclamation of the existing cells shall be completed by August 31, 1986. Regarding reclamation, contact Steve Garland (DEQ/Land Quality Division), 210 Lincoln Street, Lander, Wyoming, 82520, 307-332-3047.

2. An application for a "Permit to Construct" a new sedimentation facility on the south side of the river shall be submitted to this department by February 1, 1986. An application for a "Permit to Construct" should consist of a completed application form (enclosed), three sets of plans and construction specifications signed by a registered Wyoming Professional Engineer, and an engineering report.

Prior to construction of the new facility a "Permit to Construct" must be obtained from this department. Note that the construction of any wastewater treatment/disposal facility without a permit is in violation of the Wyoming Environmental Quality Act.

Also, find enclosed, a copy of applicable Water Quality Rules and Regulations. With regard to your question about piping specifications, recommend a pressure class pipe material (plastic, steel, ductile iron) with victaulic joints.

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

Sincerely,

Jack Bedessem
Area III Supervisor

JB/jw
copy: John Wagner, DEQ/WQD, Cheyenne
Jake Strohman, DEQ/WQD, Cheyenne
Weldon Calbeck, AG's office, Cheyenne
Steve Garland, DEQ/LQD, Lander
File (2)

RECEIVED
JUN 21 1985
WATER QUALITY DIVISION
WYOMING

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF EVIRONMENTAL QUALITY

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

PROJECT: Gorge Sand and Gravel Evaporative/Containment Pond

ENGINEER: Paul Selsky
Nelson Engineering
P.O. Box 1599
Jackson, WY 83001

OWNER: Don Winter
P.O. Box 290
Green River, WY 82935

WATER QUALITY DIVISION REFERENCE NUMBER: 85-206 (As Built)

REVIEWING EVALUATOR: Jack Bedessem JB

DATE OF REVIEW: June 19, 1985

ACTION: **Not authorized.**

COMMENTS:

The "as built" plans and design information have been reviewed. Before this facility can be accepted by the DEQ/WQD, the following items need to be addressed and/or resolved.

1. Three sets of plans and details signed by a registered Wyoming Professional Engineer need to be included with this application.

2. Inspection by DEQ personnel have indicated that the existing pond is operated as two cells. The diagram submitted indicates only one cell. Clarify.

3. Soils used in constructing the pond bottom and dike cores (not including the liner) shall be relatively incompressible, have a low permeability, and be free from organic material or trash. The soil shall be compacted to insure structural stability.

In at least one instance the embankment was observed to have washed out. Address the structural stability of the loam material used for the embankments.

4. Inner dike slopes shall be sloped between one vertical to four horizontal and one vertical to three horizontal. Flatter inner slopes may be allowed where vegetation due to the shallower slopes will not interfere with treatment or the dike's integrity. Interior slopes surfaced with concrete paving or riprap may be constructed at slopes of one vertical to two horizontal.

AC

5. Outer dike slopes shall not be steeper than one vertical to two horizontal. Flatter slopes may be required to maintain slope stability. With the proximity of these ponds to the Green River, embankment stability is a major concern. It is recommended that the outer slopes be flattened to at least 1V:3H and vegetated, riprapped or gravelled (coarse) to prevent erosion.

6. The minimum top dike width shall be eight feet to permit access of maintenance vehicles. Top dikes wider than eight feet shall be required when necessary to assure structural stability.

The diagram indicates the top dike width to be 10 feet. Inspections by DEQ personnel indicate the top dike widths are approximately 4-5 feet.

7. For ponds less than two acres a minimum freeboard of two feet needs to be provided. The plans and details should indicate the maximum high water level.

8. Address in detail, a plan to operate and maintain the integrity of the ponds (i.e. below high water level, prevent discharges, minimize interior and exterior erosion, sediment removal, etc.). It is recommended that a staff gauge be located in the pond to indicate maximum sediment and high water levels.

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

JB/jw

5-2-85
picked up

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

April 29, 1985

Mr. Gary Papek
Union Pacific Railroad Co.
1416 Dodge St.
Omaha, NE 68179

RE: Cheyenne, Wyoming Land Application Facility Monitor Wells, DEQ/WQD #85-207

Dear Mr. Papek:

Enclosed is a signed copy of the permit to construct 6 monitor wells. Once the wells have been constructed, please submit a completion report to the Water Quality Division. This report should detail the locations, and final construction details of all the monitor wells.

Thank you for your attention to this matter.

Sincerely,

Katherine J Laudon

Katherine J. Laudon
Groundwater Engineering Evaluator

KJL/nc
Enclosures

cc: John Hawley, Chen & Assoc., 96 South Zuni, Denver, CO 80223
E. J. Fanning, DEQ/WQD, Cheyenne
LeRoy Feusner, DEQ/WQD, Cheyenne

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-207
SEE CONDITIONS ON BACK

Union Pacific Land Application Facility
(Name of Facility)

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

Union Pacific Railroad Co.

1416 Dodge St.

Omaha, NE 68179

to construct, install, or modify a set of six (6) groundwater observation wells according to the procedures and conditions of the application No. 85-207. The facility is located in Section 1, T13N, R67W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

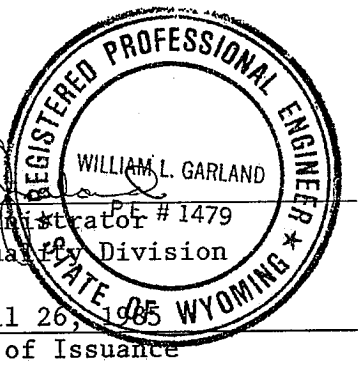
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Section, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

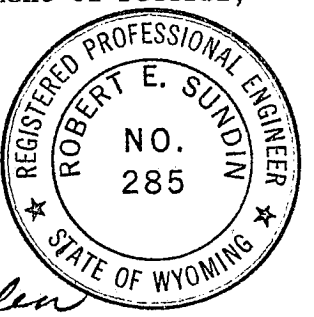
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division

April 26, 1985
Date of Issuance



Director
Dept. of Environmental Quality

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

Conditions to Permit to Construct #85-207

1. Once the wells have been completed, the owner will provide the Wyoming Department of Environmental Quality, Water Quality Division, with a report that details the specifications of the completed wells.

2. All wells will be abandoned according to procedures specified in Chapter XI, Part G, Section 70, of the Wyoming Department of Environmental Quality, Water Quality Division, Rules and Regulations.

3. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Wyoming Department of Environmental Quality, Water Quality Division.

5-23-85

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-208R
SEE CONDITION ON BACK
MA 14542

Rainbow Gardens (First Phase)
(Name of Facility)

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

Cheyenne Board of Public Utilities

2100 Pioneer Ave.

Cheyenne, WY 82001

to construct, install, or modify a water main into the Rainbow Gardens Subdivision facility according to the procedures and conditions of the application No. 85-208R. The facility is located in Section 26, T14N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

William L. Garland
Administrator
Water Quality Division

May 20, 1985
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

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

Condition to Permit to Construct 85-208R

On Independence Drive (Sheet 1/3) between STA 0+00 and 1+00, if, when installing the 8 inch water main, the pipe crown elevation falls below the pipe invert elevations, An air relief valve shall be installed.

cc: Peter Abplanalp
Intermountain Professional Services, Inc.
2206 Pioneer Ave.
Cheyenne, WY 82001

5-8-85

Review of Plans and Specifications

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

PROJECT: Rainbow Gardens (First Phase), Laramie Co.

ARCHITECT OR ENGINEER: Peter Abplanalp, Intermountain Professional Services, Inc.
2206 Pioneer Ave., Cheyenne, WY 82001

APPLICANT: Cheyenne Board of Public Utilities
2100 Pioneer Ave., Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 85-208

REVIEWING ENGINEER: Christian G. Norman, EIT and LeRoy C. Feusner, P.E.

DATE OF REVIEW: May 7, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1: Only 2 sets of plans were submitted. Three complete sets are required.

2. Sheet 1 of 3. The new 8" water main has a dead end. This dead end should have a fire hydrant or blowoff to allow flushing. See Chapter XII, Section 14(b), of the Water Quality Rules and Regulations. Where will the house on Lot 8 be supplied water from the main?

3. Air release valves are needed at the high points in the water lines along Independence Drive (sheet 1/3) and Hayes Avenue (sheet 2/3).

4. Provide section, township, range location description on the application form.

5. What water pressure exists in the water main at this location?

CGN/LCF/nc

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-209

MA 1454

Silver City Trailer Park
(Name of Facility)

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

Rupert Werner

Rt. 6, Box 152-B

Winchester, VA 22601

to construct, install, or modify a sanitary sewer collection

facility according to the procedures and conditions of the application No. 85-209. The facility is located in NW¼ of the NE¼, Sec. 32, T53N, R101W in the County of Park, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
STATE OF WYOMING

William L. Garland
Administrator # 1479
Water Quality Division

April 30, 1989
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

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

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-210R

MA 1454.2

KEELINE MINE SEDIMENT POND SP-1
(Name of Facility)

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

Neil Butte Company

P.O. Box 1629

Gillette, Wyoming 82716

to construct, install, or modify a sediment control facility according to the procedures and conditions of the application No. 85-210R. The facility is located in Sec. 10, T.44N., R.70W. in the County of Campbell, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

June 26, 1985
Date of Issuance

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

Director
Dept. of Environmental Quality

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

cc: George L. Hoffman
Hydro-Engineering
770 East Magnolia
Casper, WY 82604

Dorma

REVIEW OF PLANS AND SPECIFICATIONS

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

RECEIVED
MAY 22 1985
WATER QUALITY DIVISION
WYOMING

PROJECT: Keeline Mine
Sediment Reservoir SP-1
Campbell County, Wyoming

ARCHITECT OR ENGINEER: George Hoffman
Hydro-Engineering
770 East Magnolia
Casper, Wyoming 82604

WATER QUALITY DIVISION
REFERENCE NUMBER: 85-210

REVIEWING ENGINEER: Susan Holmes SH

DATE OF REVIEW: May 20, 1985

ACTION: Not Authorized

COMMENTS:

1) The drainage boundaries as shown on the location map do not seem to correspond with the numerical values shown with the sections. It appears the area draining to Sections D-D' and B-B' should be substantially larger than the area draining to Section A-A'. Please verify the numbers with a more detailed delineation of drainage boundaries.

2) More detailed information is needed on the methodology and parameters used in the hydrologic calculations for both peak discharges and storm volumes. Please submit design calculations.

3) Please submit sediment yield calculations.

4) Materials and construction specifications are needed for the embankment on the reservoir.

5) The 18-inch discharge pipe must have anti-seep collars. Please show a detail. No invert elevation at the discharge is shown.

6) If this reservoir is to be permitted as an NPDES discharge point, as is indicated on the application, flow measuring capabilities must be provided.

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

June 9, 1986

James Gibson, Mayor
Town of Lingle
P O Box 448
Lingle, WY 82223

RE: O&M Manual, Wastewater Treatment Facility 85-211RRR

Dear Mayor Gibson:

The Department of Environmental Quality, Water Quality Division has reviewed the operation and maintenance manual for the Lingle wastewater treatment facility and has found that it is in compliance with the Chapter XI Water Quality Rules and Regulations. Wells Engineering will be sending final copies for your use. Considerable costs were incurred in upgrading the wastewater facility and now the final responsibility rests with the town to ensure that the facility is properly operated and maintained. Both the management and the operators should read the O&M manual thoroughly and use it regularly.

The completion of the O&M manual also satisfies the notice of violation that was issued against the town on February 28, 1986.

Sincerely,

Tom

Thomas S. Norman
Engineering Area Evaluator

TSN/pjb
cc: Stephen Sandvik, Wells Engineering

4-28-86

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

April 24, 1986

Charles A. Haas
Wells Engineering
P.O. Box 554
Gering, NE 69341

RE: Lingle Wastewater Treatment Plant O&M Manual, DEQ/WQD Ref. No. 85-211RRR

Dear Mr. Haas:

The Water Quality Division has reviewed your resubmittal concerning the O&M manual for the Lingle wastewater treatment facility. Two comments must be addressed yet:

1. The Water Quality Division will require a final bound copy of the O&M manual.

2. Item #4 of my previous comments was not addressed. This comment was concerning the Town's commitment to obtain the equipment identified in the manual. Some of this equipment is a necessity in order to properly operate and maintain the wastewater system.

I must remind the Town that they are still under enforcement action and a timely response is necessary. The above comments should be addressed within 30 days.

Sincerely,

Thomas S. Norman

Thomas S. Norman
Water Quality Engineer

TSN/nc

cc: Mayor James Gibson
Town of Lingle
P.O. Box 448
Lingle, WY 82223

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

March 20, 1986

Mr. Charles A. Haas, P.E.
Wells Engineering
P.O. Box 554
Gering, NE 69341

RE: Lingle Wastewater Treatment Plant O&M Manual, DEQ/WQD Ref. No. 85-211RRR

Dear Mr. Haas:

The Water Quality Division has reviewed the draft O&M manual for the Lingle wastewater treatment facilities. The review comments are attached. Once these comments are adequately addressed, final copies must be sent to the Town and the Water Quality Division.

Because this project is under enforcement action, a final manual should be submitted within 30 days.

Sincerely,

Thomas S Norman

Thomas S. Norman
Water Quality Engineer

TSN/nc

Enclosures: Comments, Chapter III, Chapter V

cc: Mayor James Gibson, Jr. (w/encl)
Town of Lingle
P.O. Box 448
Lingle, WY 82223

Town of Lingle O&M Manual
Wastewater Treatment Facilities

Review Comments

1. The O&M manual should be in a 3-ring binder to encourage continual updating by the Town.

2. The thickness of the manual would tend to discourage an operator from reading it. I suggest that the appendices be incorporated into a separate volume.

3. Pages II-1 and Appendices. Chapters III and V were updated in 1983 and 1984, respectively. See attached copies.

4. Specific equipment is identified in the manual as being necessary to operate and maintain the facility (i.e. safety equipment, groundwater sampling equipment, surface sampling equipment, etc.). The Water Quality Division will need a commitment from the Town that this equipment will be purchased. A priority listing with a time schedule would be acceptable if funds are limited. The consultant should prioritize the equipment and submit it to the town.

5. Page VI-14/15. Chapter V, Water Quality Division Rules and Regulations requires that each system have two certified operators.

6. Figure IX-1. Monitoring well number 1 is not shown in the correct location.

7. Page VIII-2. Should explain that only grab samples are required for Water Quality Division Monitoring purposes.

8. Page VIII-10. The title for item D should add "... for surface discharges".

9. Page VIII-19. An explanation was not included on how to measure flow at the outlet.

10. Page VIII-17. It is not unusual that the DO could drop to zero in the winter or even at night in the summer. A continuous low DO could indicate high concentration of wastewater influent. (Also page IX-11)

11. Page VIII-18. This equation can be used with either mg/l or ppd.

12. Page IX-5, Section 5a. What animals can be handled by insecticides?

13. Page IX-5. All chemicals, insecticides, and herbicides need to be approved by the Water Quality Division before application. We recommend obtaining approval of these chemicals before an "emergency" arises. (Also pages XI-19, IX-10)

14. Page IX-9. The manual should explain why it is necessary that the lagoon depth not be less than 2 feet or greater than 5 feet.

15. Page IX-10. Diverting land drainage or stream water into lagoon is not recommended. Permission from the Water Quality Division and possibly the State Engineer's office would be necessary. I suggest diverting all the flow to 1 cell to maintain the water level and allowing the other cell to dry up.

16. Page IX-10. Animals may be trapped or shot with the permission of the Game and Fish.

17. Page IX-10. Odors may be seasonal and no action is warranted.

18. Page IX-11. Weeds can be pulled or cut.

19. Page IX-11. If chlorine is to be used, any residual must not be discharged per the NPDES permit.

20. Weed control is the main maintenance item for any lagoon. The lack of weed control cannot be overemphasized - attracts insects, reduces wind affects for DO, roots introduce holes in banks, attracts animals, etc.

21. Any construction or modification of the sewer collection or treatment facilities requires a permit to construct from the Water Quality Division, Chapter III.

WATER QUALITY DIVISION
GROUNDWATER SECTION
PERMIT APPLICATION REVIEW

APPLICATION NUMBER 85-211RRR

DATE SUBMITTED FOR REVIEW 3/10/86

NAME AND LOCATION OF FACILITY LINGLE WASTEWATER LAGOON
OPERATIONS & MAINTENANCE MANUAL

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

(X) No comment. The submittal is consistent with current groundwater protection procedures and requirements.

( ) Comments attached.

SIGNED Thomas R. Williams

TITLE GROUNDWATER ENGINEERING ASSOCIATE E.I.T. # 2242

DATE 3/18/86

ACCEPTED FOR RECORD 3-18-86 (Date)

Groundwater Control Supervisor

WELLS ENGINEERS, INC.
1915 TENTH STREET
P.O. BOX 554
GERING, NEBRASKA 69341
(308) 436-7157

RECEIVED
JUL 16 1985
WATER QUALITY DIVISION
WYOMING

July 15, 1985

Re: Lingle, Wyoming
Waste Treatment Facilities
WE No. 841053

Wyoming Department of Environmental Quality
Herschler Building
Cheyenne, Wyoming 82002

Attn: Mr. Thomas Norman

Dear Mr. Norman:

Please be advised that construction has commenced on the above referenced project as of July 10, 1985 and will be completed 60 consecutive calendar days thereafter.

Should you have any questions, please feel free to contact this office.

Very truly yours,

WELLS ENGINEERS, INC.

Stephen O. Sandvik

Stephen O. Sandvik, P.E.

SOS:jkh

CC: File

7-12

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-211RRR
SEE SPECIAL CONDITIONS ON BACK
MA 14542

Lingle Wastewater Treatment Facility
(Name of Facility)

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

Town of Lingle

P.O. Box 448

Lingle, WY 82223

to construct, install, or modify a municipal wastewater treatment facility facility according to the procedures and conditions of the application No. 85-211RRR. The facility is located in Section 29, T25N, R62W in the County of Goshen, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

William L. Garland
Administrator
Water Quality Division

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

Robert E. Sundin
Director
Dept. of Environmental Quality

July 10, 1985
Date of Issuance

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

Conditions to Permit to Construct #85-211RRR

1. Monitoring wells #1 and #3 shall both be relocated 100 feet directly west of their proposed locatins.

2. The groundwater section of the Department of Environmental Quality, Water Quality Division shall be notified prior to drilling the monitor wells.

cc: Chip Haas
Wells Engineers, Inc.
P.O. Box 554
Gering, NE 69341

Tom Williams, DEQ/WQD

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

July 11, 1985

Mr. Chip Haas
Wells Engineers, Inc.
P.O. Box 554
Gering, NE 69341

RE: Lingle Wastewater Facility, DEQ/WQD Ref. No. 85-211RRR

Dear Chip:

Enclosed is the permit to construct for the Lingle Wastewater Facility. Also enclosed is a memoradum outlining some additional information that will need to be addressed in the O & M Manual.

Please call if you have any questions.

Sincerely,

Thomas S. Norman
Water Quality Engineer

TSN/nc
Enclosures

cc: Tom Williams

MEMORANDUM

TO: Thomas S. Norman, Water Quality Engineer

FROM: Thomas R. Williams, Groundwater Engineering Associate TRW

DATE: July 3, 1985

SUBJECT: Groundwater Review for the Lingle Wastewater Treatment Facility Operation and Maintenance Manual

I have reviewed the groundwater sampling plan for the Lingle Wastewater Treatment Facility for consistency with current groundwater protection procedures and requirements. The following additions should be made to the sampling plan before it is incorporated into the Operation and Maintenance Manual:

1. Well evacuation - After the static water level measurement has been taken, at least three casing volumes of water should be evacuated from each well prior to sampling. One casing volume of water is calculated using the following equation:

$$\pi \times r^2 \times d \times \frac{230 \text{ in}^3}{\text{Gallon}} = \frac{\text{Gallons}}{\text{Casing Volume}}$$

Where r = radius of well in inches
And d = amount of standing water in inches
= total depth of well in inches - static water level in inches

If the well does not recharge fast enough to remove three casing volumes of water, it should be pumped dry and allowed to recharge before the water samples are collected. Well evacuation information should be included with the records that are kept during each well sampling.

2. Equipment decontamination - All equipment used during the sampling should be decontaminated with soap and triple rinsed with deionized water between wells. The submersible pump should be thoroughly flushed with deionized water.

3. The amount of suspended sediment in the water samples should be minimized. After the well has been evacuated, pump the water into a stainless steel bucket. Decant the water from the bucket into the sample containers. Decontaminate the bucket along with the other sampling equipment.

4. Records - The records listed in the sampling plan that are obtained during each sampling event should be kept on-site at the wastewater treatment facility and be available for review by an authorized representative of the Wyoming Department of Environmental Quality.

5. Quarterly groundwater sampling results should be submitted to the following person within 30 days from the end of each quarter:

A. J. Mancini
Wyoming Department of Environmental Quality
Water Quality Division
Herschler Building, 4th Floor West
122 West 25th Street
Cheyenne, WY 82002

6. Ph and conductivity meters should be standardized before use. The Operation and Maintenance Manual should include a section describing procedures for calibrating these field instruments.

TW/nc

cc: A. J. Mancini
Phil Pucel

T-3
85-211 RRR

MEMORANDUM

TO: Thomas S. Norman, Water Quality Engineer

FROM: Thomas R. Williams, Groundwater Engineering Associate TRW

DATE: July 3, 1985

SUBJECT: Groundwater Review for the Lingle Wastewater Treatment Facility Operation and Maintenance Manual

I have reviewed the groundwater sampling plan for the Lingle Wastewater Treatment Facility for consistency with current groundwater protection procedures and requirements. The following additions should be made to the sampling plan before it is incorporated into the Operation and Maintenance Manual:

1. Well evacuation - After the static water level measurement has been taken, at least three casing volumes of water should be evacuated from each well prior to sampling. One casing volume of water is calculated using the following equation:

$$\pi \times r^2 \times d \times \frac{230 \text{ in}^3}{\text{Gallon}} = \frac{\text{Gallons}}{\text{Casing Volume}}$$

Where r = radius of well in inches
And d = amount of standing water in inches
= total depth of well in inches - static water level in inches

If the well does not recharge fast enough to remove three casing volumes of water, it should be pumped dry and allowed to recharge before the water samples are collected. Well evacuation information should be included with the records that are kept during each well sampling.

2. Equipment decontamination - All equipment used during the sampling should be decontaminated with soap and triple rinsed with deionized water between wells. The submersible pump should be thoroughly flushed with deionized water.

3. The amount of suspended sediment in the water samples should be minimized. After the well has been evacuated, pump the water into a stainless steel bucket. Decant the water from the bucket into the sample containers. Decontaminate the bucket along with the other sampling equipment.

4. Records - The records listed in the sampling plan that are obtained during each sampling event should be kept on-site at the wastewater treatment facility and be available for review by an authorized representative of the Wyoming Department of Environmental Quality.

5. Quarterly groundwater sampling results should be submitted to the following person within 30 days from the end of each quarter:

A. J. Mancini
Wyoming Department of Environmental Quality
Water Quality Division
Herschler Building, 4th Floor West
122 West 25th Street
Cheyenne, WY 82002

6. Ph and conductivity meters should be standardized before use. The Operation and Maintenance Manual should include a section describing procedures for calibrating these field instruments.

TW/nc

cc: A. J. Mancini
Phil Pucel

6-20

Review of Plans and Specifications

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

PROJECT: Lingle Waste Treatment Facility, Goshen Co.

ARCHITECT OR ENGINEER: Stephen O. Sandvik, Wells Engineers, Inc.
P.O. Box 554, Gering, NE 69341

APPLICANT: Town of Lingle
P.O. Box 448, Lingle, WY 82223

WATER QUALITY DIVISION REFERENCE NUMBER: 85-211RR

REVIEWING ENGINEER: Thomas S. Norman TSN

DATE OF REVIEW: June 20, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Enclosed are the comments from Phil Pucel of the groundwater section. Please feel free to contact him directly if you have any questions.

Water Quality Division
Groundwater Section
Permit Application Review

Application Number 85-211 RR

Date Submitted For Review 6-18-85

Name and Location of Facility LINGLE
Wastewater Treatment Facility
Goshen Co.

I have reveiwed 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.

[X] Comments attached.

Signed Phil Pucel

Title WQ Engr Evaluator

Date 6-18-85

Approved 6-19-85
(Date)

John Stahman
(Signed)
Groundwater Control Supervisor

To: Tom Norman
From: Phil Pucel
Subject: Lingle Waste Treatment Facility
#85-211RR
Wells Engineers, Inc. response to June 5, 1985 groundwater section review of permit application.

Introduction

Nine comments are contained in the referenced DEQ memo to file. Those topics requiring further consideration are addressed herein.

Seepage Rates in pond #1 and local geology.

These two items have not been addressed in any detail and, as such, leave relatively large gaps in the information needed to evaluate the potential impacts of the facility to groundwater. If the sludge layer does provide low permeability, then there should be immeasurable impacts to groundwater. However, there is no way to assess this potential at this time. Likewise, the lack of information of local geology and the groundwater level leaves us with little information on which to make useful assessments. The information on page 5 of the soils report was noted during the first review and new information was anticipated. The resubmittal of the same information from a regional study of the hydrologic system does not add to the understanding of local conditions. The information only points out that the shallow aquifer consists of material of moderate to high permeability and probably transmits high quality groundwater.

Sampling procedures

It is recommended that sampling protocol and quality assurance be addressed for baseline sampling as well as operational sampling so that a consistent and useful sampling program is developed. It is commendable that the procedures will be addressed in the O & M manual, but the procedures should be initiated during baseline sampling.

Field parameters

These parameters should be incorporated into the sampling and purging procedures to demonstrate that representative samples are being collected. Please note that the field parameters are measured during purging of the wells to establish stabilization of the parameters before sampling. There appears to be some confusion in the objectives

of the use of field parameters as reflected in the Wells' letter: "After the monitoring wells is installed and samples taken, we will provide you with temperature, static level, pH, and conductivity."

Bentonite seal

Again, the phrasing of #8 in the Wells' letter could be clearer. The intent of the DEQ comment was to assure that the bentonite placed above the gravel pack was hydrated prior to grouting so that no cement water is able to enter the well.

Additional monitoring wells

The location of these wells should be indicated on a map. As mentioned in previous comments, it is difficult to evaluate the design of wells when insufficient hydrogeological information is presented. The approach being taken by Wells appears to be relying on field decisions to determine well completion details.

Binder

Review of Plans and Specifications

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

PROJECT: Lingle Wastewater, Goshen

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

APPLICANT: Town of Lingle
P. O. Box 448, Lingle, WY 82223

WATER QUALITY DIVISION REFERENCE NUMBER: 85-211R

REVIEWING ENGINEER: Thomas S. Norman, Water Quality Engineer TSN

DATE OF REVIEW: June 6, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The response to the soil sterilent is adequate.

2. The P.E. liner does not meet the minimum thickness requirement of 30 mils. Along the same line, I do not appreciate changes being made in the specifications without being notified of them. With this project and future projects, identify any changes that are made that are not in response to one of our comments. Unexpected changes causes me to go back and make a thorough review of the entire project which is time consuming to both of us.

3. An operation and maintenance manual is required on this project. The draft must be submitted at 50 percent completion and the final approval required before start-up.

4. Attached are the additional groundwater section comments from Phil Pucel.

To: File
From: Phil Pucel
Subject: Waste Treatment Facility Improvements
Lingle, Wyoming

Application No.: 85-211R

Date: June 5, 1985

1) Is a zero seepage rate in pond #1 realistic?

2) Can the soils report, page 5, be made available? The logs provided in the bid manual do not provide enough information to gain an understanding of the shallow geology.

3) The technical specifications section of the manual submitted with the application does not address sampling protocol and quality assurance. It is recommended that sampling procedures, preservation techniques, chain of custody, and data management be addressed according to the "Procedures Manual for Ground Water Monitoring at Solid Waste Disposal Facilities", SW-611, Dec., 1980 or by contacting DEQ/WQD for details. This information should also be included in the O & M manual.

4) Parameters measured in the field include:

static water level
water temperature
pH
conductivity

The stabilization of these parameters while purging the monitor wells are used to help determine when a representative sample may be collected.

5) The list of parameters for baseline may be reduced by eliminating:

aluminum
cobalt
nickel

6) Additional sampling using a reduced list of parameters may be required to establish baseline.

7) An operating sampling list will be established by DEQ after baseline has been established. This list is normally greatly reduced from the baseline list of parameters.

8) The bentonite placed above the gravel pack of the monitor

.ould be hydrated prior to grouting.

7) One monitor well is insufficient to monitor this facility, particularly in light of the sparse information on water quality, flow directions, and seepage rates from cell #1. At a bare minimum, one well is needed along the southeast side of pond #1. Optimally, a third well would be placed to the north/northwest to help determine the gradient and perhaps serve as an upgradient well.

5-16-85

Review of Plans and Specifications

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

PROJECT: Lingle Wastewater Treatment Facility Improvements

ARCHITECT OR ENGINEER: Stephen Sandvik, Wells Engineers, Inc.
P. O. Box 554, Gering, NE 69341

APPLICANT: Town of Lingle
P. O. Box 448, Lingle, WY 82223

WATER QUALITY DIVISION REFERENCE NUMBER: 85-211

REVIEWING ENGINEER: Thomas S. Norman, Water Quality Engineer

TSN

DATE OF REVIEW: May 6, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Is the gradation on the riprap adequate to prevent fines from eroding out through the voids?

2. Please provide information on the soil sterilant in order for us to evaluate whether it could have an impact on the biological activity in the pond or an adverse effect on the receiving stream.

3. What is the purpose of the sewer line going east out of MH #2?

4. A number is missing in note #4 on sheet 2 of 3.

5. What will be done with the sludge that is to be removed?

6. Why can't the lagoons be filled to a greater depth than elevation 46.6? The dikes definitely have more free board and the invert in the influent manhole is about a foot higher.

7. Just so there isn't a misunderstanding, there is a difference between lagoon storage (which you calculated) and detention time for treatment purposes.

8. Attached are the comments from Phil Pucel of the groundwater section. Please respond to them.

9. Attached are the comments from Alan Edwards, DEQ representative to the Farm Loan Board. Please respond to them.

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: Tom Norman, Engineering Evaluator

FROM: AAE Alan Edwards, Engineering/Grants Evaluator

DATE: May 13, 1985

SUBJECT: Town of Lingle - Wastewater Treatment Facility

This office has reviewed the plans and specifications for the upgrade to the town's wastewater treatment facility. This office reviewed the plans and specifications with respect to sizing and cost because of the involvement of the Farm Loan Board grant funding. It is requested that these comments be forwarded to the engineer, to verify cost information.

The plans indicate that riprap will be placed on all interior slopes of each cell in the lagoon system. Slope protection is recognized as being an important factor in lagoon operation. It is questioned, though, if slope protection (riprap) would be necessary for all interior slopes of the lagoon system.

The plans indicate that a PVC liner would be placed in cell no. 2. No liner is proposed for cell no. 1 which is the primary cell. It is questioned why a liner would be placed in cell no. 2 and not in cell no. 1. It is also questioned if a liner is necessary in the second cell.

I would be appreciated if this could be submitted with your review comments for consideration by the engineer. Thank you.

cc: Jerry Placzek, Department of Public Lands

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: Thomas S. Norman, Water Quality Engineer

FROM: Phil Pucel, Engineering Evaluator phil

DATE: May 14, 1985

SUBJECT: Town of Lingle, permit no. 85-211

1. What is the rationale behind the design specs of the monitor wells? Why is there an interval with sand pack overlying a gravel pack? A bentonite seal is missing beneath the grout. On what information is the completion interval based? The wells do not intercept the water table so they are of little use. A vacuum tube and lysimeter would be needed to monitor the unsaturated zone.

2. What are the projected seepage rates from each pond?

3. A better location map is needed.

4. What are the flows in Rawhide Creek?

5. What is the local geology? Is there any groundwater present which may be impacted? The borings are too shallow to answer this question.

6. A local topo map would be helpful.

7. Information is needed on the absence or presence of groundwater, groundwater quality, and potential impacts to groundwater. Completion details of the monitor wells were not submitted. What information was used to determine the interval to be sampled by the monitor wells? As mentioned earlier, the completion intervals are located above the water table. They may only be useful if mounding occurs.

Water Quality Division
Groundwater Section
Permit Application Review

Application Number 85-211

Date Submitted For Review 5-6-85

Name and Location of Facility Town of Lingle
Waste Treatment Facilities
Goshen Co.

I have reveiwed 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.

[X] Comments attached.

Signed [signature]

Title Engr

Date 5-7-85

Approved 5/7/85
(Date)

[signature]
(Signed)
Groundwater Control Supervisor

THE STATE OF WYOMING

JIM GERINGER
GOVERNOR

Department of Environmental Quality

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

ADMINISTRATION	ABANDONED MINES	AIR QUALITY	INDUSTRIAL SITING	LAND QUALITY	SOLID & HAZARDOUS WASTE	WATER QUALITY
(307) 777-7758	(307) 777-6145	(307) 777-7391	(307) 777-7368	(307) 777-7756	(307) 777-7752	(307) 777-7781
FAX 777-7682	FAX 634-0799	FAX 777-7682	FAX 777-6937	FAX 634-0799	FAX 777-5973	FAX 777-5973

December 26, 1995

CERTIFIED

Town of Lingle
Attn. Wastewater Lagoons Operator
P.O. Box 884
Lingle, Wyoming 82223

RE: **Reminder Letter - Annual Testing and Reporting of Wastewater Lagoons Groundwater Monitoring Wells**

Dear Town of Lingle Wastewater Operator:

This letter is being sent by the Wyoming DEQ Water Quality Division(WQD) as a reminder that permit number 85-211 for the Lingle Wastewater Treatment Facility requires annual monitoring of the groundwater monitoring wells around the wastewater lagoons. As of this date, the WQD has not received the annual report for 1995 which should have been performed in June or July. The last report that the WQD received for this facility was in September of 1994. Therefore, the WQD is requesting the following:

1. That within 30 days of receipt of this letter that you submit a copy of the results of the 1995 summer sampling event to the WQD - if the sampling was performed. If the sampling was not performed, contact this office to verify that the sampling did not occur.

OR

2. That if the summer of 1995 sampling was not done, that you be sure that the 1996 summer sampling is accomplished on time (in June or July), and that the results are submitted to the WQD within 30 days of completion.

Over the years the WQD has reviewed and revised the sampling requirements for this facility. The sampling was originally required quarterly, but has since been revised to only yearly. Also, the

parameters to be sampled have been adjusted over the years. Therefore the following is a summary of the current sampling requirements.

Sample MW1, MW2, and MW3 in June or July of each year for:

- Chloride
- Specific Conductance
- Ammonia as "N"
- Nitrates + Nitrites as "N"
- pH
- Sulfates
- Total Dissolved Solids (TDS)

The WQD hopes that this review and reminder will be helpful to you in meeting your monitoring requirements so that you can stay in compliance with your permit. However, if you have any additional questions, please call me at (307) 777-6183.

Sincerely,

Ronald L. Ewald
Engineering Evaluator
SE District, Water Quality Division

RLE:ks
55872.ltr

cc: Permit # 85-211, Groundwater Monitoring File

2-28-86

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

February 27, 1986

Troyco, Inc.
P.O. Box 452
Lusk, WY 82225

Dear Gentlemen:

On November 26, 1985, a status letter was sent to you concerning a permit to construct, reference number 85-212, facility name Bull Busters Truck Wash. The application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct process.

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

Sincerely,

Christian G. Norman
Engineering Evaluator
Water Quality Division

CGN/nc

cc: 4U2 Engineering & Land Surveying
P.O. Box 99
Torrington, WY 82240

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

November 26, 1985

Troyco, Inc.
P.O. Box 452
Lusk, WY 82225

Gentlemen:

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

Facility name:	Bull Busters Truck Wash
DEQ/WQD Reference Number:	85-212
Engineering Consultant:	Russell D. Schamel, 4U2 Engineering
DEQ/WQD Reviewing Engineer:	Christian G. Norman
Date of DEQ/WQD Review:	May 14, 1985

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 constributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,

Christian G. Norman
Engineering Evaluator
Water Quality Division

CGN/nc

cc: Russell D. Schamel
4U2 Engineering
P.O. Box 99
Torrington, WY 82240

5-17-85

Review of Plans and Specifications

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

PROJECT: Bull Busters Truck Wash, Goshen Co.

ARCHITECT OR ENGINEER: Russell D. Schamel, 4U2 Engineering & Land Surveying
P. O. Box 99, Torrington, WY 82240

APPLICANT: Troyco, Inc.
P. O. Box 452, Lusk, WY 82225

WATER QUALITY DIVISION REFERENCE NUMBER: 85-212

REVIEWING ENGINEER: Christian Norman, EIT
Phil Pucel, Engineering Evaluator
LeRoy C. Feusner, P.E.

DATE OF REVIEW: May 14, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. What is the design basis for the minimum required solids in the settling pond?

2. Interior slopes of concrete paving or riprap may be constructed at slopes of one vertical to two horizontal, not 8:1.

3. How will the manure and dirt be removed from the main settling ponds?

4. What provisions are made for winter operation, such as freezing over of the settling ponds?

5. Line 13(a) of the design information has an incorrect figure.

6. How will operation of the slide valve for wastewater flow from the settling pond prevent solids carryover into the secondary pond? Redesign may be necessary.

7. State engineer records indicate neighboring groundwater wells whose drilling logs show one well to be only 30 feet deep, but a static water level only four feet below ground level. Another well log shows a well depth of 15 feet in sand and gravel. This information, although incomplete, supports the possibility of shallow groundwater in the immediate area. Since no site-specific groundwater information was submitted, a detailed impact analysis is not possible at this time. Submit onsite groundwater information indicating actual depth to the seasonal high groundwater table (spring season) and the quality of that groundwater; specifically, TDS, nitrate-nitrogen, phosphates, and pH. Onsite monitoring wells may be required to obtain this information. Any monitoring wells installed must comply with requirements contained in Chapter XI, Wyoming Water Quality Rules and Regulations.

8. The seepage through the pond bottom and side walls shall not cause a violation of groundwater standards as described in Chapter VIII, Water Quality Rules and

Regulations. Sealed concrete ponds could be expected to leak as shrinkage cracks appear, or from routine maintenance activities causing cracks in the concrete. If the applicant cannot document the facility poses no threat to groundwater and elects not to perform a subsurface investigation, then the groundwater shall be protected from contamination by the wastewater with a liner equivalent to three feet of soil having a permeability of 10E-7 cm/sec or less. When an applicant performs a subsurface study, the requirement for the liner shall be determined based on the results of the study and the groundwater protection required.

9. The clean-out pond design seems insufficient. The residual capacity after pumping the supernatant from the main settling pond is 51 cubic yards. This will wash less than six trucks. Can the solids be cleaned out of the main settling pond in this time frame?

5-15-85

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-213
SEE CONDITIONS ATTACHED
MA 14542

Texaco Service Station
(Name of Facility)

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

Allen R. Rechnagel

Soil Exploration Co.

662 Cromwell Avenue

St. Paul, Minnesota 55114

to construct, install, or modify a groundwater and subsurface hydrocarbon monitoring network according to the procedures and conditions of the application No. 85-213. The facility is located in Section 5, T12N, R91W, Baggs, in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of five (5) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Groundwater Section, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
STATE OF WYOMING

Administrator P.E. # 1479
Water Quality Division

May 7, 1985
Date of Issuance

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

Director
Dept. of Environmental Quality

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

CONDITIONS TO PERMIT TO CONSTRUCT NO. 85-213

1. The monitoring wells should be installed in accordance with the plans and specifications submitted in the permit application.

2. Upon completion of the monitoring wells and sufficient time for the groundwater to reach equilibrium, two groundwater samples should be collected from each well. Prior to sampling, depth to fluid and hydrocarbon thickness measurements should be taken. The initial groundwater sample should be collected at the water table prior to purging the well. A minimum of three to five casing volumes of water should then be removed from the well and another sample taken.

3. Both groundwater samples from each well should be analyzed for the following list of parameters:

   a. Cation-anion balance

   b. Total lead

   c. Tetra-ethyl lead

   d. Purgeable aromatic compounds using EPA 602 method including:

      (1) Benzene

      (2) Chloro-benzene

      (3) 1-2 dichloro benzene

      (4) 1-3 dichloro benzene

      (5) 1-4 dichloro benzene

      (6) Ethyl benzene

      (7) Tolulene

4. Drilling logs, sampling results and other hydrogeological information should be submitted to 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.

5. After the groundwater investigation has been completed, a report should be submitted to the Department of Environmental Quality, Water Quality Division, documenting the amount and extent of subsurface hydrocarbon contamination. This report should also address remedial measures for groundwater clean-up.

6. The monitoring wells should not be removed or abandoned without concurrence from the Department of Environmental Quality, Water Quality Division Administrator.

5-3-85

MEMORANDUM

TO: File

FROM: Phil Pucel phil

DATE: May 2, 1985

SUBJECT: Texaco Service Station, Baggs Monitor Well Hydrocarb Contamination, #85-213

This project is being handled by Tom Williams. This particular application for a permit to construct monitor wells was brought to my attention for review. Specific comments are listed below:

1. The cover letter says that the boreholes will be extended to approximately 7'-8' below the groundwater surface, with the 10' screen installed so as to intersect the water table. This general proposal is acceptable, provided that consideration is given to the high and low water table elevations which may fluctuate widely.

2. A deviation will be required from the Administrator for a shorter surface seal than specified in Chapter XI, Section G.

3. The bentonite pellets located above the filter sand need to be hydrated before the surface seal is installed.

4. The choice of location of the wells cannot be assessed utilizing the information at hand. I assume that Tom Williams has discussed this issue previously with the applicant.

PP/nc

PERMIT TO CONSTRUCT

/XX/ New

/ / Renewal

/ / Modified

Permit No. 85-214
MA 14542

Blocks 6 & 7 Water Main Extension
(Name of Facility)

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

Town of Marbleton

P.O. Box 4160

Marbleton, WY 83113

to construct, install, or modify a PVC water main

facility according to the procedures and conditions of the application No. 85-214. The facility is located in Sec. 30, T30N, R111W 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-

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

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

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

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

AUTHORIZED BY:

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

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

William L. Garland
Administrator
Water Quality Division

Robert E. Sundin
Director
Dept. of Environmental Quality

May 10, 1985
Date of Issuance

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

7-30

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-215R
MA 14689

Town of Superior, Water System
(Name of Facility)

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

Town of Superior

P.O. Box 307

Superior, WY 82945

to construct, install, or modify a water treatment plant, transmission pipe, well pump, water storage reservoir and controls facility according to the procedures and conditions of the application No. 85-215R. The facility is located in Sec. 28, T21N, R102W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

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

William L. Garland
Administrator
Water Quality Division

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

Robert E. Sundin
Director
Dept. of Environmental Quality

July 23, 1985
Date of Issuance

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

REVIEW OF PLANS AND SPECIFICATIONS

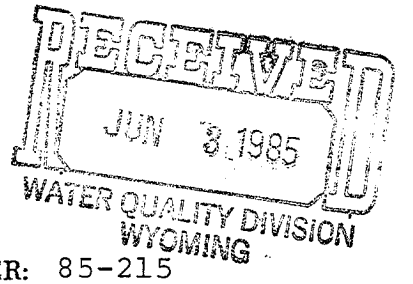
WYOMING DEPARTMENT OF EVIRONMENTAL QUALITY

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

PROJECT: Town of Superior
Water System Improvements

ENGINEER: James M. Montgomery Consulting Engineers, Inc.
1301 Vista Avenue, Argonaut Building, Suite 210
Boise, ID 83705
ATTN: C. Gary Carroll

OWNER: Town of Superior
P.O. Box 307
Superior, WY 82945



WATER QUALITY DIVISION REFERENCE NUMBER: 85-215

REVIEWING EVALUATOR: Jeff Hermansky

DATE OF REVIEW: May 28, 1985

ACTION: **Not authorized.**

COMMENTS:

I have reviewed the preliminary plans for the Town of Superior water system improvements including water treatment, transmission line, well, reservoir and control facilities. The review has left me with numerous questions that could probably be answered if I had been sent the engineers design report for the project.

Most of my questions relate to the water treatment system. Since the DEQ regulations do not specifically address pressure filters, we need to thoroughly evaluate each proposed system on a case by case basis. Please address the following:

1. Submit the basis for the system design.

2. Include data on quality of the water to be treated and the manufacturers specifications and details for the system.

3. Show that the plant can meet the peak day requirements for the design population with one filter out of service.

4. Please justify the sizing of the washwater lagoons. See DEQ Regulations and Chapter XII, Section 10.

5. As a matter of clarification, is the "0-10 minute time delay to rinse the filter plant", the wasting of the first 0-10 minutes of filtered water after backwashing?

AC

6. Five filters are shown on the plan sheet yet only four are described in operation sequence. Please clarify.

Other questions and comments that do not relate to the treatment facility are:

1. There was no storage tank foundation design or construction details submitted. Please show the design, details, and include the soils report for the storage tank.

2. The backwash pond construction information and drawing was very general. Please supply more detail on the soil permeability and piping elevations.

Please feel free to contact me if you have any questions. Also, we will need 3 copies of all final plans and specifications, signed by a Wyoming professional engineer. Include an application form signed by Superior's Mayor.

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-216R
MA 14542

Tayton Corner Blocks 57 and 60 Sanitary Sewer
(Name of Facility)

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

Alsade, Ltd.

P.O. Box 520

Big Piney, WY 83113

to construct, install, or modify a sanitary sewer mains and manholes

facility according to the procedures and conditions of the application No. 85-216R. The facility is located in

Sec. 29, T30N, R111W

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-

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

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

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

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

AUTHORIZED BY:

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

William L. Garland
Administrator
Water Quality Division

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

Robert E. Sundin
Director
Dept. of Environmental Quality

June 26, 1985
Date of Issuance

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

MEMORANDUM

TO: Plans, 85-216

FROM: Jeff Hermansky

SUBJECT: Phone Review

DATED: May 13, 1985

On May 9, 1985 I conducted a phone review of Tayton Corner-Blocks 57 and 60 sanitary sewer, with Keith McNinch. I made the following comments:

1. The plans must be signed by the engineer.

2. Using "Marbleton's practices" as a specification is unacceptable since the DEQ has not authorized these practices. Please remove this from the notes.

3. Define "extra compaction of Type B backfill."

4. Clearly specify the type of PVC pipe to be used for the sewer lines.

5. Submit material and installation specifications for fiberglass manholes.

RECEIVED
MAY 16 1985
WATER QUALITY DIVISION
WYOMING

AC

7-8

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-217R
MA14548

Tayton Corner Block 57 Water Main
(Name of Facility)

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

Alsade, Ltd.

P.O. Box 520

Big Piney, WY 83113

to construct, install, or modify a 6" PVC water main

facility according to the procedures and conditions of the application No. 85-217R. The facility is located in Sec. 29, T30N, R111W 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-

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

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

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

June 26, 1985
Date of Issuance

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

Director
Dept. of Environmental Quality

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

MEMORANDUM

TO: Plans, 85-217

FROM: Jeff Hermansky

SUBJECT: Phone Review

DATED: May 13, 1985

On May 9, 1985 I conducted a phone review of Tayton Corner-Blocks 57 and 60 water mains, with Keith McNinch. I made the following comments:

1. Using "Marbleton's practices" as a construction specification is unacceptable since the DEQ has not authorized these practices. Please remove this reference from the notes.

2. Define "extra compaction of Type B backfill."

3. Specify clearly the type of pipe to be used.

4. What does "compact well under sewer pipe" where water line passes under, mean? Define compaction requirements.

RECEIVED
MAY 16 1985
WATER QUALITY DIVISION
WYOMING

AC

5-31-85

PERMIT TO CONSTRUCT

/XX/ New

/ / Renewal

/ / Modified

Permit No. 85-218

MA 1454

Riverside Addition Sewer Line
(Name of Facility)

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

Peter A. Sneddon

111 Willow Avenue

Kemmerer, WY 83101

to construct, install, or modify a 193 feet of 8 inch diameter sewer main with two manholes. facility according to the procedures and conditions of the application No. 85-218. The facility is located in Sec. 13, T21N, R116W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

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

William L. Garland
Administrator
Water Quality Division

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

Robert E. Sundin
Director
Dept. of Environmental Quality

May 28, 198
Date of Issuance

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

5-29

PERMIT TO CONSTRUCT

/XX/ New

/__/ Renewal

/__/ Modified

Permit No. 85-219

MA 14542

Cassidy Area Water & Sewer Improvements
(Name of Facility)

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

Town of Diamondville

P.O. Box 281

Diamondville, WY 83116

to construct, install, or modify a water and sewer lines to serve developing area facility according to the procedures and conditions of the application No. 85-219. The facility is located in Sec. 23, T21N, R116W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

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

William L. Garland
Administrator
Water Quality Division

May 20, 1985
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

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

PERMIT TO CONSTRUCT

/X/ New

/__/ Renewal

/__/ Modified

Permit No. 85-220

SEE CONDITION ON BACK

MA 14542

Acme Tool Sanitary Disposal Facility
(Name of Facility)

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

NL Acme Tools

Box 69

Rock Springs, WY 82901

to construct, install, or modify a septic tank, leach bed facility according to the procedures and conditions of the application No. 85-220. The facility is located in Section 19, T29N, R111W 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.

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

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

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AUTHORIZED BY:

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

Administrator
Water Quality Division

May 10, 1985
Date of Issuance

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

Director
Dept. of Environmental Quality

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

Condition to Permit to Construct

The permittee shall notify Janet Montgomery, Sublette County Planner, P.O. Box 506, Pinedale, WY 82941, phone No. 367-4375, of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling.

cc: Janet Montgomery

7-17-85

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-221RRR
MA 14689

City of Casper Miscellaneous Water Main Replacements
(Name of Facility)

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

Casper Board of Public Utilities

200 North David Street

Casper, WY 82601

to construct, install, or modify a public water supply facility according to the procedures and conditions of the application No. 85-221RRR. The facility is located in Sections 2, 3, 9, 10, 11, 15, 17, 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.

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

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

William L. Garland
Administrator
Water Quality Division

Robert E. Sundin
Director
Dept. of Environmental Quality

July 10, 1985
Date of Issuance

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

cc: David W. Hill
Casper Board of Public Utilities
200 North David Street
Casper, WY 82601

Review of Plans and Specifications

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

PROJECT: City of Casper, Miscellaneous Water Main Replacements, Natrona Co.

ARCHITECT OR ENGINEER: David W. Hill, Casper BPU
200 North David Street, Casper, WY 82601

APPLICANT: Casper BPU
200 N. David St., Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 85-221R

REVIEWING ENGINEER: Christian G. Norman

DATE OF REVIEW: June 17, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Provide a revised drawing showing the additional valve placement on Fairdale Street (sheet 13/24).

2. Provide a revised drawing showing the location of the valve on the east side of the 12th/Washington intersection.

3. Revise the drawings of Fifteenth Street which clearly shows the water main which is to be replaced.

4. On Fifteenth, between Bonnie Brae and McKinley, relocating either or both of the proposed 12 inch valves would allow the valve separation to meet the specifications without adding an additional valve.

5-17-85

Review of Plans and Specifications

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

PROJECT: City of Casper, Miscellaneous Water Main Replacements, Natrona Co.

ARCHITECT OR ENGINEER: David W. Hill, Casper BPU
200 North David Street, Casper, WY 82601

APPLICANT: Casper Board of Public Utilities
200 N. David Street, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 85-221

REVIEWING ENGINEER: Christian G. Norman, EIT
Thomas S. Norman, Water Quality Engineer

DATE OF REVIEW: May 8, 1985 TSN

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Provide section location description on the application form.

2. Where the minimum separation (18") between water and sewer mains, a special note should be made on the plans at these locations.This notifies the contractor that special work is required in the form of replacing the sewer line with water line material as required in the specifications. Three areas were noticed; 1) sheet 2/24 in the South Fenway - East Second intersection; 2) Street 9/24, Washington Street - East Twelfth Street intersection; and 3) Street 18/24, South Kenwood - East Fourth Street intersection.

3. In three locations fire hydrant installations did not meet the specifications outlined in Chapter XII, Section 14(b) of the Wyoming Water Quality Rules and Regulations: (a) sheet 8/24 - fire hydrant on South Elm - south of Twelfth Street; (b) sheet 11/24 - fire hydrant on South Chestnut - south of Twelfth Street; and (c) sheet 16/24 - fire hydrant on North Fenway Street - south of East First Street.

   The regulation requires that when hydrants are supplied in one direction by a 6-inch pipe, the length of this pipe should be less than 250 feet or use a 8-inch pipe.

4. In three locations, the valve separation on the water mains exceed those outlined in the specifications. Chapter XII, Section 14(c) require that water main valves should be located at least every 800 ft. in non-commercial districts. The three locations are as follows: (a) sheets 9-10/24 along East Twelfth Street; (b) sheets 12-14/24 along Fairdale Avenue, and (c) sheet 19/24 along East Fifteenth Street.

5. On sheet 19/24 - which water main is being replaced?

6. On sheet 4/24 - is the 6' metal culvert being used and is it exposed to the air? This is a potential freezing problem and structural problem if is exposed and being used.

THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

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

Administration	Air Quality Division	Land Quality Division	Solid Waste Management Program	Water Quality Division
(307) 777-7937	(307) 777-7391	(307) 777-7756 FAX (307) 634-0799	(307) 777-7752	(307) 777-7781 FAX (307) 777-5973

August 23, 1993

Gary Thompson
Superintendent of Public Works
City of Worland
P.O. Box 226
Worland, Wyoming 82401

RE: Worland City Drainage Wells
Permit UIC 85-222R & Draft Permit UIC 93-100
Washakie County, Wyoming

Dear Mr. Thompson:

In response to your letter of August 16, 1993 stating that the storm water drainage wells covered by permit 85-222R have been permanently abandoned, permit 85-222R is hereby cancelled. Draft permit 93-100 which was under consideration as a replacement permit for 85-222R is also withdrawn.

With the cancellation of 85-222R, the City of Worland is released from the obligation to monitor the "Outland" well near the point of injection. This does not affect the monitoring requirements imposed by any other permit which the City of Worland may presently have. In particular, the requirements for monitoring at the Worland Municipal Airport are not affected by this cancellation.

Sincerely,

William L. Garland
Administrator
Water Quality Division

WLG/RFL/jn

xc: Jeff Hermansky, Lander office

8-15

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

August 14, 1985

Roger A. Brookwell
Mayor, City of Worland
P.O. Box 226
Worland, WY 82401

RE: Permit GPC 85-222R

Dear Mayor Brookwell:

Enclosed is the permit to discharge to groundwater for the Worland discharge wells #1, #2 and #3. Please note in section F.4. that domestic well U.W. 56202 must be sampled within 30 days of issuance of the permit and once annually thereafter. See permit GPC 85-222R for the parameters to be analyzed for. Also note in section F.4. that periodic maintenance records must be kept and mailed to the Department of Environmental Quality, Water Quality Division. All reports are due within 30 days of the end of each reporting period.

In the future a permit to discharge to groundwater must be obtained for discharge wells from the Department of Environmental Quality, Water Quality Division, prior to construction of the facility.

Enclosed are copies of Form GPC-7 to accompany all required submittals to the Department of Environmental Quality, Water Quality Division. If you have any questions, please contact Matt Langenfeld of this office.

Sincerely,

William L. Garland
Administrator

WLG/ML/nc
Enclosures

cc: Jake Strohman, DEQ/WQD, Cheyenne
A. J. Mancini, DEQ/WQD, Cheyenne
Steve Gerber, DEQ/WQD, Lander
Matt Langenfeld, DEQ/WQD, Cheyenne

THE STATE OF WYOMING

MIKE SULLIVAN
GOVERNOR

Department of Environmental Quality

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

Administration	Air Quality Division	Land Quality Division	Solid Waste Management Program	Water Quality Division
(307) 777-7937	(307) 777-7391	(307) 777-7756 FAX (307) 634-0799	(307) 777-7752	(307) 777-7781 FAX (307) 777-5973

April 15, 1993

Gary Thompson
City Engineer
City of Worland
P.O. Box 226
Worland, Wyoming 82401

RE: **Worland City Drainage Wells**
Draft Permit UIC 93-100
Washakie County, Wyoming

Dear Mr. Thompson:

Enclosed please find one copy of a new Draft Permit to cover these wells. At the present time, these wells are covered by permit UIC 85-222. At five year intervals, the Department of Environmental Quality makes a thorough review of each permit. As a part of this review, the department determined that an amended groundwater monitoring plan is appropriate for this site. This amended plan is incorporated into the enclosed draft permit. You will be given the opportunity to comment on this permit prior to its issuance. Until this permit is signed, you are still bound by permit UIC 85-222.

Please make your comments within 30 days of your receipt of this letter so that the re-permitting process can proceed.

Sincerely,

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

xc: Jeff Hermansky, Lander office (w/ copy of draft)

RFL:jmm 31733.ltr

DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE OF WYOMING
GROUNDWATER POLLUTION CONTROL PERMIT
AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS
(Permit to Inject)

MA 14542

(X) New

( ) Modified

Permit Number:

GPC 85-222R
UIC Class V

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

City of Worland
Worland City Engineer
P.O. Box 226
Worland, WY 82401

is authorized to operate

a network of 3 storm runoff subsurface discharge drainage wells

according to procedures and conditions of the application GPC 85-222R and requirements and other conditions of this permit.

This permit shall become effective on date of issuance.

William L. Garland

Administrator
Water Quality Division
Herschler Building, 122 W. 25th
Cheyenne, WY 82002
Phone: (307) 777-7781

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

August 13, 1985
Date

Robert E. Sundin

Director
Department of Environmental Quality
Herschler Building, 122 W. 25th
Cheyenne, WY 82002

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

Aug 14, 1985
Date

Rev. 4/85

FORM GPC 6

A. Discharge (Injection) Zone and Area of Review

The discharge zone is confined to the 3 discharge wells designated in the application and to the intervals of the cement slots in these discharge wells. The interval of the slotted cement is 2 feet and is located approximately 5 to 7 feet below the ground surface. The discharge zone is in the alluvial aquifer of the Big Horn River and the area of review extends through that portion of the aquifer which may be affected by the discharge, and at a minimum within 1/4 mile of each of the recharge wells. Refer to the application for a schematic diagram of the discharge wells.

B. Groundwater Classification

Current use of the groundwater has been reported as irrigation (lawn watering) although a Wyoming water rights well study conducted by the State Engineers office indicates that the greater majority of the wells are designated for domestic use. The following parameters and concentrations in part per million were reported as representative of groundwater quality in the area of review:

Total Dissolved Solids	908
Hardness	400
Sulfates	520
Nitrates as N	1.3
Sodium	140

C. Authorized Operations

The permittee is authorized to discharge storm water runoff from precipitation and snowmelt over a 1.8 acre area for discharge well #1 and #2 and over a 0.13 acre area for discharge well #3 in north Worland shown in the application, as a miscellaneous discharge to underground water. The application indicates that discharge wells #1 and #2 will be filled and water will bypass the wells annually and discharge well #3 is expected to be overtopped by a 10 year event.

D. Proper Operation and Maintenance

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

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

The permittee has reported that provisions will be made for the cleaning and removal of debris during the fall of even numbered years. The discharge wells were reportedly cleaned during the fall of 1984.

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

E. Entry and Inspection

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

1. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

4. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the appropriate rules and regulations of the Department, any substances or parameters at any location.

F. Environmental Monitoring Program for Groundwaters of the State

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. The permittee shall prepare records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation to be retained for a period of at least 3 years after closure of the facility.

3. Records of monitoring information shall include:

   a. The date, exact place, and time of sampling or measurements;

   b. The name(s) of individual(s) who performed the sampling or measurements;

   c. The date(s) analyses were performed;

   d. Names of individuals who performed the analyses;

   e. The analytical techniques or methods used; and

   f. The results of such analyses.

4. The prescribed program for this permitted activity is as follows:

The permittee shall keep the manhole (vault) for each recharge well free of debris, silt and sand and other material such that runoff will not be prevented from entering any recharge well.

Periodic maintenance records for the recharge wells will be kept by the permittee. Included in those records will be water levels in the wells; amount of fill-up in each manhole (vault); visual observations of the settling basin around the well and the surrounding area on the surface; and visual observations of damage to the facilities. Copies of all records will be submitted annually to the Water Quality Division.

One nearby domestic shallow well will be sampled within 30 days of issuance of this permit and once annually thereafter to identify quality changes which may be due to an influx of runoff water (State Engineer permit #U.W. 56202, Outland #1). Parameters for analyses include, as a minimum: Na, Cl, SO4, NO3-N, TDS, oil and grease, pH and static water level. This abbreviated list may be expanded if deemed necessary by the Water Quality Division. All analytical results will be submitted to the Water Quality Division as soon as results are available.

Potentiometric data and a map with flow lines will be submitted to the Water Quality Division based on data from the recharge wells and from any other accessible nearby wells within 90 days following permit issuance.

G. Requirements for Monitoring the Discharge

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

These requirements are not applicable.

H. Test Procedures

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

I. Records and Reports

1. The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the report or application.

2. The permittee shall give notice to the Administrator as soon as possible of any planned physical alterations or additions to the permitted facility.

3. The permittee shall give advance notice to the Administrator of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

4. Monitoring results shall be reported at intervals specified elsewhere in the permit.

5. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

6. The permittee shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time the permittee becomes aware of the circumstances. The report should include:

   a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable Groundwater of the State.

   b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable Groundwaters of the State.

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

7. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 6. above.

8. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Administrator, it shall promptly submit such facts or information.

9. The permittee shall retain all records concerning the nature and composition of injected fluids until 5 years after completion of any specified plugging and abandonment procedures. The Administrator may require the owner/operator to deliver the records to the Administrator at the conclusion of the retention period.

10. A subsurface discharge (injection) well may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, a Groundwater Pollution Control Permit has been issued by the Department for the proposed operation, and:

    a. Well construction is complete and the permittee has submitted notice of completion of construction to the Administrator, and

    b. The Administrator has inspected or otherwise reviewed the subsurface discharge (injection) well and finds it in compliance with the conditions of the permit; or the permittee has not received notice from the

Administrator of intent to inspect or otherwise review the facility within 13 days of the notice of a. above, in which case prior inspection or review is waived, and

c. Well mechanical integrity testing has been proven or demonstrated to the satisfaction of the Administrator.

Part 10 is not applicable to this permit.

11. Annual reports shall be submitted to the Administrator within 30 days following the anniversary date of the permit.

12. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the Administrator within 30 days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

J. Permit Actions

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

1. Violation of the permit;

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

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

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

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

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

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

Not applicable.

K. Mechanical Integrity

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

Visual observations of the performance of the system and of the presence of silts and debris in the manholes (vaults).

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

Nothing in this permit constitutes an endorsement of the construction or 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, an does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit.

L. Abandonment

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

Abandonment procedures will be implemented upon the discontinuance of each particular well or upon the termination of the useful operation of a well.

M. Duties of the Permittee

It is a duty of the permittee to:

1. Comply with all permit conditions;

2. Halt or reduce activity -- it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the permit conditions;

3. Take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit;

4. Furnish to the Administrator within a reasonable time, any information which the Administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit; and furnish to the Administrator, upon request, copies of records required to be kept by this permit.

N. Financial Responsibility

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

Not applicable.

O. Special measures the Director finds necessary:

In the event of unauthorized discharges, the permittee will take immediate corrective action as may be required.

P. Special permit conditions:

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

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

Q. Signatories Requirement

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

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

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

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

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

1. The authorization is made in writing by one of the described principals;

2. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and

3. The written authorization is submitted to the Administrator.

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

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

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immedi-

ately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment."

R. Noncompliance

Any permit noncompliance constitutes a violation of the permit.

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

S. Permit Transfer

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

T. Responsibilities

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

U. Property Rights

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

V. Severability

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

7-10-85

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

July 9, 1985

CERTIFIED

Roger A. Brookwell
Mayor, City of Worland
P.O. Box 226
Worland, WY 82401

RE: Application for Permit to Discharge to Groundwater for Worland Street Sumps, DEQ/WQD Ref. No. GPC 85-222

Dear Mayor Brookwell:

The Department of Environmental Quality, Water Quality Division received the application for a permit to discharge to groundwater for the Worland street sumps on May 7, 1985. Upon review of the application by the groundwater section, it was noted that the application was not complete and additional information was necessary before the permit could be issued. During a phone conversation with Bob Shelton, Worland's city engineer, on May 9, 1985, additional information was requested and 30 days were verbally given to respond. The information has not been received to date.

These sumps have been constructed without a permit to discharge to groundwater in direct violation of the provisions of the Wyoming Environmental Quality Act. Any person who violates any provision of the Environmental Quality Act, or any rule, standard, permit, license or variance adopted thereunder is liable to a penalty of $10,000.00 for each day of violation, which penalty may be recovered in a civil action brought by the Attorney General in the name of the People of the State of Wyoming.

Through conference and concilliation, the Department of Environmental Quality, Water Quality Division, has been unable to obtain the required information for the permit to discharge to groundwater. If the following information is not received within 15 days of receipt of this letter, the Department of Environmental Quality, Water Quality Division, will have no other recourse than to refer this matter to the Attorney General's office.

1. The interval of the slots for the 3 sumps located at SE NW S30, T47N, R92W, and NE NE S25, T47N, R92-1/2W.

2. Proper numbering of the sumps for easy identification.

3. The drainage area for the sump near the intersection of Pulliam and 13th Street.

4. Available background groundwater quality data for the immediate area.

5. Effect of the 100 year flood.

6. Provisions for inspection and cleaning out of debris on a regular basis.

7. Life expectancy of the sumps and plans for well abandonment.

Note that future sumps must have a permit to discharge before construction. If you have any questions, please feel free to call me at (307) 777-7084.

Sincerely,

Matt Langenfeld

Matthew M. Langenfeld
Groundwater Compliance Specialist

MML/nc
Enclosure

cc: Bob Shelton, P.O. Box 226, Worland, WY 82401
William L. Garland, DEQ/WQD
Jake Strohman, DEQ/WQD
A. J. Mancini, DEQ/WQD

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING
CHEYENNE, WYOMING 82002
TELEPHONE 307 777-7781

February 27, 1985

CERTIFIED

Mr. Bob Shelton
P.O. Box 226
Worland, WY 82401

Dear Bob:

Enclosed is a copy of the Department of Environmental Quality, Water Quality Division, Rules and Regulations, Chapter IX, Wyoming Groundwater Pollution Control Permit. Section 3.a. Applicability; General states "These regulations shall apply to any discharge to the subsurface including the vadose zone which could render any groundwater of the State unsuitable or degrade it for all uses for which it was suitable prior to discharge." Section 5.a. Permit Application states "The owner/operator of a subsurface discharge facility shall apply for a permit in accordance with these regulations." The wells distributed throughout the City of Worland for surface runoff are in violation of these provisions of Chapter IX.

Also enclosed are 3 copies of form GPC-4, Application for Wyoming Groundwater Pollution Control Permit, and a completed copy for comparison. If your subsurface discharge wells are located close together and are of similar construction, you may include them all the the same application. Please submit this application in triplicate to the Department of Environmental Quality, Water Quality Division, within 30 days of receipt of this letter. Ensure that an application for all of the City of Worland subsurface discharge wells is submitted and that applications for future wells are filed with the Department of Environmental Quality, Water Quality Division.

If you have any questions, please feel free to contact me at 307-777-7084.

Sincerely,

Matt Langenfeld

Matthew M. Langenfeld
Groundwater Compliance Specialist

MML/nc
Enclosures

cc: Ed Baruth, DEQ/WQD, Lander

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-223RR
Ref. No. 84-520
MA 14542

Cottonwood Development - Chaparral Addition
(Name of Facility)

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

Brooks Water and Sewer District

P.O. Box 2080

Mills, WY 82644

to construct, install, or modify a water distribution and sewer collection systems facility according to the procedures and conditions of the application No. 85-223RR. The facility is located in Section 22, T33N, R80W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

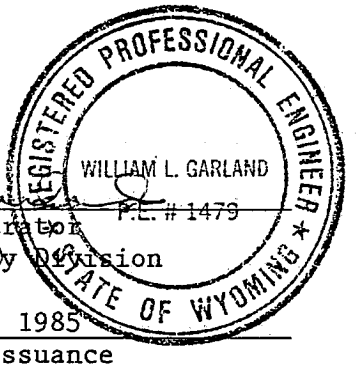
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

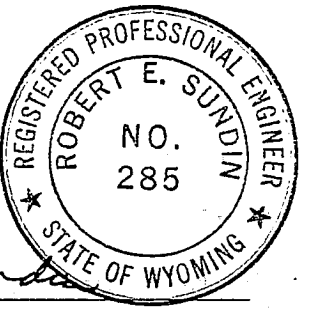
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:





Administrator
Water Quality Division

Director
Dept. of Environmental Quality

May 29, 1985
Date of Issuance

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

cc: Terry L. Titus
Worthington, Lenhart, Carpenter & Johnson Inc.
632 So. David Street
Casper, WY 82601

5-16-85

Review of Plans and Specifications

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

PROJECT: Cottonwood Development Chaparral Addition

ARCHITECT OR ENGINEER: Terry L. Titus
Worthington, Lenhart, Carpenter & Johnson, Inc.
432 South David Street, Casper, WY 82601

APPLICANT: Brooks Water and Sewer District
P. O. Box 2080, Mills, WY 82644

WATER QUALITY DIVISION REFERENCE NUMBER: 85-223, Ref. No. 84-520

REVIEWING ENGINEER: CN Christian G. Norman, EIT
LeRoy C. Feusner, P.E.

DATE OF REVIEW: May 10, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. On sheets 3/5 and 4/5, the water line profiles are not shown.

2. With the implementation of Chapter XI, Water Quality Division Rules and Regulations for Wastewater Collection and Treatment Systems and Chapter XII, Water Quality Division Rules and Regulations for Water Supply Treatment and Distribution Systems, the Brooks water and sewer specifications are not authorized until they have been reviewed and reauthorized by the Water Quality Division. Casper Board of Public Utilities water and sewer specifications are valid as they were reviewed in the plan approval delegation program phase.

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

2161 COFFEEN AVENUE,
SUITE 601

SHERIDAN, WYOMING 82801

TELEPHONE 307-672-6457

December 29, 1986

Mr. Ralph Goodson
Bearlodge Engineering
P.O. Box 130
Sundance, Wyoming 82729

RE: DEQ/WQD Reference No. 85-224, Application for Permit to Construct, Sundance Emergency Water Chlorination System.

Dear Mr. Goodson:

This letter is a follow-up to our telephone conversation on December 17, 1986, concerning the subject permit application. It is my understanding that the system was never built and the application is to be withdrawn from our files.

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.

The plans you submitted for this application are enclosed.

Sincerely,

Rich Ruyle

Rich Ruyle
District Supervisor

RR:ls

Enclosures

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

May 30, 1986

RECEIVED
JUN 02 1986
WATER QUALITY DIVISION
WYOMING

Mr. Ralph Goodson
Bearlodge Engineering
P.O. Box 130
Sundance, Wyoming 82729

Dear Mr. Goodson:

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:	Town of Sundance, Emergency Water Chlorination System
DEQ/WQD Reference Number:	85-224
DEQ/WQD Reviewing Engineer:	Rich Ruyle
Date of DEQ/WQD Review:	May 20, 1985

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,

Rich Ruyle
District Supervisor

RR:ls

Norma

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Town of Sundance
Emergency Water Chlorination System

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

WATER QUALITY DIVISION
REFERENCE NUMBER: 85-224

REVIEWING ENGINEER: Rich Ruyle RR

DATE OF REVIEW: May 20, 1985

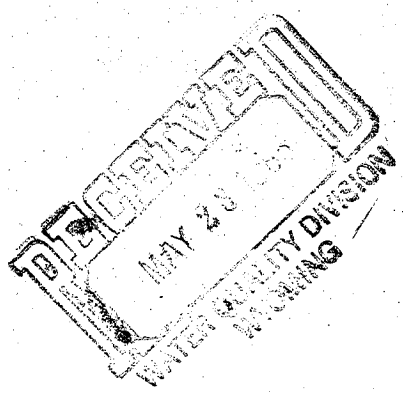
ACTION: Not Authorized

COMMENTS:

1.) It is understood that the chlorination system has been or will be installed on an emergency basis. You will provide an application sheet and more detailed information on the system when it is available.

2.) Is this to be a permanent system?

3.) If 40 gpm is the actual flow rate from the spring, then retention time in the contact chamber will be 20 minutes. How close is the nearest service connection to the contact tank?



S-25

PERMIT TO CONSTRUCT

/xx/ New

/ / Renewal

/ / Modified

Permit No. 85-225
MA 14342

PP & L Co., Rock Springs
Water Main Extension on Cache Valley Dr.
(Name of Facility)

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

Pacific Power & Light Company

920 S.W. Sixth Avenue

Portland, Oregon 97204

to construct, install, or modify a 300 feet of 6 inch water main and appurtenances on Cache Valley Drive facility according to the procedures and conditions of the application No. 85-225. The facility is located in Sec. 28, T19N, R105W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

June 19, 1985
Date of Issuance

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

Director
Dept. of Environmental Quality

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

6-5

PERMIT TO CONSTRUCT

/XX/ New

/ / Renewal

/ / Modified

Permit No. 85-226
MA 14542

Mountain View Commercial Park
(Name of Facility)

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

Town of Mountain View

P.O. Box 249

Mountain View, WY 82939

to construct, install, or modify a water distribution and sewage collection lines to serve the Mountain View Commercial Park facility according to the procedures and conditions of the application No. 85-226. The facility is located in Sec. 13, T15N, R115W 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-

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

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

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

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

AUTHORIZED BY:

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

William L. Garland
Administrator
Water Quality Division

May 29, 1985
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

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

8-12

PERMIT TO CONSTRUCT

/ / New

/ / Renewal

/XX/ Modified

Permit No. 85-227R
Ref. No. 82-528RR
MA 14542

Star Valley Ranch R.V. Park
(Name of Facility)

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

Star Valley Ranch R.V. Park

P.O. Box 127

Thayne, WY 83127

to construct, install, or modify a water and sewer system to serve R.V. lots facility according to the procedures and conditions of the application No. 85-227R. The facility is located in Sec. 6, T34N, R118W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

July 31, 1985
Date of Issuance

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

Director
Dept. of Environmental Quality

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

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF EVIRONMENTAL QUALITY

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

RECEIVED
JUL 3 1985
WATER QUALITY DIVISION
WYOMING

PROJECT: Star Valley Ranch R.V. Park
1985 Expansion

ENGINEER: Charles King
925 E. Executive Park Dr., Suite A
Salt Lake City, UT 84117

OWNER: Leisure Valley, Inc.
P.O. Box 127
Thayne, WY 83127

WATER QUALITY DIVISION REFERENCE NUMBER: 85-227

REVIEWING EVALUATOR: Jeff Hermansky

DATE OF REVIEW: July 1, 1985

ACTION: **Not authorized.**

COMMENTS:

This office has reviewed your proposed changes to the Star Valley Ranch R.V. Park 1985 Expansion and finds that the following items need to be addressed:

1. The Water Quality Rules and Regulations require that a completed application form be submitted with all applications for permits to construct. The application must be signed by the owner.

I have enclosed for your use, two copies of the application form.

2. As a matter of clarification, is it correct that the sewer design and plans are unchanged from what was already authorized under DEQ permit number 82-528RR?

3. Is it correct that the specifications for 82-528RR are also to be the specifications for the 1985 amendment to the R.V. Park?

4. Three copies of all plans must be submitted with an application for a permit to construct. You have submitted 3 copies of the entire SVR Master Plan but only 1 copy of the "1985 Expansion, Star Valley Ranch R.V. Park," sewer, water & electric system plans, job 3007, sheet 1, dated 3-15-85 and only 1 copy each of SVR R.V. Park master plan job 3007, sheets 1 and 2, dated 3-10-85.

Please submit the appropriate number of sheets.

5. The plan sheets and cover letter show different addresses for King Associates. Please clarify what address is correct and current.

7-1

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-228R
MA 14542

Sorenson Industrial Area-Sewer Improvement No. 1
(Name of Facility)

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

P.E. Grosch Construction, Inc.

P.O. Box 36

Worland, WY 82401

to construct, install, or modify a 8 inch PVC sewer line consisting of about 2,000 ft. facility according to the procedures and conditions of the application No. 85-228R. The facility is located in Sec. 24, T47N, R93W 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 dur-

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

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

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

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

AUTHORIZED BY:

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

William L. Garland

Administrator
Water Quality Division

June 25, 1985
Date of Issuance

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

Robert E. Sundin

Director
Dept. of Environmental Quality

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

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF EVIRONMENTAL QUALITY

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

RECEIVED
MAY 22 1985
WATER QUALITY DIVISION
WYOMING

PROJECT: Sorensen Industrial Area-Sewer Improvements - Norwood

ENGINEER: Stanton J. Abell, Jr.
P.E. Grosch Construction, Inc.
P.O. Box 36
Worland, WY 82401

OWNER: P.E. Grosch Construction, Inc.
P.O. Box 36
Worland, WY 82401

WATER QUALITY DIVISION REFERENCE NUMBER: 85-228

REVIEWING ENGINEER: Ed Baruth Ed

DATE OF REVIEW: May 17, 1985

ACTION: Not authorized.

COMMENTS:

1. Verify that sewer will not be closer than 10 feet horizontally or 1.5 feet vertically from possible water mains.

2. Verify what type of wastes will be discharged to the Worland sewage system. The industrial nature of the area and listed properties indicate a possible problem with waste constituents.

EB/jw
copy: Tom Conrardy, DEQ/WQD, Cheyenne
Bob Shelton, City of Worland

AC

5-20-85

PERMIT TO CONSTRUCT

[X] New

[ ] Renewal

[ ] Modified

Permit No. 85-229
SEE CONDITION ON BACK
MA 14542

Bingo Fuel Stop
(Name of Facility)

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

Telum, Incorporated

P.O. Box 449

Provo, UT 84603

to construct, install, or modify a commercial wastewater collection facility according to the procedures and conditions of the application No. 85-229. The facility is located in Section 22, T21N, R86W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

May 14, 1985
Date of Issuance

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

Director
Dept. of Environmental Quality

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

Condition to Permit to Construct #85-229

The water storage tank shall be installed above the level of the groundwater.

cc: Christine A. Burgess
Robert Jack Smith & Associates, Inc.
P.O. Box 1104
Rawlins, WY 82301

5-20-85

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-230
MA 14689

Kimball/Collins Water Main Replacement
(Name of Facility)

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

Casper Board of Public Utilities

200 North David Street

Casper, WY 82601

to construct, install, or modify a public water supply distribution system facility according to the procedures and conditions of the application No. 85-230. The facility is located in Sections 9 and 10, T33N, R79W in the County of Natrona, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
STATE OF WYOMING

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

Robert E. Sundin
Director
Dept. of Environmental Quality

May 16, 1985
Date of Issuance

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

cc: John Donmyer
HNTB
907 North Poplar, Suite 250
Casper, WY 82601

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-231R
MA 14542

NIOBRARA PARK WATER SYSTEM IMPROVEMENTS
(Name of Facility)

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

Niobrara Park Improvement District
P.O. Box 304
Lusk, Wyoming 82225

to construct, install, or modify a water line extension

facility according to the procedures and conditions of the application No. 85-231R. The facility is located in Sec. 8, T.32N., R.63W.

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

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

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

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

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

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

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

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

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

AUTHORIZED BY:

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

William L. Garland
Administrator
Water Quality Division

June 28, 1985
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Stephen O. Sandvik
Wells Engineers, Inc.
P.O. Box 554
Gering, NE 69341

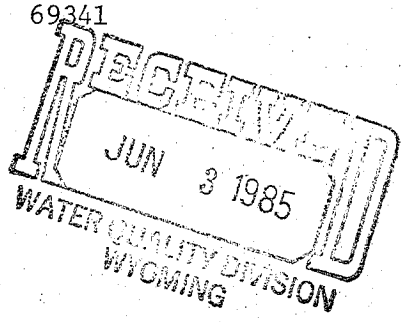
Norma

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Niobrara Park Water System Improvements

ARCHITECT OR ENGINEER: Stephen O. Sandvik
Wells Engineers, Inc.
P.O. Box 554
Gering, Nebraska 69341



WATER QUALITY DIVISION
REFERENCE NUMBER: 85-231

REVIEWING ENGINEER: Rich Ruyle RR

DATE OF REVIEW: May 30, 1985

ACTION: Not Authorized

COMMENTS:

1.) We need verification that the City has reviewed and accepted these plans to ensure that they are willing and able to supply water to the development.

2.) Please verify that adequate water pressure can be provided for the subdivision (35 psi normally, 20 psi under all conditions of flow).

3.) Chapter XII of our regulations requires that residential water connections be provided with a check valve at the meter or in the service line.

4.) Chapter XII also requires that where the minimum vertical and/or horizontal clearances (18 inches and 10 feet, respectively) cannot be maintained between sewer and water lines, then the water or sewer line shall be placed in a separate conduit. Include this provision in the project specifications if it will be needed. The sewer crossings on 2nd, 3rd, and 4th Avenues are not shown in profile, so I do not know what their clearances will be.

I have enclosed a copy of the recently adopted Chapter XII for your reference.

PERMIT TO CONSTRUCT

/ / New

/ / Renewal

/X/ Modified

Permit No. 85-232RR

SEE CONDITIONS ON BACK

MA 14542

WASTEWATER TREATMENT FACILITY IMPROVEMENTS
(Name of Facility)

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

Town of Dayton

P.O. Box 176

Dayton, Wyoming 82836

to construct, install, or modify a improvements to wastewater treatment facility according to the procedures and conditions of the application No. 85-232RR. The facility is located in Sec. 28, T.57N., R.86W. 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.

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

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

August 2, 1985
Date of Issuance

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

Director
Dept. of Environmental Quality

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

CONDITIONS

1) Sludge handling, testing and disposal shall be in accordance with requirements outlined in correspondence with E. J. Fanning, Water Quality Division, in Cheyenne.

2) The outlet manhole invert elevation shall be lowered to 3958.52 as described in correspondence dated July 24, 1985.

xc: Roger Reich
Engineering Inc. of Wyoming
45 East Loucks, Suite 301
Sheridan, WY 82801

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
2161 Coffeen Ave., Suite 601
Sheridan, Wyoming 82801

PROJECT: Dayton Sewage Treatment Lagoons
Dayton, Wyoming

ARCHITECT OR ENGINEER: Jim Willey
Engineering Inc. of Wyoming
45 E. Loucks Suite 301
Sheridan, Wyoming 82801

WATER QUALITY REFERENCE NUMBER: 85-232R

REVIEWING ENGINEER: Susan Holmes SH

DATE OF REVIEW: July 16, 1985

ACTION: Not Authorized

COMMENTS:

The information discussed in our recent telephone conversations has not been received. A Permit to Construct can not be issued until we receive:

1) updated specifications.

2) written documentation of sludge drying, testing and disposal operations. This should be submitted to E. J. Fanning in Cheyenne.

3) revisions to provide draw off down to a 3 foot level, or elevation 3958.

4) provide a scum baffle at the drawoff from Cell 3.

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT:	Sewage Treatment Plant Improvements Town of Dayton, Wyoming
ARCHITECT OR ENGINEER:	Roger Reich Engineering Inc. of Wyoming 45 East Loucks, Suite 301 Sheridan, Wyoming 82801
WATER QUALITY DIVISION REFERENCE NUMBER:	85-232
REVIEWING ENGINEER:	Susan Holmes SH
DATE OF REVIEW:	June 3, 1985
ACTION:	Not Authorized

COMMENTS:

1) The plans and specifications, in general, lack sufficient completeness and detail to enable a comprehensive review. The plans lack details, for example, in the construction of the new outfall. What is the length and slope of the outfall pipe? Is there a ditch from the pipe to the water? Is the outfall protected from flooding? The manholes on the plan view are not labeled to indicate which detailed manhole is installed at which location. The valves are not specified, gate or butterfly. A detail should be included. Division 1, Section 1-C, Major Plant Equipment, Articles 1 and 2 of the specifications are not complete. Please revise the plans and specifications to bring them up to an acceptable level of detail.

2) An engineering design report must be submitted. The report should address items noted in Chapter XI, Part A, Section 6 of the Water Quality Rules and Regulations.

3) The plan view of the facility should provide more detail of elevations and dimension. Although this project is a modification of an existing system, more detail should be given for side slopes, embankment height, top of berm widths, etc. A drainage ditch to divert storm runoff around the lagoon should be shown.

4) What is the diameter of the flow metering manhole? I question whether a self-contained 3-inch Parshall flume will fit in a standard manhole. Perhaps it would be better to place the flume in a vault to allow greater accessibility for installation, operation and maintenance. A detail should be shown of the flow monitoring facility or shop drawings called for in the specifications.

5) Please verify that the 15 feet between the outlet manhole and flow metering manhole is a sufficient distance of unobstructed flow for the flume to function properly.

6) The work at the Tongue River bank to construct the new outfall structure and to remove the existing facility will most likely be covered under the Corps of Engineers Nationwide General Permit, and a 404 permit will not be required. The conditions of operation under the General Permit should be included in the specifications along with a statement that if these conditions cannot be met, that a 404 permit will be obtained.

7) The minimum thickness allowed for a synthetic liner is 30 mils. The liner must be covered with at least 12 inches of soil at all locations, including the lagoon bottom and side slopes. Please revise the plans and specifications accordingly.

8) Because of the high groundwater at the site, stabilization of the liner may be necessary to prevent it from rising.

9) At what intervals are the liner gas vents placed? Will groundwater interfere with operation of the vents?

10) Where is the flow recorder mounted?

11) Level control down to a two foot depth at the outlet manhole from Cell 3 does not appear possible.

12) The different drawoff pipes in the Cell 3 outlet should have values or slide gates.

13) Baffling is needed at the final outlet to prevent scum overflow.

14) What is the floating baffle for and where are they located?

15) The Groundwater Section in Cheyenne is reviewing this project. Additional comments are pending.

WATER QUALITY DIVISION
GROUNDWATER SECTION
PERMIT APPLICATION REVIEW

Norma - Ret to Sheridan 6/12

APPLICATION NUMBER 85-232

DATE SUBMITTED FOR REVIEW 6/4/85

NAME AND LOCATION OF FACILITY DAYTON, WY
Sewage Treatment Plant
Improvements

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

(✓) No comment. The submittal is consistent with current groundwater protection procedures and requirements.

( ) Comments attached.

SIGNED Richard J Lennox

TITLE Eng Eval

DATE 6/12/85

ACCEPTED FOR RECORD _____ (Date)

[signature]
Groundwater Control Supervisor

5-20-85

PERMIT TO CONSTRUCT

/X/ New

/__/ Renewal

/__/ Modified

Permit No. 85-233
MA 14542

Margaret McKee Residences
(Name of Facility)

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

Margaret McKee

1810 Ritzke Road

Cheyenne, WY 82009

to construct, install, or modify a subsurface wastewater treatment and disposal system for 2 homes according to the procedures and conditions of the application No. 85-233. The facility is located in Section 24, T15N, R68W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

William L. Garland
Administrator
Water Quality Division

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

Robert E. Sundin
Director
Dept. of Environmental Quality

May 14, 1985
Date of Issuance

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

cc: David A. Finley
106 E. 27th Street
Cheyenne, WY 82001

Don Pack
Laramie County Environmental Health
1700 Snyder Ave.
Cheyenne, WY 82001

10-23-85
85-234

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

October 23, 1985

CERTIFIED

Brian Sheets
Halliburton Services
745 East North
Powell, WY 82435

Dear Mr. Sheets:

On September 25, 1985, Bill Wright and I of the Department of Environmental Quality (DEQ), Water Quality Division (WQD), discovered that the monitor wells located at the Powell, Halliburton facility in conjunction with the unpermitted hydrochloric acid vapor were inadequate. These wells are also not built to the specifications as submitted by Steve Burford on June 4, 1985 for as built approval by the Department. Monitor well #1 had been run over by a truck and then broken off at the surface by Halliburton personnel. Monitor well #1 could act as a direct conduit for contamination of groundwater.

Steve Burford reported that the wells were cemented at the surface. Cement was not noticed during the investigation and sampling by DEQ personnel. Both monitor wells are roughly upgradient of the "sump" and may not detect a plume of contaminants downgradient of the potential source. Additionally a third monitor well is necessary to confirm the direction of groundwater flow and provide additional analytical data.

The PVC casing broken off at the surface on monitor well #1 and the lack of cement at the surface of monitor well #1 and monitor well #2 constitute a violation of the Environmental Quality Act WS 35-11-301(a)(i) and (iii).

The DEQ/WQD requests that Halliburton provide the Department with construction specifications for the renovation or reconstruction of monitor well #1 and monitor well #2, including placement of surface cement and protective casing in the cement with locking lids and inner caps. The Department also requests that an additional monitor well be installed downgradient of the "sump". Application forms for the renovation of monitor well #1 and monitor well #2 and the placement of a third well are enclosed. The Department requests that these completed applications be received within 30 days of receipt of this letter. Also that the renovation of monitor well #1 and monitor well #2 and the placement of a third monitor well be performed within 30 days of the receipt of a permit to construct or verbal equivalent by DEQ/WQD personnel.

Upon placement of a third monitor well, the Department requests the elevations of the tops of the casings of monitor well #1-#3, static water elevations and that

samples be split between the DEQ/WQD groundwater section and Halliburton or its representatives.

If you have any questions, feel free to contact the undersigned at (307) 777-7084.

Sincerely,

Matt Langenfeld

Matthew M. Langenfeld
Groundwater Compliance Specialist

MML/nc

cc: Weldon Caldbeck, Attorney General's Office
William L. Garland, DEQ/WQD, Cheyenne
Jake Strohman, DEQ/WQD, Cheyenne
A. J. Mancini, DEQ/WQD, Cheyenne
Steve Gerber, DEQ/WQD, Lander
Bill Wright, DEQ/WQD, Lander

THE STATE OF WYOMING

Matt

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

June 12, 1985

Steve Burford
Senior Environmental Engineer
Halliburton Services
Drawer 1431
Duncan, OK 73536-0100

RE: Halliburton Services, Powell service center, groundwater monitor network, DEQ/WQD Ref. No. 85-234

Dear Mr. Burford:

Your submittal for the observation wells at the Halliburton service location in Powell, Wyoming (DEQ/WQD reference number 85-234) has been reviewed and is hereby accepted for the record with the following conditions:

> These wells were installed for the purpose of defining and monitoring groundwater contamination. Depending upon interpretation of the monitoring data by the Water Quality Division, the facility may require further definition of the extent of contamination and continued monitoring. This may include additional observation wells.

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

If you have any questions, contact Matt Langenfeld of our office.

Sincerely,

William L. Garland, P.E.
Administrator

WLG/MML/pjb

cc: 85-234 file

5-20-85

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-235
SEE CONDITIONS ATTACHED TO THIS PERMIT
MA 14542

Wyoming State AML Project #0404-Q
(Name of Facility)

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

City of Rock Springs

Box 698

Rock Springs, WY 82901

to construct, install, or modify a dust control facility according to the procedures and conditions of the application No. 85-235. The facility is located in Sections 23 and 24 of T19N, R105W and Sections 1, 2, 11 and 12 of T18N, R105W in the County of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of one 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.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

May 15, 1985
Date of Issuance

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

Director
Dept. of Environmental Quality

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

This permit authorizes you to dispose of mine pit water on the surrounding roads as required for dust control.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 85-235

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 defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-236R
MA 1454

1985 Rawlins Sewer Main Replacement - UPRR Sewer Relocation
(Name of Facility)

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

City of Rawlins - Public Works Department

P.O. Box 953

Rawlins, WY 82301

to construct, install, or modify a sewer main facility according to the procedures and conditions of the application No. 85-236R. The facility is located in Section 16, T21N, R87W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

May 24, 1985
Date of Issuance

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

cc: Jerry D. Miller
City Engineer
P.O. Box 953
Rawlins, WY 82301

5-17-85

Review of Plans and Specifications

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

PROJECT: 1985 Rawlins Sewer Main Replacement, UPRR Sewer Relocation, Carbon Co.

ARCHITECT OR ENGINEER: Jerry D. Miller, City Engineer
City of Rawlins, P.O. Box 953, Rawlins, WY 82301

APPLICANT: City of Rawlins, Public Works Department
P.O. Box 953, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: ~~85-~~236

REVIEWING ENGINEER: Christian G. Norman, E.I.T. and Thomas S. Norman, P.E.
TSN

DATE OF REVIEW: May 14, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. No profile of the sewer line section is shown between manhole No. 3 and manhole No. 4.

2. What is the location of the existing sewer line which is being replaced?

CGN/TN/nc

6-18

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

June 18, 1985

Cheyenne Board of Public Utilities
P.O. Box 1469
Cheyenne, WY 82003

RE: DEQ/WQD Ref. No. 85-237RR

Gentlemen:

We have completed our review of the Water and Sanitary Sewer Design and Construction Specifications for the City of Cheyenne 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 Cheyenne need only refer to the above specifications on the plan sheet.

Sincerely,

William L. Garland
Administrator

WLG/TSN/nc

Binder

Review of Plans and Specifications

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

PROJECT: Cheyenne Standard Specifications, Laramie County

ARCHITECT OR ENGINEER:

APPLICANT: Cheyenne Board of Public Utilities
P. O. Box 1469, Cheyenne, WY 82003

WATER QUALITY DIVISION REFERENCE NUMBER: 85-237R

REVIEWING ENGINEER: Thomas S. Norman TSN

DATE OF REVIEW: June 11, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Section 2.07(b). The wrong paragraph has been inserted as the section is referring to crossings and the paragraph on horizontal separation was inserted instead. Section 4.07 appears to be correct.

2. If you want us to return a signed copy, please enclose an additional set.

5-16-85

Review of Plans and Specifications

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

PROJECT: Cheyenne Standard Specifications, Laramie Co.

ARCHITECT OR ENGINEER:

APPLICANT: Cheyenne Board of Public Utilities
P.O. Box 1469, Cheyenne, WY 82003

WATER QUALITY DIVISION REFERENCE NUMBER: 85-237

REVIEWING ENGINEER: Thomas S. Norman TSN

DATE OF REVIEW: May 15, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Section 1.03. Reference should be to Department of Environmental Quality, Water Quality Division, Chapter XII for water standards.

2. Section 2.02. The 150 gpcd rate should be clarified as to whether it is average daily flow, peak daily flow, etc.

3. Section 4.02, 2nd paragraph. The referenced Table 1 provides for average daily flows or peak daily flows as evidenced by a single family dwelling rate of 75 gpcd. I don't understand how you are going to obtain a peak hourly flow rate which is necessary to design sewers. Ten State Standards uses a ratio of about 4:1. The Department of Environmental Quality, Water Quality Division, regulations messed up on this in Chapter XI by not providing a method of going from a daily flow to an hourly flow.

4. Section 2.07 and 4.07, Separation of Water and Sewer. I suggest that the 2nd "(b)" be made identical for both sections as they are not the same. Section 4.07 would allow water and sewer in the same trench if the water is 18 inches higher. Whereas, Section 2.07 requires water main material regardless of vertical separation.

   In the cases where you are laying a water main and the sewer is already in place, your specifications require that you dig up the sewer line and replace it with water main material if the separation requirements cannot be met. Is there an alternative that is acceptable to you where you would not have to mess with the sewer and still provide adequate protection?

   Section 4.11(5)(b) and (d) do not appear to be consistent with Section 2.07 and 4.07.

5. The Department of Environmental Quality, Water Quality Division, would like to receive copies of the design reports with the plan submittals.

6. Section 4.11(1)(c). Why is AWWA C-900 included? It is not equivalent to ASTM F679. Same comment applies to Section (2)(b).

TSN/nc

Binder

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-238R
MA 14542

Seminoe Boat Club Water System
(Name of Facility)

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

Seminoe Boat Club, Inc.

P.O. Box 182

Rawlins, WY 82301

to construct, install, or modify a public water distribution system and storage tank facility according to the procedures and conditions of the application No. 85-238. The facility is located in Section 4 and 9, T24N, R84W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

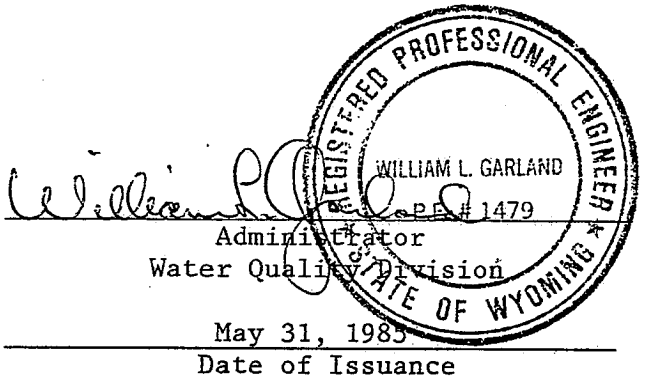
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

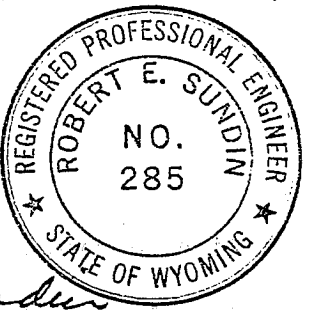
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



Administrator
Water Quality Division

May 31, 1985
Date of Issuance



Director
Dept. of Environmental Quality

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

cc: Christine A. Burgess
Robert Jack Smith & Associates
P.O. Box 1104
Rawlins, WY 82301

5-24-85

Review of Plans and Specifications

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

PROJECT: Seminoe Boat Club Water System, Carbon Co.

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

APPLICANT: Seminoe Boat Club, Inc.
P.O. Box 182, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 85-238

REVIEWING ENGINEER: Christian Norman, E.I.T. and Thomas S. Norman TSN

DATE OF REVIEW: May 23, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. What are the number and type of facilities that are connected to the system? What is the potential number or the number of lots that are undeveloped? We need to evaluate whether or not the 50 gpm peak hourly flow rate is reasonable.

2. Why does the booster pump have such a high flow rate? A 164 gpm pump seems way over designed if the peak hourly flow rate is only 50 gpm. It would seem that the pump would keep turning on and off rather than having a smooth continuous flow. A 50 gpm pump seems more appropriate. Your pump will also cause very high surges.

3. In the pressure analysis where the booster pump is on and the well is off, why or how was the 114 gpm flow going to be removed at the well? This does not seem realistic. To say this 114 gpm flow will pressurize the lines does not make sense. It indicates to one that there will be very short cycle times.

4. Air release valves are required at high points.

5. Does the solenoid shut-off valve (at the tank) close when the booster pump is running? Otherwise the water will recycle back to the tank.

CN/TSN/nc

5-23

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-239
MA 14542

Medicine Bow Museum
(Name of Facility)

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

Town of Medicine Bow

P.O. Box 156

Medicine Bow, WY 82329

to construct, install, or modify a sewage holding tank facility according to the procedures and conditions of the application No. 85-239. The facility is located in Section 8, T22N, 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.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

May 20, 1985
Date of Issuance

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

Director
Dept. of Environmental Quality

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

cc: Mr. Joseph Lord
Banner Associates, Inc.
620 Plaza Court
Laramie, WY 82070

5-23

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-240
MA 1542

Big Country Estates, 2nd Filing
(Name of Facility)

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

Keith Yosten

P.O. Box 111A

Cheyenne, WY 82003

to construct, install, or modify a public water supply distribution and wastewater collection systems for eight (8) mobile home lots facility according to the procedures and conditions of the application No. 85-240. The facility is located in Section 20, T13N, R66W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

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

William L. Garland
Administrator
Water Quality Division

Robert E. Sundin
Director
Dept. of Environmental Quality

May 17, 1983
Date of Issuance

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

cc: Joseph E. Kub, P.E.
1750 Westland Road
Cheyenne, WY 82001

6/05

PERMIT TO CONSTRUCT

/XX/ New

/ / Renewal

/ / Modified

Permit No. 85-241

MA 14542

Riverton Water & Sewer Improvements-Watt Court
(Name of Facility)

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

City of Riverton

P.O. Box 1700

Riverton, WY 82501

to construct, install, or modify a water and sewer line and appurtenances facility according to the procedures and conditions of the application No. 85-241. The facility is located in Sec. 29, T1N, R4E in the County of Fremont, 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-

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

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

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

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

AUTHORIZED BY:

REGISTERED PROFESSIONAL ENGINEER ★ WILLIAM L. GARLAND ★ STATE OF WYOMING

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

June 12, 1985
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

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

6-3

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-242R
MA 14542

Lincoln-Sublette Mobile Home Park
(Name of Facility)

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

David A. Schmid

P.O. Box 96

LaBarge, WY 83123

to construct, install, or modify a water distribution and sewage collection system with lift station facility according to the procedures and conditions of the application No. 85-242R. The facility is located in Sec. 6, T26N, R112W in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

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

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

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

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

AUTHORIZED BY:

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

William L. Garland
Administrator
Water Quality Division

May 29, 1984
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

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

8-1

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

July 31, 1985

Mr. Carroll Aamold
Board of Public Utilities
P.O. Box 1469
Cheyenne, WY 82003

RE: Cheyenne, Wyoming, EPA Grant No. C560243-21, DEQ/WQD Reference No. 85-243RR, Addendum No. 1 to Dry Creek Sludge Drying Beds

Dear Mr. Aamold:

This office has reviewed addendum number 1 to the subject plans and specifications. This addendum is hereby authorized. Please include one copy of this with the previously authorized plans and specifications.

The approval of contract modifications by the Department of Environmental Quality should not be interpreted as approval for additional federal grant funds.

Sincerely,

Alan Edwards

Alan Edwards
Engineering/Grants Evaluator

AE/nc
Enclosures

cc: Gary Shimp, Black & Veatch, Denver (w/enclosure)
Archives (w/enclosure)
Grant File (w/enclosure)

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

July 31, 1985

Mr. Carroll Aamold
Board of Public Utilities
P.O. Box 1469
Cheyenne, WY 82003

RE: Cheyenne, Wyoming, EPA Grant No. C560243-21, DEQ/WQD Reference No. 85-243RR, Plans and Specifications for Dry Creek Sludge Drying Beds

Dear Mr. Aamold:

The subject plans and specifications have been reviewed by this office. They have been authorized for construction. Forwarded herewith is the permit to construct and one copy of the authorized plans and specifications for your records. One copy of these is also being forwarded to Black and Veatch for their records.

It is noted that the following items are not considered eligible for EPA participation as per our discussions of July 25, 1985:

1. The replacement of manhole A1 is not eligible as this represents a replacement of a previously EPA funded structure for maintenance purposes.

2. Participation for paving around the sludge drying beds is limited to a width of 15 feet. This reduces the eligible paving quantities by 733 square yards and the bedding gravel by 123 cubic yards.

3. The type of cleanout detail as presented is authorized for construction. It is recommended, though, that the city reconsider the type of cleanout to be installed. Please contact this office if a change is made by the city at a later date.

The city will need to submit a unit price break out of items 1 and 2 above as furnished by the contractor to establish the final eligible amounts. The price break out will need to be submitted before the contract is awarded for construction. The eligible project cost will be adjusted when this is received.

If you have any questions on the above, please contact this office at (307) 777-6351.

Sincerely,

Alan Edwards

Alan Edwards
Engineering/Grants Evaluator

AE/nc
Enclosures

cc: Gary Shimp, Black & Veatch, Denver (w/enclosure)
Tom Norman (w/copy of permit)
Archives (w/enclosure)
Grant File (w/enclosure)

7-31-85

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-243RR
EPA C560243-21
MA 1454 2

Cheyenne Dry Creek Drying Beds, Stage II-A
(Name of Facility)

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

Cheyenne Board of Public Utilities

P.O. Box 1469

Cheyenne, WY 82003

to construct, install, or modify a municipal sludge drying basins facility according to the procedures and conditions of the application No. 85-243RR. The facility is located in Section 6, T13N, R65W in the County of Laramie, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

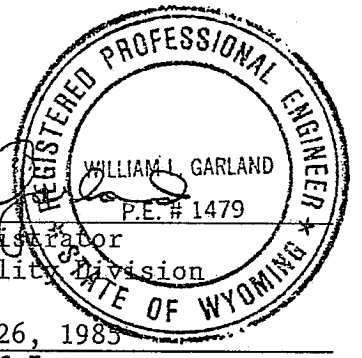
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division, the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

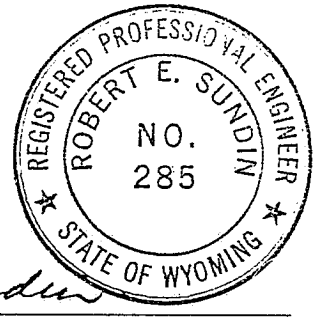
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



William L. Garland
Administrator
Water Quality Division

July 26, 1985
Date of Issuance



Robert E. Sundin
Director
Dept. of Environmental Quality

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

cc: Gary Shimp
Black & Veatch
1400 S. Potomac #200
Aurora, CO 80012

7-15

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

July 15, 1985

Mr. Carroll Aamold
Board of Public Utilities
P.O. Box 1469
Cheyenne, WY 82003

RE: City of Cheyenne, Wyoming, EPA Grant No. C560243-21, Dry Creek Sludge Drying Beds, DEQ/WQD Ref. No. 85-243RR

Dear Mr. Aamold:

This office has reviewed the revised plans and specifications for the subject project that were received on July 9, 1985. It is noted that the items identified in the review letter from this office dated June 25, 1985 have been corrected. It is further noted, however, that several additional items were modified on the plans. These additional changes were not noted in the transmittal memo or in telephone conversations with this office.

Changes made to plans and specifications after the authorization to advertise has been given causes concerns for this office. The concern is that the changes are undocumented and result in increases to the project cost. When the review has been completed on the plans and specifications, any changes need to be approved by this office. The plans and specifications as previously reviewed represent the scope of work upon with the grant amendment currently being reviewed was established. Changes at this point represent changes to that scope of work.

Specific items in question are as follows:

1. Manhole A1 - This manhole as shown on the July 9, 1985 plans is a new manhole. It represents a replacement of the existing manhole. Previous plans indicated that the new 12-inch decant line would only tie into the existing manhole. The existing manhole was constructed under the previous EPA grant for this facility. Unless it can be established that there is not alternative to replacing the manhole, the cost for the replacement would be unallowable under existing federal regulations. A bid break-out for this item would have to be provided in the bid document to allow separation of these costs for funding purposes.

2. Manhole A3 - This manhole as detailed on sheet 4 has been changed from the previous submittals. It was assumed during the last review that the stub-out was intended to provide a drain point for floor drains or other drains to be installed in the control building. Based on the new detail on this submittal, it is clear that this is not the case. No explanation as

to the intended use of this structure was provided. Unless the need for this structure can be established, the cost for the structure and related work will not be allowable and a separate bid break-out provided.

3. Significant changes have been made to the dike surfacing around the sludge beds. The previous submittals identified that the access road and the surfacing on the west, north, center and east sides would have asphalt surfacing. The roadways would be 15 feet wide. The south dike would have gravel surfacing. This concept was approved on the basis that the paved areas would be used for the loading and hauling of the sludge from the drying beds to the holding beds. The paved surface would best accommodate the resulting vehicular traffic. The south dike would only be used for general maintenance and access. Therefore, gravel surfacing would be adequate. The roadway width of 15 feet would be adequate for the intended traffic. The current submittal eliminates the gravel section and expands the pavement width to 20 feet along the north and south sides. The grant program will limit funding to the previously approved 15 foot pavement width on the south side. The bid proposal will have to provide a unit price break-out for these items for the purposes of determining grant participation.

4. Cleanout detail - The cleanout detail on sheet 2 has been changed. The new proposal would require a special access box for four of the cleanouts. The cost for the cleanouts with the access boxes would seem to be greater than the first proposal. Little or no benefit is apparent from the change to justify a cost increase.

5. As requested in the June 25, 1985 letter, information needs to be submitted to verify how the sludge storage volume is computed with respect to the 22 inch sludge depth.

The City should review these changes and identify how they will be addressed. When any appropriate addendums have been received and approved, the permit to construct could be issued. If you have any questions, please contact this office at (307) 777-6351.

Sincerely,

Alan Edwards

Alan Edwards
Engineering/Grants Evaluator

AE/nc

cc: Gary Shimp, Black & Veatch, Denver
Tom Norman, DEQ/WQD, Cheyenne
Grant File

7-9

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

July 9, 1985

Mr. Daniel Buhrmaster
Black & Veatch
1400 South Potomac Street, Suite 200
Aurora, CO 80012

RE: City of Cheyenne, Wyoming, EPA Grant No. C560243-21, DEQ/WQD Reference No. 85-243R, Sludge Drying Beds - Dry Creek Wastewater Treatment Facility

Dear Mr. Buhrmaster:

The Wyoming Occupational Health and Safety office has completed their review of the subject plans. Enclosed herewith is a copy of their comments. Please review these and incorporate the necessary changes into the plans and specifications.

If you have any questions, please contact this office at (307) 777-6351.

Sincerely,

Alan Edwards

Alan Edwards
Engineering/Grants Evaluator

AE/nc

Enclosure

cc: Carroll Aamold, Cheyenne Board of Public Utilities (w/enclosure)
Grant File (w/enclosure)

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Occupational Health and Safety

CHEYENNE, WYOMING 82002

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

June 28, 1985

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

RECEIVED
JUL 1 1985
WATER QUALITY DIVISION
WYOMING

TO: Alan Edwards, Water Quality Division

FROM: Joe Borghi, Manager, T.A. & Consultation JB

SUBJECT: Comments on Dry Creek Sludge Treatment Plant

1. Page 19, Para. 2 - add after Part 1926 reference, "Wyoming Occupational Health and Safety Rules and Regulations for General Industry" and "Wyoming Occupational Health and Safety Rules and Regulations for Construction."

2. Page 19, Safety and Health Program - after (29 FR 22801) add, "and the Wyoming Occupational Health and Safety Rules and Regulations for Construction, as amended to date."

3. Page 2A-2, Para. 2A-8 SHEETING AND SHORING - after prevent caving or sliding, add: "In excavations where employees are required to enter, excavated material shall be effectively stored or retained at least 2 feet or more from the edge of the excavation, WOHS Rules for Construction, Chapter XVI, Section 2.i."

4. Page 9A-1, Para. 9A-2 MATERIALS - add at the end: "CAUTION: Coal tar pitch material, primers and finishes are hazardous and must be applied in accordance with procedures on the material safety data sheets for the material being used."

5. Page 2B-5 - Due to a number of fatalities at water treatment and sewage plants, the following caution note is recommended: "CAUTION: When connections to existing piping is planned, the contractor should test the area for noxious or flammable gases which can be presumed to be present."

No further comments. If I can be of further assistance, please contact the department.

6-26

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

June 25, 1985

Mr. Carroll Aamold
Board of Public Utilities
P.O. Box 1469
Cheyenne, WY 82003

RE: City of Cheyenne, Wyoming, EPA Grant No. C560243-21, Dry Creek Sludge Drying Beds, DEQ/WQD Ref. No. 85-243R

Dear Mr. Aamold:

This office has reviewed the plans and specifications for the subject project. The documents have also been reviewed by Tom Norman, DEQ District Engineer. The plans and specifications are considered approvable subject to the following comments:

Plans

1. Sheet 1 - The note referencing the 12 inch decant line should read "Provide 5' long 4" CIP stub out w/plug".

2. Sheet 2 - The elevations shown for manhole A3 do not agree with those given on sheet 4.

3. Sheet 3

   a. The bottom of footing elevation in Section 3 is given incorrectly as 5987.00.

   b. There is a question regarding sludge storage volume in the sludge drying beds as being adequate to meet the 180 day storage requirement if a 22 inch maximum sludge depth is assumed. Based upon a telephone conversation with Dan Buhrmaster of Black and Veatch on June 25, 1985, the 180 day sludge storage volume is computed based upon an average sludge depth of 22 inches. This will need to be verified.

4. Sheet 4

   a. The invert elevations are not consistent between the section and plan views of detail A and with those given on Sheet 2.

   b. The rim elevation of the manhole is assumed to be 5904.5.

Specifications

1. The minority and female goals need to be included on page 10 of the EPA inserts.

2. It should be noted that the contractor will need to make application for any dewatering discharges.

EPA - General

1. The EPA will participate in the cost of the new or relocated chain link fence around the sludge drying beds to tie into the existing fence at the plant site. The barbed wire fence to be constructed around the remainder of the property would not be eligible for EPA participation. Contractors will need to provide a break-out of this cost during bidding so these costs can be separated from the eligible costs under the project.

2. The city will be required under the federal regulations to make project certification of these improvements one year after they have been put into operation. For the improvements proposed under this project, the certification will identify that the sludge drying beds can be loaded and operated to design depths and conditions, that the beds are capable of providing sludge handling for the design population, and that the sludge-aerator loader meets the design criteria for that equipment.

The plans and specifications could be approved upon receipt of the above requested information. Please forward five (5) sets of the final plans and specifications. Upon issuance of the permit to construct, one stamped copy will be returned to the town and the engineer. The plans and specifications are being forwarded to the Wyoming Occupational Health and Safety Office for their review. Their comments will be forwarded upon our receipt of them. If you have any questions, please contact this office at (307) 777-6351.

Sincerely,

Alan Edwards

Alan Edwards
Engineering/Grants Evaluator

AE/nc

cc: Gary Shimp, Black and Veatch, Denver
Tom Norman, DEQ/WQD
Grant File

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: Donald Owsley, Administrator
Occupational Health and Safety

FROM: AAE Alan Edwards, Engineering/Grants Evaluator
Water Quality Division

DATE: June 25, 1985

SUBJECT: Review of Plans and Specifications, City of Cheyenne, WY, Dry Creek Sludge Drying Beds, DEQ/WQD Ref. No. 85-243R and Sunnyside-North Cheyenne Sanitary Sewers, DEQ/WQD Ref. No.'s 85-184R, 85-185R, 85-186R, 85-187R and 85-188R

Forwarded herewith please find one set of the subject documents. These are forwarded for review and comment by your office. A single set of specifications applies to all plans for the Sunnyside-No. Cheyenne Project. Therefore, only one set of specifications for that project is included.

Your review of these documents would be appreciated. The City of Cheyenne is anxious to advertise these projects so an early review would be appreciated. Any comments you may have will be included in the bidding documents.

If you have any comments, please contact this office at (307) 777-6351.

AE/nc

cc: Grant File

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

May 30, 1985

Mr. Carroll Aamold
Board of Public Utilities
P.O. Box 1469
Cheyenne, WY 82003

RE: City of Cheyenne, WY, EPA Grant No. C560243-21, Dry Creek Sludge Drying Beds, DEQ/WQD Reference No. 85-243

Dear Mr. Aamold:

This office has reviewed the plans and specifications for the subject project. The design memo dated May 20, 1985 has also been reviewed. Based upon this review and our meeting of May 24, 1985, we have the following comments:

Plans

1. The note to plug and abandon the 6" sludge discharge line as included on page 1 should be deleted for this contract.

2. Information will need to be submitted as discussed, to support the request to run the decant from the sludge beds to the headworks instead of the aeration basin mixing box.

3. There is a note on page 2 for a single clean-out on the 6" sludge discharge line on the south end of the road dividing the beds. The note indicates that "C.O. see det. B this sh. (sim)". Since this is a single clean-out as opposed to the double clean-out indicated in detail B, is it really similar? Would a separate detail be necessary?

4. Would there be an advantage to installing a bend on the discharge point of the 6" sludge discharge line where it enters the sludge beds to control splashing?

Specifications

1. The appropriate wage determination will need to be included prior to advertising for bids.

General

1. Your design report indicates that the maximum sludge production will occur in the winter. The basins are therefore sized to provide 180 days of storage at the peak sludge production rate. NPDES compliance monitoring reports submitted by the city indicate that the solids loading to the plant

is less during the winter months than during the summer months. The monitoring reports therefore do not appear to correlate with the design assumptions for sizing the beds. Several years of plant records are available for the Dry Creek facility. These should be reviewed to confirm the sludge bed sizing. This data and your engineer's should both be submitted for our review when you have accepted the design data.

2. The specifications for the sludge aerator-loader equipment specified a minimum horsepower rating of 84. The service conditions were presented to include sludge at a maximum depth of 3-feet and maximum solids content of 60 percent by weight. The supplier is required to provide a "certification of suitability" for all parts not manufactured by himself and meet the procurement specifications. It is assumed that the 84 hp rating was considered adequate to meet the service conditions. If the specifications are to be adjusted to require a greater horsepower rating, information should be submitted to establish that the proposed increase is necessary. This information would be necessary to support the increased cost for reimbursement. Restrictive sole source specifications should also be avoided.

3. The plans and specifications will be forwarded to the State Fire Prevention and Electrical Safety Office and the State Occupational Health and Safety Office for review.

4. The design memo indicates that modifications will be made to the anaerobic digesters at the Dry Creek facility under the next round of improvements. The review during the facility plan indicated that all work to be performed on the digesters would not be grant eligible. This is because the digesters were constructed under a previous federal grant. If any modifications are proposed to be included for EPA participation, the need and cost-effectiveness should be carefully documented. No work to the digesters has previously been proposed for grant participation. Another amendment to the FNSI would be necessary to include the proposed modifications.

All of the items identified above with the exception of number 4 under general comments need to be addressed and resolved before the plans and specifications can be approved. The plans and specifications must be approved before this grant can be amended. If you have any questions on the above, please contact this office at (307) 777-6351.

Sincerely,

Alan Edwards

Alan Edwards
Engineering/Grants Evaluator

AE/nc
cc: Gary Shimp, Black and Veatch, Denver
Tom Norman, DEQ/WQD
Grant File

5-29

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-244
SEE CONDITIONS ATTACHED TO THIS PERMIT
MA 14542

Exxon Ocean Lake Tribal C-1
(Name of Facility)

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

Exxon Corp

P.O. Box 230

Midland, TX 79702

to construct, install, or modify a drilling fluids reserve pit facility according to the procedures and conditions of the application No. 85-244. The facility is located in Section 8, T2N, R4E in the County of Fremont, in the State of Wyoming. This permit shall be effective for a period of one 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.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

May 17, 1985
Date of Issuance

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

cc: Federal Land Bank of Wyoming
ATTN: Steve Crowe
Box 906
Riverton, WY 82501

Federal Land Bank Assoc. of Wyoming
ATTN: George Homberger
P.O. Box 1789
Casper, WY 82602-1789

This permit authorizes you to dispose of 336,000 gallons of drilling fluid wastewater on the surrounding 12 acres, a total liquid application of 1.03 inches.

CONDITIONS TO PERMIT TO CONSTRUCT NO. 85-244

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 defineable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.

4. This permit is issued at variance from the current numberical standards on an experimental basis only. Subsequent conditions must be adhered to and compiled as a post-treatment evaluation report to be submitted to the Department of Environmental Quality.

5. The following operational parameters will be documented in the report:

   a. Total actual acreage covered.

   b. Total actual hydraulic application rate in inches.

   c. Calculation of actual per unit area soil loadings for each waste constituent.

   d. On-site determination of depth of moisture penetration.

6. Actual application of the wastewater will be accomplished by use of gated pipe.

7. Post application soil analyses will be submitted after the site has stabilized (dried out), and one year thereafter. The site should be sampled at 3 points located at either extreme of the central depression and at the midpoint. Each 6" depth increment to the point of maximum water penetration should be sampled at each of the three sample points.

8. Subjective comparison of the site vegetation with the surrounding area should be made at the time of the one year soil analysis.

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-245R
SEE CONDITION ON BACK
MA 14542

Wycon Chemical Company
(Name of Facility)

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

Larry Shay, Wycon Chemical Company

P.O. Box 1287

Cheyenne, WY 82001

to construct, install, or modify a subsurface wastewater disposal facility according to the procedures and conditions of the application No. 85-245R. The facility is located in Section 16 & 17, T13N, 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.

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

July 1, 1985
Date of Issuance

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

Condition to Permit to Construct

The permittee shall notify Gary Hickman, Laramie County Environmental Health, 1700 Snyder Avenue, Cheyenne, WY 82001, phone 638-8545, of the estimated day construction will commence and the estimated day of completion of this project. Inspection of the installed system is required prior to backfilling.

cc: Carl M. Antrim
The Pritchard Corp.
8205 W. 108th Terrace
Overland Park, KS 66210

Gary Hickman

5-21-85

Review of Plans and Specifications

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

PROJECT: Wycon Chemical, Laramie Co.

ARCHITECT OR ENGINEER: Carl M. Antrim, Prichard Corporation
8205 W. 108th Terrace, Overland Park, KS 66210

APPLICANT: Larry Shay, Wycon Chemical Company
P.O. Box 1287, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 85-245

REVIEWING ENGINEER: Christian G. Norman, E.I.T. and Thomas S. Norman

TSN

DATE OF REVIEW: May 20, 1985

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. There is only 2' 4" separation from the bottom of the trench to the bedrock. The minimum separation required is 4' from the bottom of the trench to either the bedrock or groundwater.

2. Your test borings show the groundwater to be under the bedrock. Isn't that backwards?

3. What will be stored in the control room which could potentially enter the floor drains?

CGN/TSN/nc

5-23
85-246
MA 14542

THE STATE OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality

Water Quality Division

HERSCHLER BUILDING CHEYENNE, WYOMING 82002 TELEPHONE 307 777-7781

May 21, 1985

Mr. Leland Carr
5180 West Yellowstone
Casper, WY 82604

RE: Wastewater Application #85-246, Bel Air Trailer Court Septic System

Dear Mr. Carr:

The Water Quality Division has reviewed your application and found that it meets minimum State of Wyoming standards. Since a permit to construct cannot be issued for as-built wastewater treatment facilities, this letter will serve as your final approval document. This approval is contingent upon the following condition:

> The intent of the construction authorized by this permit is to provide facilities for the interim treatment of wastewater until such time that treatment is available through a regional wastewater system. The Casper Urban Water Quality Management Plan requires that treatment be provided through a regional system. The facilities authorized by this permit will be operated until services are available through the approved regional system. At that time these facilities will be abandoned or integrated into the regional system in accordance with the requirements of the Casper Urban Water Quality Management Plan and the Final 201 Facility Plan.

Sincerely,

William L. Garland

William L. Garland
Administrator

WLG/TSN/nc

cc: Bruce Clabaugh, Natrona County Health Dept., 1200 E. 3rd, Casper, WY 82601-2990

6-3

PERMIT TO CONSTRUCT

/ / New

/ / Renewal

/X/ Modified

Permit No. 85-247
Ref. No. 84-256R
SEE CONDITION ON BACK
MA 14542

Saratoga Wastewater Improvement Project
(Name of Facility)

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

Town of Saratoga

P.O. Box 486

Saratoga, WY 82331

to construct, install, or modify a wastewater collection system facility according to the procedures and conditions of the application No. 85-247. The facility is located in Section 13, T17N, R84W in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, Herschler Building, 122 W. 25th, Cheyenne, Wyoming 82002; telephone, 777-7781.

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

May 28, 1985
Date of Issuance

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

Director
Dept. of Environmental Quality

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

Condition to Permit to Construct #85-247

The specifications of construction and materials shall be those approved under permit number 84-256R.

cc: William H. Locke
ARIX
609 East Madison, Suite 1
Riverton, WY 82501

6-25

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-248*

*See Condition MA 1454

TRAILSIDE GENERAL STORE MONITORING WELLS
(Name of Facility)

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

Wyoming Alaska Leasing Co., Inc.
dba Trailside General Store
P.O. Box 667
Centerville, Utah 84014

to construct, install, or modify four groundwater monitoring wells

facility according to the procedures and conditions of the application No. 85-248. The facility is located in Sec. 8, T.32N., R.63W.

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

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

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

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

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

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

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

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

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

AUTHORIZED BY:

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

William L. Garland
Administrator
Water Quality Division

June 12, 1985
Date of Issuance

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

Robert E. Sundin
Director
Dept. of Environmental Quality

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

CONDITION

The hydrocarbon recovery process shall continue until official notice is received from the DEQ that cleanup has been adequate. Sampling of the monitoring wells shall continue as needed to determine the effectiveness of the recovery process.

cc: Paul A. Rechard
Western Water Consultants
611 Skyline Road
Laramie, WY 82070

WATER QUALITY DIVISION
GROUNDWATER SECTION
PERMIT APPLICATION REVIEW

Norma - Ret. to Sheridan 6-10-85

APPLICATION NUMBER 85-248

DATE SUBMITTED FOR REVIEW 5-30-85

NAME AND LOCATION OF FACILITY TRAILSIDE GENERAL STORE
LUSK WY
4 Monitor Wells
WWC 1-4

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

(4) No comment. The submittal is consistent with current groundwater protection procedures and requirements.

( ) Comments attached.

SIGNED Richard J. Lennep

TITLE Env. Eval

DATE 5-10-85

ACCEPTED FOR RECORD _____ _____
(Date) Groundwater Control Supervisor

PERMIT TO CONSTRUCT

/X/ New

/ / Renewal

/ / Modified

Permit No. 85-249R
Ref. No. 83-224

CONDITIONS ON PERMIT
MA 1145 HB

Gilchrist Oilfield Wastewater Disposal Facility
(Name of Facility)

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

Toni Gilchrist

P.O. Box 783

Big Piney, WY 83113

to construct, install, or modify a lined (30 mil HDPE) two cell oilfield wastewater disposal facility with leak detection system ~~facility~~ according to the procedures and conditions of the application No. 85-249R. The facility is located in Sec. 12, T30N, R111W 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-

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

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

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

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

AUTHORIZED BY:

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

Administrator
Water Quality Division

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

Director
Dept. of Environmental Quality

July 12, 1985
Date of Issuance

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

* CONDITIONS ON PERMIT *

1. No hazardous wastes as defined by the U.S. EPA or State of Wyoming shall be placed on this facility. Before any wastes, other than those specified by this permit, may be disposed of in this facility, authorization must be obtained from DEQ/WQD.

2. The operator shall maintain a log of each load being brought into the facility. The log shall include the hauler's name, source of the load, oilfield operator of the source, brief description of the source and/or load, and volume of the load. These records shall be maintained for inspection by DEQ/WQD personnel.

3. The DEQ/WQD shall be contacted prior to the reclamation of this facility. The method of reclamation must be accepted by this department.

4. Written certification that the earthwork and liner installation were completed in accordance with the specifications authorized by this permit shall be submitted to: DEQ/Water Quality Division, 210 Lincoln, Lander, Wyoming, 82520 by a registered Wyoming Professional Engineer, soils firm, and/or liner supplier representative.

5. Prior to installation of the liner and placing the facility into operation a light test shall be performed on the leak detection inspection pipe to insure proper alignment. If the inspection pipe fails the light test, it shall be reworked and realigned until acceptable.

REVIEW OF PLANS AND SPECIFICATIONS

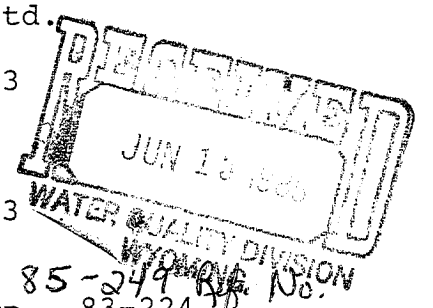
WYOMING DEPARTMENT OF EVIRONMENTAL QUALITY

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

PROJECT: Gilchrist Oilfield Wastewater Disposal Facility

ENGINEER: Keith McNinch
Surveyor Scherbel, Ltd.
P.O. Box 4296
Marbleton, WY 83113

OWNER: Toni Gilchrist
P.O. Box 783
Big Piney, WY 83113



WATER QUALITY DIVISION REFERENCE NUMBER: 85-249 Ref. No. 83-224 TD

REVIEWING EVALUATOR: Jack Bedessem JB

DATE OF REVIEW: June 11, 1985

ACTION: **Not authorized.**

COMMENTS:

The initial Gilchrist Oilfield Wastewater Disposal Facility (83-224) "Permit to Construct" was issued June 15, 1983. Since that time the DEQ/ Water Quality Rules and Regulations have been revised and upgraded.

The application for a "Permit to Modify" the facility has been reviewed. Before this permit can be issued the following items must be addressed:

1. Address whether any intra-cell piping will be installed. Any piping protruding through a dike or embankment shall have adequate seepage controls. Provide a detail.

2. On ponds that are specified to be lined with an artificial liner, rocks larger than six inches in length shall not be placed within five feet of the interior slope of any pond embankment. Material containing by volume less than 25 percent of rock larger than six inches and less than 12 inches in length may be placed in the remainder of the embankment.

3. Inner dike slopes steeper than 2:1 are generally not acceptable to this department. Protection of the 30 mil liner from mechanical damage must be addressed.

(a) It will be very difficult to apply a cover material and/or rip-rap to 1.5:1 inner slopes. It is recommended that the slopes be flattened to permit a cover material or a thicker liner material be installed. Provide appropriate documentation from the manufacturer/supplier.

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(b) The Flexalon literature accompanying this application provides the following: "Limitations and Recommendations" - The lower the slope embankment, the less physical strain on the liner walls. Flexalon is generally used on slopes of less than 2½:1.

4. The construction specifications shall include the provision that: written certification that the earthwork and liner installation were completed in accordance with the permitted specification be submitted to this department by a Wyoming Professional Engineer, independent soil firm, and/or manufacturer/supplier representative.

5. The plans propose a single 30 foot monitoring well to detect possible seepage. This application does not provide sufficient information to determine whether a single monitoring will effectively detect seepage.

A leak detection or subsurface monitoring system for this type of facility must meet the following criteria:

(a) Effectively detect a leak prior to the contamination of any state waters and prior to requiring any major clean up operations.

(b) Effectively detect a leak and identify the general location (cell) from where the leak is occurring.

6. Plans, details and a monitoring schedule for an acceptable leak detection or subsurface monitoring system are needed. Provide sufficient subsurface site information to determine whether the proposed system will be effective.

7. Address a contingency plan for investigating, inspecting and repairing a leaking liner. If a leak is detected this department should be notified immediately.

Submit the required information and revised drawings to this office, in triplicate, if you have any questions please feel free to contact me.

JB/jw
copy: Matt David