AW per PB

From: Judy Meredith
To: cheyenne.bbarne
Date: 12/29/99 3:33pm
Subject: permits 99-501, 99-502, 99-503

Good afternoon.....

Doyle called and asked me to have you pull the permits 99-501, 99-502, and 99-503 for Camp Many Stars. He is going to cover everything under 99-500.

Thanks for your help and have a very Happy New Year.....

Camp Many Stars - 4 guest cabins
- directors cabins
- camp restroom

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To: cheyenne.bbarne
Date: 12/29/99 3:33pm
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To: cheyenne.bbarne
Date: 12/29/99 3:33pm
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Thanks for your help and have a very Happy New Year.....

Camp Many Stars - 4 guest cabins
- directors cabins
- camp restroom

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO.99-504
SPECIAL CONDITIONS

Building 4330 Fire Protection Lines

This permit hereby authorizes the applicant:

F.E. Warren AFB
300 Vesle Drive, Suite 600
F.E. Warren AFB WY 82005-2793

to construct, install or modify a ten inch diameter water line for fire protection according to the procedures and conditions of the application number 99-504. The facility is located in SW 1/4 Section 14 T14N R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

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

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

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

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

1 of 4 The applicant will notify the DEQ/WQD Southeast District Office by the attached post card of the date construction will begin and the estimated completion date.

2 of 4 The applicant will provide immediate oral or written notice to the DEQ/WQD Southeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis .

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

12/17/99
Date of Issuance

LBH/bb/93176.ltr

cc: Cheyenne BOPU

STATEMENT OF BASIS

I. Permit Number: 99-504

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. NO

B. Chapter XII. YES

III. Basis for issuing permit: Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

IV. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III.

NO

V. Documentation of Statement of Basis.

The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Louis B. Harmon, Southeast District Engineering Supervisor, and completed on December 16, 1999. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

LBH/bb/93176.ltr

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Missile Handling Facility, Building No. 4330 Fire Protection

ENGINEER: F. E. Warren Environmental Flight

APPLICANT: F. E. Warren AFB

WATER QUALITY DIVISION REFERENCE NUMBER: **99-504**

REVIEWING ENGINEER: Louis B. Harmon

DATE OF REVIEW: December 1, 1999

Professional Engineer (Civil) Louis B. Harmon 3523 Date 12/1/99 WYOMING

Louis B. Harmon

ACTION: **NOT AUTHORIZED FOR CONSTRUCTION**. In accordance with Section 12 (a), Chapter III, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with Section 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Although this project is simple and appears to be adequately designed, a design report as required by Section 6 of Chapter 12 of the Water Quality Division Rules and Regulations is necessary. This design report can be as simple as a one page letter. The design report must detail the maximum and minimum pressure at the tap to the BOPU 24" water main, the maximum flow that could occur in the fire service line, and the pressure drop at the maximum flow rates to the point where the water enters the dual check valve assembly.

2. Because the fire service line taps the BOPU water main, a letter of acceptance from the Cheyenne Board of Public Utilities is required.

3. The base prefix was changed to 773 approximately a year ago. The phone numbers supplied on the application form are still the 775 prefix.

LBH/bb/93069.ltr

cc: Cheyenne Board of Public Utilities Engineering

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 99-505
SPECIAL CONDITIONS

POWDER HORN RANCH WATER DISTRIBUTION EXTENSION - PHASE V

This permit hereby authorizes the applicant:

SAWS Joint Powers Board
225 North Main Street
Sheridan, WY 82801
Attention: Mr. Shad Sherman Springer, Administrator

to construct, install or modify water distribution system according to the procedures and conditions of the application numbers 99-505. The facility is located in the NE/4 of Section 33 of T55N R84W in the county of Sheridan, in the State of Wyoming. This permit shall be effective for a period of one (1) year from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Northeast District, State of Wyoming, DEQ, Water Quality Division, 1043 Coffeen Avenue, Suite D, Sheridan, Wyoming 82801; telephone (307) 672-6457; FAX (307) 674-6050.

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

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

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

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

1 of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.

2 of 4 The applicant will provide immediate oral and/or written notice to the Northeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

12-8-99
Date of Issuance

DRM/pr:12/03/99
Enclosures: Post Card, Certificate of Completion & Statement of Basis
xc: Bill Mentock, M-W, #2 Taylor Pl. 1030 N. Main, Sheridan, 82801
Steve Peterson, City of Sheridan. POB 848, Sheridan

STATEMENT OF BASIS

I. General information.

A. Permit Number: 99-505

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter 11 No

B. Chapter 12 Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

Not Applicable (N/A)

B. Briefly state the basis for the deviation.

N/A

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III[1]. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

A. Facility will not allow a discharge to groundwater. Briefly describe:

N/A

B. Quality of wastewater is such that it will not cause a violation of groundwater standards. Briefly describe:

N/A

C. Existing soils or geology will not allow a discharge to groundwater. Briefly describe:

N/A

D. Basis of facility design is that it will be operated so as not to violate groundwater standards (example: maintenance of manure pack at animal waste treatment facility). Briefly describe:

N/A

E. Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

N/A

F. If water quality exceedances are allowed, briefly describe the parameter limits, property boundaries, places of withdrawal and any other information documenting that any users of affected aquifer will not be impacted.

N/A

G. Briefly describe monitoring system (parameters, frequency, etc.). Clearly state the parameters to be utilized for determining compliance, what constitutes a violation and steps to be followed by the permittee in the event of a violation.

---

[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

N/A

VII. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Don McKenzie, NE Water & Wastewater Section Program Principal, and completed on December 3, 1999. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

51933.DOC

PERMIT TO CONSTRUCT

X New
_ Renewal
_ Modified

PERMIT NO. 99-506
SPECIAL CONDITIONS

Seven Mile Gulch No. 1

This permit hereby authorizes the applicant:

Amoco Production Company
P.O. Box 157
Wamsutter, WY 82336

to construct, install or modify groundwater monitoring wells, soil borings, and an Enhanced Fluid Recovery System according to the procedures and conditions of the application number 99-506. The facility is located in NE, Section 26, T21N, R111W in the county of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: WDEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; telephone (307) 332-3144; FAX (307) 332-3183.

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

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

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

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

1.of 7 No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division. All monitoring wells will be constructed and maintained according to WQD guidance as outlined in GPC Guidelines #1, 2, and 3. After the monitoring well(s)/piezometer(s) have fulfilled their purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements.

2.of 7 WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of monitor well(s)/piezometer(s) and sample collection so that they may be on site if deemed necessary.

3.of 7 The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).

4.of 7 The results of any analyses conducted on soil or water removed from these wells/piezometers or boreholes shall be provided to the department as soon as they are available.

5.of 7 ***Environmental Monitoring Program for Groundwater of the State***:

a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.

b. The permittee shall maintain records of all monitoring information for a period of at least 3 years.

c. Records of monitoring information shall include:

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

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

iii. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.

iv. Sampling procedures and sample preservation accomplished;

v. The date(s) analyses were performed;

vi. Names of individuals who performed the analyses;

vii. The analytical techniques or methods used; and

viii. The results of such analyses.

ix. Monitor wells shall be sampled and the groundwater analyzed as indicated on the following table.

WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED	PERMIT LIMIT
*All wells	Semi-annual	EPA 8020	BETX	-------NA---
*All wells	Semi-annual	EPA 8015M	TPH-GRO	-------NA---

*Wells containing free phase hydrocarbon (FPH) do not need to be sampled for dissolved phase contamination.

6.of 7 The permittee will submit an annual progress report which contains all applicable data and site history for the preceding year. This includes analytical results, contaminant recovery volumes, a description of recovery operations and any associated problems, an evaluation of remediation progress at the site, and plans for, or modifications to, the next years field work.

7.of 7 The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required by the WQD. An adequate number of well(s)/piezometer(s) shall be installed to define the nature and extent of the contamination.

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

12/17/99
Date of Issuance

MFT/mad 93164.ltr
cc: IPS, Lander

GROUNDWATER POLLUTION CONTROL PROGRAM
REVIEW COMMENTS:
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
250 Lincoln Street
Lander, Wyoming 82520
(307)332-3144

PROJECT: SITE CHARACTERIZATION

APPLICANT: Douglas Miller
Amoco Production Company
P.O. Box 157
Wamsutter, WY 82336

ENGINEER/ CONSULTANT: Brian Symons
ThermoRetec
23 Old Town Square, Suite 250
Fort Collins, CO 80526

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 99-506

_ **EXISTING** X **NEW** X **AS BUILT**

TITLE: Seven Mile Gulch No. 1, Investigation and Remediation, Lincoln County, Wyoming

_ **PLANS** _ **SPECS** X **PROPOSAL** X **REPORT**
[Check all that APPLY]

DATE ON PROPOSAL/PLANS/REPORT: July 30, 1999 and Dec 3, 1999 (Date stamped 8/4/99 and 12/6/99)

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? X **NO** _ **YES**
AN LOV, NOV OR OTHER ENFORCEMENT? X **NO** _ **YES [DATE]**

REVIEWING GEOLOGIST: _____
Mark Thiesse, PG

DATE OF THIS REVIEW: December 14, 1999

ACTION: **Accepted with minor additional requirements**

COMMENTS: GROUNDWATER SECTION

1.0 SUMMARY OF EXISTING CONTAMINATION:

1.1 Site Description. The Seven Mile Gulch #1 site is located approximately 15 miles east of Opal, Wyoming in Sweetwater County. The site is in an active oil field with numerous production facilities, pipelines, and roads.

1.2 Hydrogeology. The surface geology of the site is a weathered, fractured claystone overlying a hard, massive siltstone/claystone. Based on the installation of the soil borings described below, perched groundwater is very limited in amount and extent, and is driven by fracture flow.

1.3 Potential Sources. In 1997, petroleum condensate was detected in a small drainage down hill from the #1 site, adjacent to a pipeline operated by Williams Field Services (WFS). The release was originally thought to be from illegal dumping or other surface release. WFS pressure tested the pipeline and found it to be tight. The following year, in November 1998, more condensate was observed in the same location and a spill report was generated by Randy Taylor (WDEQ/WQD). The pipeline was again thought to be the source, so WFS prepared a site investigation work plan and excavated the area around the pipeline. There were no indications of leaks in the pipeline. The condensate appeared to be coming from up hill, towards the well site. Potential sources of the condensate include other pipelines and production facilities at the #1 well site. Amoco has not observed any releases from these potential sources.

2.0 CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE:

2.1 1998 Williams Field Services Pipeline Investigation. In November of 1998, WFS submitted a work plan to the WQD for investigating their pipeline as the source of the condensate. Because this was a reported spill, the WQD/SPO was handling the site and did not require permits. WFS performed pressure testing of the pipeline, and excavated the soil around the pipeline near the location where the condensate is "daylighting". It was discovered that the soil was contaminated up gradient from the pipeline towards the well site. Responsibility for the site was therefore passed on to Amoco.

2.2 1998-1999 Amoco Field Work. In the Fall of 1998, Amoco removed the tinhorn which was suggested to be the source of the contamination, however, during the excavation of the tinhorn, no soil contamination was observed. In February 1999, a french drain was installed along the pipeline to intercept the flow of the condensate. The french drain empties into a stock tank to collect the recovered condensate. ThermoRetec installed 6 soil borings to about 16-19 feet deep in the area near the pipeline investigation. Temporary casing was placed in the borings to see if they would collect any water or condensate. In May 1999, 4 of the wells had water and one well (#4) contained condensate. In July 1999, the temporary wells were once again measured. Well #4 still contained condensate (0.44 feet), but only one well (Well MW-1) contained water.

2.3 Proposed Corrective Action. Soil Boring #4 was converted to a permanent monitoring well in July 1999, the other borings were plugged and abandoned. Amoco is proposing to use Enhanced Fluid Recovery (EFR) in Well 4 to remove the condensate, contaminated groundwater and air vapors. EFR is being used at several other permitted Amoco sites and has been shown to be effective in fluid recovery and stimulation of biodegradation of the contamination. EFR uses a vacuum truck to generate suction in a stinger tube which is placed into the well, just below the level of the oil/water interface. The fluid is removed and, by sealing off the well head, some soil vapor extraction occurs depending on the permeability of the formation. Five EFR events were performed during August and September 1999. In October 1999, no FPH was measured in well 4.

3.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

3.1 EFR Operation. This technology has worked well at other Amoco sites. Please provide a progress report which includes a summary of the recovery operations and plans for additional events. This report should be provided within 60 days following receipt of this review and permit. Any additional related information such as the status of the french drain and amount of condensate recovered in the french drain should be included in this report.

Please ensure that Department of Transportation (DOT) and OSHA regulations are complied with during this process. The truck operator should monitor the vapors being off-gassed from the EFR process to ensure the hydrocarbon levels remain below any safety or risk levels.

Also, please provide a method for measuring the amount of recovered product. A 55 gallon drum was used at other Amoco sites to obtain the amount of product recovered. Please use a similar method for this site.

3.2 Residual Soil Contamination. Please include a discussion of the EFR effectiveness for site remediation and plans for remediating the residual soil contamination in the progress report. The WQD considers the use of EFR at this site as an interim, emergency response type effort, and is concerned about the original source and the residual contamination. The extent of soil contamination was never investigated other than to try to determine the source of contamination. Is there an on-going source? How widespread is the soil contamination? If there was sufficient condensate released to flow approximately 100 yards through the subsurface, even considering fracture flow, there must have been a relatively large release. Have all the potential sources been eliminated as the source of this contamination? What are Amoco's long term plans for the residual soil and/or groundwater contamination at this site?

END OF REVIEW

MFT/mad 93165.ltr

The State
of Wyoming

Department of Environmental Quality

Jim Geringer, Governor

1043 Coffeen Avenue, Suite D • Sheridan, Wyoming 82801

AIR QUALITY	LAND QUALITY	WATER QUALITY
(307) 672-6457	(307) 672-6488	(307) 672-6457
Fax (307) 674-6050	Fax (307) 672-2213	Fax (307) 674-6050

January 16, 2001

Trusty Matheson
P.O. Box 193
Gillette, WY 82717

RE: Permit Application 99-507, Ponderosa RV Park

Dear Mr. Matheson:

Your application is considered inactive and is being returned under the assumption that you do not wish to proceed with the permit to construct permitting process.

This project has <u>not</u> been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and the Consent Decree. If you want to reconsider construction of this facility, then application procedures pursuant to Chapter 3 of the Wyoming Water Quality Rules and Regulations must be followed.

Yours truly,

Don McKenzie

Don McKenzie
Water Quality Division

xc: Patti Burns, IPS, Cheyenne
Larry Robinson, DEQ/WQD-W&WW, Cheyenne
Dennis Lamb, DEQ/WQD-W&WW, Casper
Maggie Allely, AG, Cheyenne
Jim Edwards, POB 1148, Gillette, 82717

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 99-508R
SPECIAL CONDITIONS

Stockwell Septic Tank/Leach Field

This permit hereby authorizes the applicant:

Jack J. Stockwell
125 South 6th Street
Greybull, WY 82426

to construct a septic tank/leach field to serve a two bedroom residence according to the procedures and conditions of application number 99-508R. The facility is located in Section 19, T52N, R93W in the county of Big Horn, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division (WQD), to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance, or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Jeff Hermansky, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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

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

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

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

1 of 4 The applicant will notify the Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; by the attached post card of the date construction will begin and the estimated completion date.

2 of 4 The applicant will provide immediate oral and/or written notice to the Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

1-5-00
Date of Issuance

JCH/lb
b/93215.ltr

STATEMENT OF BASIS

I. General information.

Permit Number: 99-508R

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit.

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations.

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III[1].

N/A

VI. Documentation of Statement of Basis.

The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

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[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Jeff Hermansky, Northwest District Engineering Supervisor, and completed on 12/29/99. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

JCH/bb/93215.ltr

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 99-509R
SPECIAL CONDITIONS

McKinnon LDS Church - Septic System

This permit hereby authorizes the applicant:

Corporation of the Presiding Bishop of the Church of Jesus Christ of Latter Day Saints
27 Old Highway 414
McKinnon, WY 82938

to construct a replacement septic tank and leachfield system according to the procedures and conditions of application number 99-509R. The facility is located in NE1/4 Section 16, T12N, R111W in the county of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division (WQD), to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance, or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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

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

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

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

1 of 4 The applicant will notify the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; by the attached post card of the date construction will begin and the estimated completion date.

2 of 4 The applicant will provide immediate oral and/or written notice to the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

1-5-00
Date of Issuance

DHC/dc
b/93202.ltr
cc: Sweetwater County Board of Health; Environmental Health Services; 205 Railroad Ave.; Green River, WY 82935

STATEMENT OF BASIS

I. General information.

Permit Number: 99-509R

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit.

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations.

Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III[1].

Not Applicable

VI. Documentation of Statement of Basis.

The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

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[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review [illegible] performed by Doyle H. Conklin, Southwest District Engineering Supervisor, and completed on December 23, 1999. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

DHC/bb/93202.ltr

PERMIT TO CONSTRUCT

X New
_ Renewal
_ Modified

PERMIT NO. 99-510R
SPECIAL CONDITIONS

Former Leucite Hills Mine Facilities

This permit hereby authorizes the applicant:

Black Butte Coal Company
P.O. Box 98
Point of Rocks, WY 82942

to construct, install or modify groundwater monitoring wells, and perform a soil excavation according to the procedures and conditions of the application number 99-510R. The facility is located in NW, Section 11, T20N, R101W in the county of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: WDEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; telephone (307) 332-3144; FAX (307) 332-3183.

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

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

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

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

1.of 6 No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division. All monitoring wells will be constructed and maintained according to WQD guidance as outlined in GPC Guidelines #1, 2, and 3. After the monitoring well(s)/piezometer(s) have fulfilled their purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements.

2.of 6 WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of monitor well(s)/piezometer(s) and sample collection so that they may be on site if deemed necessary.

3.of 6 The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).

4.of 6 The results of any analyses conducted on soil or water removed from these wells/piezometers or boreholes shall be provided to the department as soon as they are available.

5.of 6 ***Environmental Monitoring Program for Groundwater of the State***:

a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.
b. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
c. Records of monitoring information shall include:
   i. The date, exact place, and time of sampling or measurements;
   ii. The name(s) of individual(s) who performed the sampling or measurements;
   iii. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.
   iv. Sampling procedures and sample preservation accomplished;
   v. The date(s) analyses were performed;
   vi. Names of individuals who performed the analyses;
   vii. The analytical techniques or methods used; and
   viii. The results of such analyses.
   ix. Monitor wells shall be sampled and the groundwater analyzed as indicated on the following table.

WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED	PERMIT LIMIT
*All wells	Quarterly following soil excavation	EPA 8020	BETX and Naphthalene	-------NA---
*All wells	""	EPA 8015M	TPH-DRO	-------NA---

*Wells containing free phase hydrocarbon (FPH) do not need to be sampled for dissolved phase contamination.

6.of 6 The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required by the WQD. An adequate number of well(s)/piezometer(s) shall be installed to define the nature and extent of the contamination.

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

3-20-00
Date of Issuance

MFT/mad 00664.ltr
cc: IPS, Cheyenne
GPC, Lander

GROUNDWATER POLLUTION CONTROL PROGRAM
REVIEW COMMENTS:
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
250 Lincoln Street
Lander, Wyoming 82520
(307)332-3144

PROJECT: SITE REMEDIATION

APPLICANT: John Moore, Environmental Engineer
Black Butte Coal Company
P.O. Box 98
Point of Rocks, WY 82942

ENGINEER/ CONSULTANT: Bill Bender
JBR Environmental Consultants, Inc.
8160 South Highland Drive, #A-4
Sandy, UT 84093

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 99-510R

_ **EXISTING** X **NEW** _ **AS BUILT**

TITLE: Black Butte Coal Company, Leucite Hills Mine Facilities Diesel Release Site, Corrective Action Plan

_ **PLANS** _ **SPECS** X **PROPOSAL** X **REPORT**
[Check all that APPLY]

DATE ON PROPOSAL/PLANS/REPORT: October 8, 1999, Permit Application dated 12/2/99
Addnl. Information dated 2/2/00

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? _ **NO** X **YES 94-078**

AN LOV, NOV OR OTHER ENFORCEMENT? X **NO** _ **YES [DATE]**

REVIEWING GEOLOGIST: _____
Mark Thiesse, PG

DATE OF THIS REVIEW: March 13, 2000

ACTION: **Authorized with minor additions**

COMMENTS: GROUNDWATER SECTION

1.0 **SUMMARY OF EXISTING CONTAMINATION:** In 1994, JBR Environmental Consultants, Inc. completed a Subsurface Investigation (SSI) to redefine the extent of contamination from a diesel release discovered in 1989. The report of investigation (ROI) was reviewed by this office, followed by a request for the submittal of a corrective action plan (CAP). a Cap was submitted in 1996 which called for continued operation of the recovery system and a delay in the soil remediation until the site is reclaimed. In October 1999, the final Cap was submitted which proposed excavation and land farming of the contaminated soil. This review provides comments on the 1999 CAP.

1.1 1994 JBR SSI Results. The 1994 ROI offered the following conclusions.

1.1.1 Free product. The free product phase of the site remediation is essentially complete. Over 40,000 gallons of diesel fuel have been recovered to date since start-up in May 1990. Free product was not encountered during the June 1994 monitoring activities. Free product (1.2 feet) was observed in one monitor well during the September 1994 monitoring activities, likely due to a temporary shut down of the recovery system.

1.1.2 Soil. The upper 2 to 4.5 feet of soil consists of road base and construction fill, heavily compacted by heavy equipment. Below this, to a depth of 10 to 14 feet, are very fine to fine sands, with some silt and clay. Underlying the sands, to a depth of 14 to 18 feet are clayey fine sands. Below the clayey sands is a clay layer that was found at thicknesses of at least 5 feet. Approximately 7,510 cubic yards of diesel contaminated soil exceeds TPH concentrations of 2.0 mg/kg. This volume has an average TPH concentration of 12,000 mg/kg.

1.1.3 Groundwater. Groundwater affected by the release is restricted to the unconfined shallow water table aquifer that lies between 7 and 12 feet below grade.

1.1.3.1 Contamination. Groundwater contamination was encountered in only two of the four monitor wells installed during this investigation. The four wells were placed at the margins of the contaminated zone. Ethylbenzene (3.0 ug/l) and xylene (38.0 ug/l) concentrations in the groundwater were found to be well below the EPA MCLs. Offsite migration of these contaminants is currently controlled by the draw down capture cone (125 feet radius) resulting from the operation of the free product recovery system. TPH, benzene and toluene were not found in any of the newly installed monitor wells, and PAH's were not detected in the samples collected from two monitor wells.

1.1.3.2 Gradient. The groundwater gradient prior to operation of the free product recovery system was approximately 0.01 foot/foot toward the northeast.

1.1.3.3 Hydraulic conductivity. Hydraulic conductivities calculated from Dames and Moore 1987 data ranged from 1 X 10-4 to 7.2 X 10-4 cm/sec.

1.1.4 Background groundwater. Background groundwater quality appears to be classified as Class IV (A).

2.0 CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE:

2.1 Background. Diesel fuel contamination of near surface soil was discovered in 1989 near a buried diesel fuel distribution pipeline (the pipeline was immediately removed). Depth to the top of the free product in the excavated pipeline trench was reported at 9.41 feet with a total product thickness of 2.32 feet.

2.2 USPCI SSI. In 1989, USPCI Remedial Services was contracted to conduct a SSI. Ten borings were drilled, five of which were completed as groundwater monitor wells. Per the USPCI recommendation, a free product recovery system (trench and sump) was installed during the spring of 1990. Over 40,000 gallons of diesel had been recovered to date, operating nearly continuously. Free product recovery has declined substantially.

2.3 JBR SSI. In March 1994, JBR Environmental Consultants, Inc. was contracted to redefine the extent of soil and groundwater contamination and to prepare a corrective action plan for remediation. The SSI work plan was authorized by DEQ and conducted during the months of June through September 1994. Using a geoprobe rig, nine drill holes were completed and soil samples collected within, and at the margins of, the previously defined limits of contamination. Four groundwater monitoring wells and three shallow soil borings were constructed. In 1994, a ROI was submitted to this office. The ROI was reviewed by WDEQ/WQD, followed by a request for a CAP.

2.4 1996 JBR CAP. The June 1996 GPC review focused on the CAP submitted by JBR. JBR reviewed the results of the SSI, analyzed the risk posed to human health and the environment by existing contamination, and considered the potential success and financial burden for various scenarios in the development of the CAP.

2.4.1 Risk Based Analysis. The 1996 CAP states that there is currently no potential for the off-site exposure of a receptor to the subsurface diesel contamination; there are no surface or groundwater resources available which have any direct exposure to the contaminated site area. There is a small potential for exposure to contaminated soil by human receptors during some on-site construction activities.

2.4.2 Soil. Both ex-situ and in-situ options were evaluated for remediation of the soil. Excavating soil is not a viable option (at this time) due to the proximity of building structures. Insitu bioremediation is not a viable option (at this time) due to the numerous subsurface utilities and heavy traffic.

JBR proposes to defer remediation of diesel contaminated soil until decommissioning and demolition of the Leucite Hills Mine maintenance facilities occurs, as part of the final mine site reclamation (during my site inspection of the facility in October 1995, GPC was told by John Moore that the facility will be decommissioned by the year 2000). This will allow for a more effective and complete remediation at a more reasonable cost.

2.4.3 Groundwater. Operation of the free product recovery system continues. It has been demonstrated that the recovery system has been effective in maintaining the drawdown capture zone of the shallow aquifer water table, preventing contaminated groundwater from leaving the site.

Until the Leucite Hills Mine maintenance facility site is reclaimed, and the contaminated soil is remediated, JBR proposed the following:

1. Continue operation of the existing free product recovery system;

2. Conduct periodic monitoring of existing down-gradient and cross-gradient wells located at the margins of the diesel contamination area;

3. Periodically report the systems operations and monitoring information collected during the reporting period; and,

4. Use appropriate Personal Protection Equipment and site safety equipment to minimize exposure of personnel to the diesel related contamination during subsurface construction activities.

2.5 Groundwater Monitoring and Diesel Recovery. Semi-annual groundwater monitoring of wells MW-7, 10 and 11, as required by the June 1996 GPC review, was performed through June of 1998 when the site was reclaimed. All of the buildings and facilities were razed and the site was leveled. In that process, three of the existing monitoring wells were destroyed. In March 1999, wells MW-7 and MW-10 were sampled, well MW-11 was one of the destroyed wells. The 1999 results for both wells was non-detect for BTEX. However, well MW-7 had 0.4 feet of free phase hydrocarbon (FPH) present in March 1999.

Operation of the diesel recovery system continues, however, the operation is sporadic. The monthly diesel recovery has decreased from 7889 gallons in December 1996, to 7.0 gallons in March 1999.

2.6 October 1999 CAP. A final CAP was submitted to the WQD as planned when the site was reclaimed. The CAP summarizes the existing data and proposes a final remedial action.

2.6.1 Soil Contamination and Proposed Remediation. The 1999 CAP provides a summary of the soil investigations and proposes excavation and land farming of the contaminated soil. The data show that contaminated soil exists from a depth of approximately 6 feet below grade down to at least 18 feet. The areal extent of contamination is generally contained in a 220 foot circle around the point of the leaking pipeline. It is estimated that this area contains 7,510 cubic yards of soil. BBCC evaluated soil vapor extraction, bioremediation, and excavation and land farming as final remedies for the soil. The selected alternative proposes to excavate the contaminated soil and land farm it on mine property. Permitting and oversight of the land farming operation will be handled by the Land Quality Division (LQD).

2.6.2 Groundwater Contamination and Remediation. Groundwater contamination is present at the site from the diesel release. There is also FPH present on the water table. BBCC proposes to continue to operate the recovery system until "soil remediation activities have been completed at the site." It is not clear what measures will be taken following the soil excavation to ensure the groundwater is remediated.

2.7 Responses to WQD 12/16/99 Review. Splitrock Environmental provided responses to our December comments. The response are summarized below.

2.7.1 Soil Excavation.
WQD Comment: Please provide the EPA methods that will be used to field screen the soil for hydrocarbons. How often will the screening be performed?

Splitrock Response: Field Screening using EPA method 9074. Screened every 30 to 50 linear feet.

Comment: The areal extent of the excavation was estimated in Figure 4 of the CAP. How deep will the excavation go? What will be the determining factor(s) for the depth?

Response: The total depth will be about 18 feet depending on groundwater depths and field screening results. As much contaminated soil will be excavated as possible. The CAP stated that 100 mg/kg will be the target for stopping the excavation.

Comment: If the excavation intercepts the water table, groundwater, most likely contaminated by hydrocarbons, will flow into the pit and will need to be managed appropriately. If the groundwater has FPH floating on it, the WQD requires BBCC to remove the FPH to accelerate remediation of the site. Please include a method for removing this contamination if observed.

Response: FPH will be removed by skimmer pumps or by absorbent pads, depending on FPH thickness. The excavation will remain open for 2-3 weeks to allow FPH to accumulate and to allow time for conformation sampling results. This should help speed the remediation of the site.

2.7.2 Groundwater Remediation.
WQD Comment: The October 1999 CAP does not discuss groundwater remediation or continued monitoring of the contamination currently present in the groundwater. A proposal for evaluating the status of the groundwater contamination following the soil excavation needs to be included in the CAP. This should include plans for FPH removal if present, and for long term monitoring and remediation of the groundwater if contamination remains above WQD standards. If any existing wells are destroyed during the excavation, they need to be replaced with wells in the same location, with identical construction. This will enable the WQD to evaluate how effective the soil removal was

in removing the contamination source. Please include specifics on how the wells will be constructed, sampled and analyzed.

Also, please provide a final summary on the operation of the recovery system. Include operation periods or times, system down times and reasons, amount of diesel recovered, and any other pertinent details.

Splitrock Response: Once the excavation is backfilled, 4 replacement wells will be installed near the original locations of the removed wells. Two wells will be placed in the center of the excavation, and two wells will be placed on the north and northeast edge of the excavation. The wells will be installed in the same manner as those that were destroyed. The wells will be sampled for TPH, BTEX and naphthalene using EPA methods 8015 and 8020 on a quarterly basis for one year. If FPH or dissolved phase contamination above WQD standards is discovered, the WQD will be consulted to plan for remediation of the hydrocarbon. If the results are below standards, Black Butte will request closure of the site.

A summary of the FPH recovery system will be provided after the soil excavation has been performed.

3.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

3.1 Please analyze for the diesel range (TPH-DRO) using method 8015.

3.2 Please provide this office a report that summarizes the field activities following the excavation and installation of the replacement wells. The report should include the summary of the hydrocarbon recovery system operation as mentioned above. A final report will be required after the planned year of quarterly sampling if the site is being closed. If additional remediation work is required, a Corrective Action Plan will be required following the year of sampling that addresses the remaining contamination.

3.3 Because Black Butte will be excavating the area where several monitoring wells are located, and in some cases, where wells were destroyed earlier during reclamation activities, please make every attempt to ensure the wells are completely removed and will not provide a preferential pathway for contamination.

END OF REVIEW

MFT/mad 00665.ltr

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 99-511
SPECIAL CONDITIONS

WARDWELL SANITARY SEWER LINE EXTENSION

This permit hereby authorizes the applicant:

Leo Costellow
P. O. Box 50515
Casper, WY 82605

to construct, install or modify a sanitary sewer line according to the procedures and conditions of the application numbers 99-511. The facility is located in the NE/4 SE/4 of Section 6 T33N R79W in the county of Natrona, in the State of Wyoming. This permit shall be effective for a period of one (1) year from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the DEQ/WQD 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: DEQ/WQD, Casper WDEQ Field Office, 3030 Energy Lane, Suite 200, Casper, WY 82604, telephone (307) 473-3452; FAX (307) 473-3458.

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

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

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

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

1 of 5 The applicant will notify the Casper Field Office by the attached post card of the date construction will begin and the estimated completion date.

2 of 5 The applicant will provide immediate oral and/or written notice to the Northeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Casper Field Office on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.

4 of 5 The owner/operator (with responsibility for maintenance and operation) of this of this sanitary sewer line will be Wardwell Water and Sewer District .

4 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Administrator
Water Quality Division

Director
Department of Environmental Quality

12-17-99
Date of Issuance

JDL/pr/mad 93161.ltr

Enclosures: Notification Post Card
Certificate of Completion
Statement of Basis

STATEMENT OF BASIS

I. General information.

A. Permit Number: 99-511

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

Not Applicable (N/A)

B. Briefly state the basis for the deviation.

N/A

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III[1]. (Indicate either applicable or not applicable. If not applicable delete all of Section VI. from the Statement of Basis.)

N/A

VI. N/A

VII. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Dennis Lamb, Northeast District DEQ/WQD-SPO Senior Analyst, and completed on December 14, 1999. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 99-512
SPECIAL CONDITIONS

Satterfield Subdivision 2nd Filing, Cheyenne

This permit hereby authorizes the applicant:

Cheyenne Board of Public Utilities
2406 Snyder Avenue
Cheyenne, Wyoming 82001

to construct, install, and modify water and sewer utilities according to the procedures and conditions of the application number 99-512. 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 2 years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits, or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineering Supervisor, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

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

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

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

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

1 of 5. The applicant will notify the DEQ/WQD Southeast District Office by the attached post card of the date construction will begin and the estimated completion date.

2 of 5. The applicant will provide immediate oral and/or written notice to the DEQ/WQD Southeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 5. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Southeast District Office on the form provided (CERTIFICATION OF COMPLETION) the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. **Submittal of <u>as-constructed plans and specifications</u>** for the system as it was constructed, certified by an engineer if appropriate. All **modifications or deviations** from the authorized plans **must be highlighted.**

4 of 5. <u>Backflow Prevention</u> - Backflow prevention is not specifically discussed. Therefore, **all <u>new</u> residential or domestic nature service taps** connected to water mains **shall be protected by at least <u>a check valve</u>** in accordance with the DEQ/WQD Rules and Regulations Chapter XII Section 14(i)(A). Those taps providing other than residential or "domestic nature only" commercial service must have backflow prevention as recommended by AWWA Standard M14.

5 of 5. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

1-5-00
Date of Issuance

RLE/bb/93230.ltr

STATEMENT OF BASIS

I. General information.

A. Permit Number: 99-512

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

NOT Applicable

B. Briefly state the basis for the deviation.

NOT Applicable

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

NOT Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III[1]. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NOT Applicable

VI. Deleted

VII. Documentation of Statement of Basis.

The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Ronald L. Ewald, Senior Analyst, and completed on December 30, 1999. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

RLE/bb/93230.ltr

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[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

PERMIT TO CONSTRUCT

X New
___ Renewal
Modified

PERMIT NO. 99-513RR
SPECIAL CONDITIONS

McKinnon Water System

This permit hereby authorizes the applicant:

Sweetwater County School District No. 2
320 Monroe Avenue
Green River, WY 82935

to install a hypochlorinator, tank level detection switch, bag filters and a ventilation fan on the existing water system according to the procedures and conditions of application number 99-513RR. The facility is located in NE1/4 Section 16, T12N, R111W in the county of Sweetwater, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division (WQD), to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance, or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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

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

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

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

1 of 5 The applicant will notify the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; by the attached post card of the date construction will begin and the estimated completion date.

2 of 5 The applicant will provide immediate oral and/or written notice to the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.

4 of 5 The proposed modifications to this system shall not be put into operation until the requirements of Chapter 5 of the Wyoming Water Quality Rules and Regulations have been met.

5 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

1-19-2000
Date of Issuance

DHC/mad 00106.ltr

STATEMENT OF BASIS

I. General information.

Permit Number: 99-513RR

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. No

B. Chapter XII. Yes

III. Basis for issuing permit.

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

Yes

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations.

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

Chapter 12 of the Wyoming Water Quality Rules and Regulations does not address the use of bag filters.

B. Briefly state the basis for the deviation.

10 micron and 1 micron bag filters are proposed as pretreatment to remove suspended solids from the influent from the spring water source. The filtered water will then be treated with sodium hypochlorite to achieve the required disinfection and residual chlorine content. Authorization for installing bag filters is based upon their successful use for filtering suspended solids from surface water sources in one other small water treatment system in the District.

C. Permit based on general or statewide deviation contained in approved policy statement

Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter II[1]

Not Applicable

VI. Documentation of Statement of Basis.

The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Doyle Conklin, Southwest District Engineering Supervisor, and completed on January 12, 2000. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 99-514R
SPECIAL CONDITIONS

9th Street Waterline Replacement - Arapahoe to Mondell

This permit hereby authorizes the applicant:

Town of Thermopolis
P. O Box 603
Thermopolis, WY 82443

to construct about 810 feet of 6 inch AWWA C900 PVC water line according to the procedures and conditions of application number 99-514R. The facility is located in NE1/4 SE1/4 Sec. 35, T43N, R95W in the county of Hot Springs, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division (WQD), to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance, or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Jeff Hermansky, Northwest District Engineering Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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

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

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

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

1 of 4 The applicant will notify the Northwest District Engineering Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; by the attached post card of the date construction will begin and the estimated completion date.

2 of 4 The applicant will provide immediate oral and/or written notice to the Northwest District Engineering Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District Engineering Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

2-8-00
Date of Issuance

JCH/mad 00203.ltr

STATEMENT OF BASIS

I. General information.

Permit Number: 99-514R

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. No

B. Chapter XII. Yes

III. Basis for issuing permit.

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations.

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III.

N/A

VI. Documentation of Statement of Basis.

The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Jeff Hermansky, Northwest District Engineering Supervisor, and completed on January 25, 2000. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

PERMIT TO CONSTRUCT

X New
Renewal
___ Modified

PERMIT NO. 99-515
SPECIAL CONDITIONS

Teton Village Association I&S District Storm Water Treatment System

This permit hereby authorizes the applicant:

Teton Village Association Improvement & Service District
Attn:Jim Terry, Chairman
PO Box 866
Teton Village, WY 83025

to construct, install or modify a stormwater collection and treatment system according to the procedures and conditions of the application number 99-515. The facility is located in SE1/4 of Section 24, Township 42 North, Range 117 West, in the county of Teton, in the State of Wyoming. This permit shall be effective for a period of five years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: SRF Program, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

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

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

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

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

1 of 4. The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.

2 of 4. The applicant will provide immediate oral and/or written notice to the Cheyenne Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4. Within sixty days of completion of construction of the authorized facility, the applicant will submit to Cheyenne Office on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.

4 of 4. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Administrator
Water Quality Division

Director
Department of Environmental Quality

1-6-2000
Date of Issuance

PBS/mad 00025.ltr
cc: Robert Norton, Nelson Engineering, Casper

STATEMENT OF BASIS

I. General information.

A. Permit Number: 99-515

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. *yes*

B. Chapter XII. *no*

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

no

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

yes

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

no

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

Stormwater treatment systems, such as oil/water separators and stormwater detention basins, are not addressed within Chapter XI. Section 5, Chapter XI, allows deviations from the regulations to encourage new technology and equipment. Section 5 describes the process for evaluating and permitting these designs. DEQ reviews permit to construct applications on a case-by-case basis using the best available technology.

B. Briefly state the basis for the deviation.

The stormwater treatment system consists of a detention basin, three 1450 feet 24 inch diameter corrugated HDPE water tight conveyance lines, approximately 1920 linear feet of corrugated HDPE storm sewer pipes of various diameters, and five oil/water separators with inlet structures, catch basins, manholes, and connecting pipes. The detention basin is an unlined facility with vegetation along the bottom. A seeping embankment provides secondary treatment by filtering the seepage prior to sheet

flow into Clear Creek. The stormwater runoff system will reduce the concentrations of the contaminants that are presently carried by stormwater into Fish Creek, a Class I Stream. The application describes how the oil/water separators and the stormwater detention basin will remove suspended solids, floating oil and grease and other debris that is carried in the stormwater runoff water. A detailed description of the treatment processes is contained within Section VI below.

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

not applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III[1]. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

applicable

VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

A. Facility will not allow a discharge to groundwater. Briefly describe:
not applicable

B. Quality of wastewater is such that it will not cause a violation of groundwater standards. Briefly describe:

yes

The unlined detention basin lies next to Fish Creek in the Snake River Alluvium. Teton Village municipal supply wells are completed in a lower aquifer at 120 to 150 ft. depth; but there is hydraulic communication between the upper alluvium and lower aquifer. The groundwater in the alluvium is a Wyoming Class 1 groundwater because of the drinking water uses in this area.

The application describes how the treatment processes will remove contaminants in the stormwater to levels below the Class I Groundwater Standards prior to infiltrating to the shallow groundwater beneath the basin. Stormwater runoff samples were taken during runoff events in the Town of Jackson. These samples were composite samples taken during thunderstorms as well as during winter snowmelt. Most of the runoff samples should conservatively represent the quality of the stormwater at Teton Village. The runoff samples taken at Scott Lane are probably the most representative of Teton Village because this area included a parking lot and streets. Stormwater samples were taken in manholes at the beginning of the storm (i.e., first one hour) which is usually when the most contamination is detected in the 'first slug' of runoff water.

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[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

The Town of Jackson's samples were analyzed for most of the common constituents known to be contained in stormwater runoff according to the following references, Handbook: Urban Runoff Pollution Prevention and Control Planning, 1993; Federal Register, Vol. 60, No. 189, Table P-1, p. 5097- 50979. The three parameters that exceed Wyoming Class I Groundwater Standards are ammonia, lead, and phenols. Also detected were oil and grease or TPH. The application provides data obtained from full scale, comparable installations and from pilot plant operations under design conditions which demonstrate the treatment efficiencies of the storm water system.

Because historical groundwater data in Teton Village indicates background levels of phenol that are greater than the peak value found in Town of Jackson stormwater, the treatment/removal of phenol was not discussed.

The peak ammonia nitrogen concentration of 1.92 mg/liter will be removed by the vegetative treatment system in the detention basin. Vegetative reduction of ammonia nitrogen concentrations has been shown to be 77% to 93%.

The peak lead concentration in stormwater runoff was 0.13 mg/l. Heavy metals such as lead will be bound up with suspended solids, a percentage of the lead-adsorbed solids are settled out in the oil/water separators. According to the manufacturer's technical bulletin, the conservative removal efficiency of the lead would be approximately 70%. Applying this removal efficiency to the peak lead concentration and estimating additional removal in the detention basin, the expected lead concentration in the treated water are below the Class 1 Standard of 0.02 mg/l.

The peak concentration of oil and grease found in the stormwater runoff was 9.5 mg/l. According to the oil/water separator manufacturer's technical bulletin, a removal efficiency of 90% for non-soluble motor oil was demonstrated in laboratory tests. This removal efficiency is applicable to about 10 - 20 gpm/ft^2 which is comparable to a 2-month or less storm event. In addition to removing oil, the oil/water separators will provide a significant amount of spilled storage. The peak oil and grease concentration of the effluent from the oil/water separator would be reduced to approximately 1.0 mg/l based upon a 90% removal efficiency. Secondary treatment processes __ evaporation and/or biological degradation in the detention basin would also reduce the oil and grease concentrations.

C. Existing soils or geology will not allow a discharge to groundwater. Briefly describe:
not applicable

D. Basis of facility design is that it will be operated so as not to violate groundwater standards (example: maintenance of manure pack at animal waste treatment facility). Briefly describe:
not applicable

E. Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:
not applicable

F. If water quality exceedances are allowed, briefly describe the parameter limits, property boundaries, places of withdrawal and any other information documenting that any users of affected aquifer will not be impacted.
not applicable

G. Briefly describe monitoring system (parameters, frequency, etc.). Clearly state the parameters to be utilized for determining compliance, what constitutes a violation and steps to be followed by the permittee in the event of a violation.
not applicable

VII. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Phillip Stump, Senior Environmental Analyst, and completed on January 5, 2000. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

PERMIT TO CONSTRUCT

X New
___ Renewal
Modified

PERMIT NO.99-516R
SPECIAL CONDITIONS
REF/PERMIT NO.WY6720018

Torrington Water Supply Project Test/Production Well

This permit hereby authorizes the applicant:

City of Torrington
P.O. Box 250
Torrington WY 82240

to construct, install or modify a two monitoring wells and one test/production well to determine aquifer characteristics and water quality for proposed well field according to the procedures and conditions of the application number 99-516R. The facility is located in NW 1/4 Section 17 T24N R61W in the county of Goshen, in the State of Wyoming. This permit shall be effective for a period of two years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

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

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

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

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

1 of 8 The applicant will notify the DEQ/WQD Southeast District Office by the attached post card of the date construction will begin and the estimated completion date.

2 of 8 The applicant will provide immediate oral or written notice to the DEQ/WQD Southeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 8 Two tests shall be conducted for groundwater under the direct influence of surface waters in accordance with current EPA guidance. One sample should be taken within thirty minutes of the start of the step test cycle and another sample at the end of the extended pump test.

4 of 8 Hourly river level readings reported as elevation (msl) shall be taken during pump testing. The river level readings shall be taken at the point where the river is closest to the test well.

5 of 8 Please consider surveying a profile through the test well to five foot above the historical high water mark on both banks of the river valley.

6 of 8 The location of the test well shall be reported in latitude and longitude to the nearest 0.1 seconds. An as-built drawing showing the location of the test well and the monitoring wells relative to each other, the river, and the section lines shall be submitted. The location drawing should show the identification of the wells, the elevation of the ground surface, the elevation of the top of casing for each well, and the elevation of the bottom of the hole.

7 of 8 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed;

b. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

c. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.

The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

1-31-00
Date of Issuance

LBH/mad 00169.ltr

cc: Dale Anderson, WWDC; Roy Prior, RUS; Keith Clarey, Tri-Hydro

STATEMENT OF BASIS

I. Permit Number: 99-516R

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. NO

B. Chapter XII. YES

III. Basis for issuing permit: Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

IV. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III.

NO

V. Documentation of Statement of Basis.

The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Louis B. Harmon, Southeast District Engineering Supervisor, and completed on January 20, 2000. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 99-517
SPECIAL CONDITIONS

HUME DRAW SUBDIVISION

This permit hereby authorizes the applicant:

Brett Sayer
1331 South Sheridan Avenue
Sheridan WY, 82801

to construct, install or modify a water distribution system according to the procedures and conditions of the application numbers 99-517. The facility is located in the SW/4 of Section 22 T56N R84W in the county of Sheridan, in the State of Wyoming.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: DEQ/WQD, Casper WDEQ Field Office, 3030 Energy Lane, Casper, WY 82604, telephone (307) 473-3452; FAX (307) 473-3458.

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

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

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

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

1 of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.

2 of 4 The applicant will provide immediate oral and/or written notice to the Northeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

1-12-2000
Date of Issuance

JDL/mad 00085.ltr
Enclosures: Construction Notice Post Card, Certificate of Completion and Statement of Basis

STATEMENT OF BASIS

I. General information.

A. Permit Number: 99-517

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter 11 No

B. Chapter 12 Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

No

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

N/A

B. Briefly state the basis for the deviation.

N/A

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III[1]. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

A. Facility will not allow a discharge to groundwater. Briefly describe:

N/A

B. Quality of wastewater is such that it will not cause a violation of groundwater standards. Briefly describe:

N/A

C. Existing soils or geology will not allow a discharge to groundwater. Briefly describe:

N/A

D. Basis of facility design is that it will be operated so as not to violate groundwater standards (example: maintenance of manure pack at animal waste treatment facility). Briefly describe:

N/A

E. Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

N/A

F. If water quality exceedances are allowed, briefly describe the parameter limits, property boundaries, places of withdrawal and any other information documenting that any users of affected aquifer will not be impacted.

N/A

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[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

G. Briefly describe monitoring system (parameters, frequency, etc.). Clearly state the parameters to be utilized for determining compliance, what constitutes a violation and steps to be followed by the permittee in the event of a violation.

N/A

VII. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Dennis Lamb, NE Water & Wastewater Section Senior Analyst, and completed on January 10, 2000. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 99-518
SPECIAL CONDITIONS

GENTZLER RESIDENTIAL SEPTIC SYSTEM

This permit hereby authorizes the applicant:

Todd and Toni Gentzler
P. O. Box 301
Sundance, WY 82729

to construct, install or modify a septic system according to the procedures and conditions of the application number 99-518. The facility is located in the S/2 SE/4 of Section 5 of T52N R65W in the county of Crook, in the State of Wyoming. This permit shall be effective for a period of one (1) year from the date of issuance of this permit.

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

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

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

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

The permittee shall notify representatives from the DEQ/WQD 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: DEQ/WQD, Casper WDEQ Field Office, 3030 Energy Lane, Suite 200, Casper, WY 82604, telephone (307) 473-3452; FAX (307) 473-3458.

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

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

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

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

1 of 4 The applicant will notify the Casper Field Office by the attached post card of the date construction will begin and the estimated completion date.

2 of 4 The applicant will provide immediate oral and/or written notice to the Northeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Casper Field Office on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Administrator
Water Quality Division

Director
Department of Environmental Quality

1-5-00
Date of Issuance

JDL/pr:12/21/99
b/93206.ltr
Enclosures: Notification Post Card
Certificate of Completion
Statement of Basis

STATEMENT OF BASIS

I. General information.

A. Permit Number: 99-518

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. No

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

Not Applicable (N/A)

B. Briefly state the basis for the deviation.

N/A

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III[1]. (Indicate either applicable or not applicable. If not applicable delete all of Section VI. from the Statement of Basis.)

N/A

VI. N/A

VII. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Dennis Lamb, Northeast District DEQ/WQD-SPO Senior Analyst, and completed on December 21, 1999. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

JDL/bb/93206.ltr

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[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 99-519
SPECIAL CONDITIONS

Walgreens Commercial Business - Water and Sewer Services

This permit hereby authorizes the applicant:

Cheyenne Board of Public Utilities
P.O. Box 1469
Cheyenne, Wyoming 82003

to construct, install, and modify water and sewer utilities according to the procedures and conditions of the application number 99-519. The facility is located in the SE 1/4 of Section 33, T14N, R66W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits, or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Engineering Supervisor, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

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

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

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

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

1 of 5. The applicant will notify the DEQ/WQD Southeast District Office by the attached post card of the date construction will begin and the estimated completion date.

2 of 5. The applicant will provide immediate oral and/or written notice to the DEQ/WQD Southeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 5. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Southeast District Office on the form provided (CERTIFICATION OF COMPLETION) the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. **Submittal of <u>as-constructed plans and specifications</u>** for the system as it was constructed, certified by an engineer if appropriate. All **modifications or deviations** from the authorized plans **must be highlighted**.

4 of 5. <u>Backflow Prevention</u> - Backflow prevention is not specifically discussed. Therefore, **<u>all non-residential commercial services</u>** and **<u>building fire protection services</u>** shall have backflow prevention as recommended by **AWWA Standard M14** and in accordance with the DEQ/WQD Rules and Regulations **Chapter 12, Section 14(i)(A)**. Additionally, all backflow prevention devices shall be approved by the **University of Southern California - Foundation for Cross Connection Control** (USC-FCCC).

of 5. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

1-5-00
Date of Issuance

LE/mad 93233.ltr

STATEMENT OF BASIS

___ General information.

A. Permit Number: 99-519

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter XI. Yes

B. Chapter XII. Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

NOT Applicable

B. Briefly state the basis for the deviation.

NOT Applicable

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

NOT Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III[1]. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NOT Applicable

VI. Deleted

VII. Documentation of Statement of Basis.

The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Ronald L. Ewald, Senior Analyst, and completed on January 3, 2000. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

PERMIT TO CONSTRUCT

X New
— Renewal
Modified

PERMIT NO.99-520
SPECIAL CONDITIONS
REF/PERMIT NO. NPDES WY0039438

Spur Cattle Co. Feedlot Monitoring Wells and Sampling and Analysis Plan

This permit hereby authorizes the applicant:

Dave T. Kidd, Kidd-Spur Ranch
1114 Sybille Creek
Wheatland WY 82201

to construct, install or modify an installation of monitoring wells and sampling and analysis plan according to the procedures and conditions of the application number 99-520. The facility is located in NW 1/4 Section 19 T23N R68W in the county of Platte, in the State of Wyoming. This permit shall be effective for a period of five years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and

operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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

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

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

1 of 13 The applicant will notify the DEQ/WQD Southeast District Office by the attached post card of the date construction will begin and the estimated completion date.

2 of 13 The applicant will provide immediate oral or written notice to the DEQ/WQD Southeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 13 A map shall be prepared at a scale of 1"=500 ft overlaid on either an USGS 7 ½' topographic sheet enlarged to scale or on an aerial photo adjusted 1"=500 ft. The map shall show the section and 1/4 section lines, the perimeter of the pen areas, the location of the sprinkler and the irrigated areas, and the location and identification of each well. The map shall include the locations of all houses within 2500 ft of the perimeter of the feedlot and all wells permitted with the Wyoming State Engineer that fall within that distance. Any known unpermitted wells within that distance shall also be shown.

4 of 13 All available information for each existing well shall be submitted. Two photographs of each well shall be submitted. One photo shall be a close up, the other photo shall show the well head and the immediate surroundings. The photos shall be identified with the well identifier, the orientation, and the date.

5 of 13 Two or more additional wells shall be constructed as indicated in the permit application. All new wells shall be constructed in accordance with Water Quality Division Groundwater Guidelines 2 and 3 and properly permitted with the Wyoming State Engineers Office. The purpose of the new wells is to properly determine the groundwater gradient and to permit sampling of any groundwater flow crossing property lines.

6 of 13 A table shall be prepared that lists each well with a unique identifying name or number, the 1/4 section, section, township, and range, the distance to the nearest north-south and east-west section lines, the surface elevation, the elevation of the top of the casing, the depth of the well, and the depth to the top of the well screen. All depths shall be measured and identified as measured from the top of the casing.

7 of 13 The Water Quality Division Southeast District Engineer (307-777-7088) shall be notified the next business day of any sample results that exceed a nitrate level of 7.5 ppm, of any precipitation event exceeding 2.7 inches in a 24 hour period (a 24 hour 25 year storm), or of any release of feedlot runoff from the property.

8 of 13 Before any well is sampled a minimum of three casing volumes shall be pumped or bailed from the well.

9 of 13 Any well with a sample exceeding 7.5 ppm of nitrates as "N" shall be immediately re-sampled. The re-sample shall be analyzed for not only nitrates, but ammonia, total coliform count, pH, total dissolved solids, and conductivity. The sampling frequency for all wells shall be increased to monthly in case of any re-test result exceeding 7.5 ppm of nitrates as "N" until the Water Quality Division provides other instructions. If the repeated sampling indicates that the nitrate levels are elevated as the direct result of feedlot activities, corrective actions shall be implemented.

10 of 13 If the pens are to remain un-occupied for a period of nine months or more, the following procedures shall be implemented to prevent downward movement of ammonia and nitrates retained in the manure pack:

a. Upon removal of cattle from a pen, the manure above the manure pack shall be piled. The manure shall be removed from the pen within 6 months of being piled.

b. As soon as it is determined that the pen will be unoccupied for more than 9 months, the manure pack shall be removed. The pen shall be seeded to a high nitrogen demand forage crop at the start of each of the next several growing seasons. All forage produced shall be harvested and removed from the pens. This approach has been demonstrated to effectively recover the various forms of nitrogen tied up in the manure pack and the topsoil in the pen areas.

c. The forage cropping can be halted when soil samples from the surface (0 - 12") soil horizon and the sub-surface (36"-48") soil horizon demonstrate that the nitrogen ions have been effectively returned to levels of less than 100 lbs/ acre available "N".

11 of 13. The natural low-laying areas receiving runoff from the pen areas shall be maintained with perennial stands of forage crops. Annual soil sampling for available "N" of the surface (0 - 12") soil horizon and the sub-surface (36"-48") soil horizon demonstrate that the nitrogen ions are being effectively managed by the cropping to prevent nitrates from moving downward from the subsoil into the deep vadose zone and potentially into the groundwater. Deep soil horizon available "N" values showing an increasing trend above 160 lbs per acre of available "N" between the depths of 24" and 48" shall require corrective measures as approved or required by the Water Quality Division. Such corrective measures may include installation of lined liquid waste lagoons.

12 of 13 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.

13 of 13 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

1-12-2000
Date of Issuance

LBH/mad 00086.ltr

cc: Platte County Resource District
302 A 16th Street
Wheatland, WY 82201

STATEMENT OF BASIS

I. Permit Number: 99-520

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. YES

B. Chapter XII. NO

III. Basis for issuing permit: Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

IV. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III.

YES

V. The basis of determining groundwater protection will be provided is:

A. Facility will not allow a discharge to groundwater. Briefly describe: The depth to groundwater of 20 ft or more, the maintenance and harvesting of high nitrogen uptake crops in the runoff area, and the very low permeability of the manure pack in the feedlot pen areas will effectively reduce downward movement of nitrogen ions through the soil profile that reach the groundwater.

B. Quality of wastewater is such that it will not cause a violation of groundwater standards. Briefly describe: The wastewater will contain ammonia and nitrates at concentrations that could potentially cause a violation of groundwater standards.

C. Existing soils or geology will not allow a discharge to groundwater. Briefly describe: The depth to groundwater in combination with best management practices will prevent significant impact to the groundwater from wastewater discharges.

D. Basis of facility design is that it will be operated so as not to violate groundwater standards (example: maintenance of manure pack at animal waste treatment facility). Briefly describe: The manure pack in combination with the best management practices of maintaining forage crops with a high nitrogen demand will greatly reduce the chances of violation of groundwater standards. The sampling and analysis plan is designed to provide early detection of any impact to groundwater from the operation. The permit requires preventative and corrective actions at the designated action level of 7.5 ppm, of nitrates as "N" in order to prevent any violation of groundwater standards as a result of livestock operations.

E. Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe: N/A

F. If water quality exceedances are allowed, briefly describe the parameter limits, property boundaries, places of withdrawal and any other information documenting that any users of affected aquifer will not be impacted. N/A

G. Briefly describe monitoring system (parameters, frequency, etc.). Clearly state the parameters to be utilized for determining compliance, what constitutes a violation and steps to be followed by the permittee in the event of a violation. The Water Quality Division Chapter 8 and U.S. EPA Safe Drinking Water Act maximum contaminant level for nitrates as "N" is 10.0 ppm. A network of five or more monitoring wells will be sampled semi-annually. The wells will be sampled for static water levels and nitrate levels. The action level for nitrates determined to be the direct result of feedlot activities is 7.5 ppm "N". Nitrate levels of 10.0 ppm "N" determined to be the direct result of feedlot activities shall require cessation of feeding activities and restoration of the pen areas.

VI. Documentation of Statement of Basis.

The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Louis B. Harmon, Southeast District Engineering Supervisor, and completed on January 11, 2000. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

PERMIT TO CONSTRUCT

x New
__ Renewal
__ Modified

PERMIT NO. 99-521
SPECIAL CONDITIONS

Rimrock West Subdivision - Phase I

This permit hereby authorizes the applicant:

Rimrock West
2030 Carson Street
Rock Springs, WY 82901

to construct a water distribution system extension and a sanitary sewer collection system extension according to the procedures and conditions of application number 99-521. The facility is located in Section 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 from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division (WQD), to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance, or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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

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

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

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

1 of 4 The applicant will notify the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; by the attached post card of the date construction will begin and the estimated completion date.

2 of 4 The applicant will provide immediate oral and/or written notice to the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

2-8-00
Date of Issuance

DHC/mad 00274.ltr

cc: City of Rock Springs; Department of Engineering and Operations; 212 D Street; Rock Springs, WY 82901

STATEMENT OF BASIS

I. General information.

Permit Number: 99-521

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. Yes

B. Chapter XII. Yes

III. Basis for issuing permit.

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations.

Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III[1].

Not Applicable

[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

VI. Documentation of Statement of Basis.

The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Doyle Conklin, Southwest District Engineering Supervisor, and completed on February 3, 2000. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

PERMIT TO CONSTRUCT

X New
__ Renewal
Modified

PERMIT NO. 99-522
SPECIAL CONDITIONS
REF/PERMIT #95-002R

Sage Creek Service Area Water Extension

This permit hereby authorizes the applicant:

Northwest Rural Water District
P. O. Box 2347
Cody, WY 82414

to construct about 4840 feet of 4 inch water main according to the procedures and conditions of application number 99-522. The facility is located in Sec.8, Lots 1 & 2, Lot 50, Lot 60, T52N, R10W, Resurvey in the county of Park, in the State of Wyoming. This permit shall be effective for a period of three (3) years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division (WQD), to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance, or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Jeff Hermansky, Northwest District Engineering Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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

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

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

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

1 of 4 The applicant will notify the Northwest District Engineering Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; by the attached post card of the date construction will begin and the estimated completion date.

2 of 4 The applicant will provide immediate oral and/or written notice to the Northwest District Engineering Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District Engineering Supervisor, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of th permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

1-27-2000
Date of Issuance

JCH/jm
b/00198.LTR

STATEMENT OF BASIS

I. General information.

Permit Number: 99-522

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. No

B. Chapter XII. Yes

III. Basis for issuing permit.

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations.
N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III.

N/A

VI. Documentation of Statement of Basis.

The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review w performed by Jeff Hermansky, Northwest District Engineering Supervisor, and completed on January 24, 2000. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

JCH/bb/00198.ltr

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 99-523
SPECIAL CONDITIONS

East Street Water Main

This permit hereby authorizes the applicant:

Town of Lyman
P.O. Box 300
Lyman, WY 82937

to construct approximately 765 feet of new 8-inch diameter water line, and replace approximately 1,260 feet of 6-inch diameter water line with 10-inch diameter line according to the procedures and conditions of application number 99-523. The facility is located in E1/2 Section 32, T16N, R114W in the county of Uinta, in the State of Wyoming. This permit shall be effective for a period of five (5) years from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division (WQD), to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance, or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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

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

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

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

1 of 4 The applicant will notify the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; by the attached post card of the date construction will begin and the estimated completion date.

2 of 4 The applicant will provide immediate oral and/or written notice to the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the SW District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

1-19-00
Date of Issuance

DHC/dc
b/00150.ltr

STATEMENT OF BASIS

I. General information.

Permit Number: 99-523

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. No

B. Chapter XII. Yes

III. Basis for issuing permit.

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations.

Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III[1].

Not Applicable

VI. Documentation of Statement of Basis.

The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

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[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review w performed by Doyle Conklin, Southwest District Engineering Supervisor, and completed on January 18, 2000. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

DHC/bb/00150.ltr

The State
of Wyoming

Jim Geringer, Governor

Department of Environmental Quality

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

ADMIN/OUTREACH	ABANDONED MINES	AIR QUALITY	INDUSTRIAL SITING	LAND QUALITY	SOLID & HAZ. WASTE	WATER QUALITY
(307) 777-7758	(307) 777-6145	(307) 777-7391	(307) 777-7369	(307) 777-7756	(307) 777-7752	(307) 777-7781
FAX 777-3610	FAX 777-6462	FAX 777-5616	FAX 777-6937	FAX 777-5864	FAX 777-5973	FAX 777-5973

CERTIFIED

July 5, 2000

George W. Liberty
Box 881 - 548 W. Pittsburg St.
Guernsey, WY 82214

RE: George W. Liberty, Tract #3 Jehosiphat Addition Septic System, Application #**99-524**
APPLICATION RETURNED: Non-response to December 29, 1999 review.

Dear Mr. Liberty:

This application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct permitting process.

This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and is 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 information and instructions. **If you wish to reconsider** construction of this facility, then **application procedures** pursuant to Chapter III, Wyoming Water Quality Rules and Regulations **must be followed.**

Sincerely,

Ronald L. Ewald

Ronald L. Ewald
Environmental Senior Analyst
SE District/Water Quality Division

RLE/bb/01709.ltr

Enclosure: Original application materials

cc: IPS

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: George W. Liberty, Tract #3 Jehosiphat Addition Septic System

ENGINEER: None

APPLICANT: George W. Liberty
Box 881 - 548 W. Pittsburg St.
Guernsey, Wyoming 82214
Ph: (307) 836-2570

WATER QUALITY DIVISION REFERENCE NUMBER: **99-524**

REVIEWING ENGINEER: Ronald L. Ewald RLE
Phone: (307) 777-6183

DATE OF REVIEW: December 29, 1999

ACTION: **NOT AUTHORIZED FOR CONSTRUCTION**. In accordance with Section 12 (a), Chapter III, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with Section 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Design Package Required - All that was received from you was the general permit application form. There is an application design package which must be completed and submitted for review. An application design package is included with this review. Please complete it and return it as soon as possible.

RLE/bb/93216.ltr

The State
of Wyoming

Department of Environmental Quality

Jim Geringer, Governor

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

ADMIN/OUTREACH	ABANDONED MINES	AIR QUALITY	INDUSTRIAL SITING	LAND QUALITY	SOLID & HAZ. WASTE	WATER QUALITY
(307) 777-7758	(307) 777-6145	(307) 777-7391	(307) 777-7369	(307) 777-7756	(307) 777-7752	(307) 777-7781
FAX 777-3610	FAX 777-6462	FAX 777-5616	FAX 777-6937	FAX 777-5864	FAX 777-5973	FAX 777-5973

CERTIFIED

July 5, 2000

D.E. Brooks
Hwy 270
Manville, Wyoming 82227

RE: Brooks Ranch Cabin Septic System, Application **#99-525, APPLICATION RETURNED:** Non-response to December 29, 1999 review.

Dear Mr. Brooks:

This application is considered inactive and is being returned under the assumption that the applicant does not wish to proceed with the permit to construct permitting process.

This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and is 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 information and instructions. **If you wish to reconsider** construction of this facility, then **application procedures** pursuant to Chapter III, Wyoming Water Quality Rules and Regulations **must be followed.**

Sincerely,

Ronald L. Ewald

Ronald L. Ewald
Environmental Senior Analyst
SE District/Water Quality Division

RLE/bb/01710.ltr
Enclosure: Original application materials
cc: IPS

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Brooks Ranch Cabin Septic System

ENGINEER: None

APPLICANT: D. E. Brooks
Hwy 270
Manville, Wyoming 82227
Ph: (307) 334-5108

WATER QUALITY DIVISION REFERENCE NUMBER: **99-525**

REVIEWING ENGINEER: Ronald L. Ewald RLE
Phone: (307) 777-6183

DATE OF REVIEW: December 29, 1999

ACTION: **NOT AUTHORIZED FOR CONSTRUCTION**. In accordance with Section 12 (a), Chapter III, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with Section 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Design Package Required - All that was received from you was the general permit application form. There is an application design package which must be completed and submitted for review. An application design package is included with this review. Please complete it and return it as soon as possible.

RLE/bb/93227.ltr

Enclosure

DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE OF WYOMING
GROUNDWATER POLLUTION CONTROL PERMIT
AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS

(Permit to Inject)

(X) New
( ) Modified

Permit Number: UIC 99-526
Subclass Number: 5E3

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 3 (March 28, 1988), and Chapter 16 (April, 1998).

Applicant: Deike Estates Sewer Improvement District (SID)
C/O Jack Sapp, Sapp Brothers
3360 I-80 Service Road
Cheyenne, WY 82009
(307) 632-6600

is authorized to operate the Deike Estates Wastewater Facility in the NE¼NE¼, Section 28, Township 14 North, Range 65 West, of the 6th Principal Meridian; according to the procedures and conditions of application # 99-526 and requirements and other conditions of this permit as contained on pages 1 through 8.

This permit shall become effective on date of issuance.

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

7/17/00
Date

Director
Department of Environmental Quality
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

20 July 00
Date

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****

A. DISCHARGE ZONE AND AREA OF REVIEW

Discharge Zone:

This injection facility (sanitary leachfield) is authorized to inject into the Ogallala Aquifer from zero to 50 feet below the ground surface.

Area of Review

The facility authorized by this permit is located in:

Township 14 North, Range 65 West, 6th Principal Meridian
Section 28: NE¼NE¼

The Area of Review around this facility is legally described as:

Township 14 North, Range 65 West, 6th Principal Meridian
Section 27: NW¼
Section 28: NE¼

B. GROUNDWATER CLASSIFICATION

The groundwater in the Ogallala Aquifer is classified as class I (Domestic) under Chapter VIII of Wyoming Water Quality Rules and Regulations (April 9, 1980). This classification was made because:

a. The groundwater in this formation meets all of the quality standards set forth Chapter VIII for class I water; and

b. The groundwater in this formation is currently being used for domestic purposes at several points of withdrawal;

Groundwater of class I shall not be degraded so as to make it unusable as a source of water for this purpose. Any parameters which do not meet the class of use standard shall not be degraded whatsoever.

C. AUTHORIZED OPERATIONS

Deike Estates SID is authorized to inject 578 barrels per day, (24,256 gallons per day) of wastewater as described: Sanitary waste only from a primarily commercial subdivision. Deike Estates SID is authorized to inject at a pressure of no more than 10 psi as measured at the leachfield. This pressure is controlled by gravity drainage and is not required to be monitored.

Hazardous Waste This permit does not allow for the injection of any hazardous waste as defined by 40 CFR 261. Injection of any substance defined as hazardous waste, whether hazardous by listing or by characteristic is a violation of this permit.

In the event that additional facilities are constructed that add to the demand on this septic system, additional capacity will be required for the septic system. Any such expansion shall be reported to the DEQ in the form of a modified permit application showing the required additional drainfield capacity. Modifications within the subdivision which do not add to the total flow to the septic system may be made without modifying this permit.

D. 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. Deike Estates SID shall prepare records of all monitoring information 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 groundwater in the receiving formation shall be sampled and the following parameters analyzed on the following schedule and from the following wells.

WELL NAME OR NUMBER	SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT (UCL)*
The downgradient monitor well shown on Sheets 3 and 6 of the final plan as '4" PVC monitor well.'	Quarterly	EPA 200 Series Methods	Cadmium	.010
			Chromium	.050
			Lead	.050
		EPA Method 350.3	Ammonia as N	.500
		EPA Method 353.2	Nitrate as N	10.0

*All chemical concentrations in this permit are expressed in mg/l unless otherwise noted.

The above Upper Control Limit (UCL) is not to be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require corrective action. In the event that any of the above UCL's are exceeded, the Deike Estates SID shall immediately sample all domestic use wells within the district boundaries for Total Coliform Bacteria.

After the first two years of operation, the Water Quality Division may, without reissuing this permit, waive further monitoring of any parameter from the above list or may require additional monitoring based on new information about the nature of the waste. The Water Quality Division may also, aft the first two years of operation, approve a more or less stringent monitoring schedule.

E. REQUIREMENTS FOR MONITORING THE DISCHARGE

Deike Estates SID shall monitor the quality of the effluent on the following schedule. The following parameters shall be analyzed by the listed methods and reported semiannually:

SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT (UCL) *
May and September each year	EPA 200 Series Methods	Cadmium	.010
		Chromium	.050
		Lead	.050
	EPA Method 420.1	Total Phenols	.250
	EPA Method 350.3	Ammonia as N	75.0
	EPA Method 624	Purgeable Aromatic Hydrocarbons	Federal Drinking Water MCL's for individual compounds

*All chemical concentrations in this permit are expressed in mg/l unless otherwise noted. The above Upper Control Limit (UCL) is not to be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require corrective action. In the event that any contaminant is found to exceed the above UCL's the Deike Estates SID shall undertake a study to determine and eliminate the source of that contaminant from the waste stream. Any parameter found to be exceeding the above UCL shall be sampled for in the downgradient well if not already sampled for. Deike Estates SID shall sample the downgradient well within 30 days of the date that he becomes aware of any exceedance of the above UCL's. After the first two years of operation, the Water Quality Division may, without reissuing this permit, waive further monitoring of any parameter from the above list or may require additional monitoring based on new information about the nature of the waste. The Water Quality Division may also, after the first two years of operation, approve a more or less stringent monitoring schedule.

F. RECORDS AND REPORTS

1. Deike Estates SID 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. Deike Estates SID shall give notice to the administrator as soon as possible of any planned physical alterations or additions to the permitted facility.

3. 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 30 days following each schedule date.

4. Deike Estates SID shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time Deike Estates SID 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 Deike Estates SID 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.

5. Deike Estates SID shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 4. above.

6. When Deike Estates SID 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.

7. Deike Estates SID shall retain all records concerning the nature and composition of injecte 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.

8. 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 Deike Estates SID has submitted notice of completion of construction to the administrator,

   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 Deike Estates SID 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. Deike Estates SID has submitted, and the Water Quality Division has approved, an Operation and Maintenance Manual for both the septic system and the public water system.

9. The annual report of operations for this facility shall be submitted on forms provided by tl department and shall include the following information:

   a. Any permit exceedances within the previous year.

   b. The analytical results for sampling for the injected water and any groundwater sampling results required under Section D or E of this permit.

   c. Annual reports are due in the Cheyenne office of the Water Quality Division no later than December 1 of each year.

10. 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.

G. GENERAL CONDITIONS

1. 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:

   a. Violation of the permit;

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

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

3. 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 Deike Estates SID's discharge, as may be ordered by the council. This permit can be terminated by authority of the administrator for one or more permit violations.

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

5. Any permit noncompliance constitutes a violation of the permit.

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

7. 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.

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

9. 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.

10. 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.

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

H. DUTIES OF Deike Estates SID

It is a duty of Deike Estates SID 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 Deike Estates SID 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; and

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.

I. SPECIAL MEASURES THE DIRECTOR FINDS NECESSARY:

1. In the event that sewage is found to be surfacing from the leachfield covered by this permit, this is a violation of this permit and shall be reported immediately as required by Section F of this permit. In the event that the leachfield covered by this permit should fail, it is not necessary to modify this permit to allow for the replacement leachfield shown on sheet 5 of the plans to be installed, so long as the construction specifications remain the same. The Deike Estates SID shall notify the department that the replacement leachfield is to be installed within 90 days of determining that the primary leachfield has failed.

2. The Deike Estates SID shall notify the Laramie County Health Department, Division of Environmental Health, 100 Central Avenue, Cheyenne, WY 82007 and (307) 366-4090 at least three days prior to installing the septic system to arrange for an on-site inspection of the facility.

J. SIGNATORIES REQUIREMENT

1. 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;

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

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

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

   c. The written authorization is submitted to the administrator.

2. 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.

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

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

RFL/mad/01820.ltr

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

A. Permit Number: 99-526

B. Facilities Covered: The Deike Estates Septic System. Covers a large scale sanitary septic system with a capacity of 24,256 gallons per day, sewer lines to serve that facility, septic tanks, and a leachfield to reach that capacity.

C. Class of Facility: 5E3 (Under Chapter 16)

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter 8	Yes	D. Chapter 12.	No
B. Chapter 9	No	E. Chapter 13.	No
C. Chapter 11.	Yes	F Chapter 16.	Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit based on deviation from applicable regulations in accordance with approved policy statement.
No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

NOT Applicable

V. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter III. Note that sediment ponds, public water supplies, sewerage systems, and small wastewater systems are exempt from the requirements of Section 17. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

Applicable. This is a existing system with a new leachfield to replace a failed leachfield. A groundwater review has been completed in accordance with Section 17. This modification provides for a flow capacity to 24,256 gallons per day. Design flow rate has been increased compared to the design basis for the failed system.

VI. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

VII. Applicant and Public Participation

A. The applicant has been provided with a draft permit prior to the permit being issued.

B. A Public Notice has been issued with a public notice period starting May 30, 2000 and ending on June 30, 2000. (30 day notice as required by Chapter 16.) This notice was published in the Cheyenne Eagle Tribune on or before the start of the public comment period.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 5, Chapter 16, Wyoming Water Quality Rules and Regulations. This review was performed by Robert F. Lucht, P.E. and P.G., UIC Program Supervisor, and completed on May 17, 2000. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

RFL/mad/01234.ltr

PERMIT TO CONSTRUCT

X New
Renewal
Modified

PERMIT NO. 99-527
SPECIAL CONDITIONS

SUGARLAND DRIVE WATERLINE UPGRADE

This permit hereby authorizes the applicant:

Wal-Mart Stores, Inc.
2001 S. E. 10th Street
Bentonville, AR 72716

to construct, install or modify a water distribution system according to the procedures and conditions of the application number 99-527. The facility is located in the NE/4 of Section 35 of T56N R84W in the county of Sheridan, in the State of Wyoming. This permit shall be effective for a period of one (1) year from the date of issuance of this permit.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, to enter and inspect any property, premise or place on or at which the facility is located or is being constructed or installed for the purpose of investigating actual or potential sources of water pollution, and for determining compliance or non-compliance with any rules, regulations, standards, permits or orders.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Northeast District, State of Wyoming, DEQ, Water Quality Division, 1043 Coffeen Avenue, Suite D, Sheridan, Wyoming 82801; telephone (307) 672-6457; FAX (307) 674-6050.

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

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

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

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

1 of 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.

2 of 4 The applicant will provide immediate oral and/or written notice to the Northeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:

a. Date that construction of the facility was completed; and

b. Date that the facility was placed in operation; and

c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or

d. Certification the facility was completed with changes or modifications. Submittal of as constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

Gary Beach
Administrator
Water Quality Division

Dennis Hemmer
Director
Department of Environmental Quality

1-10-2000
Date of Issuance

DRM:dm 01/06/00
b/00038.ltr
Enclosures: Construction Notice Post Card, Certificate of Completion and Statement of Basis
xc: Allen Penny, Project Manager, CEI, 110 West Central, Bentonville, AR, 72712
Steve Peterson, City of Sheridan

STATEMENT OF BASIS

I. General information.

A. Permit Number: 99-527

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter 11 No

B. Chapter 12 Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

C. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

Not Applicable (N/A)

B. Briefly state the basis for the deviation.

N/A

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

N/A

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III[1]. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

A. Facility will not allow a discharge to groundwater. Briefly describe:

N/A

B. Quality of wastewater is such that it will not cause a violation of groundwater standards. Briefly describe:

N/A

C. Existing soils or geology will not allow a discharge to groundwater. Briefly describe:

N/A

D. Basis of facility design is that it will be operated so as not to violate groundwater standards (example: maintenance of manure pack at animal waste treatment facility). Briefly describe:

N/A

E. Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

N/A

F. If water quality exceedances are allowed, briefly describe the parameter limits, property boundaries, places of withdrawal and any other information documenting that any users of affected aquifer will not be impacted.

N/A

---

[1]Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

G. Briefly describe monitoring system (parameters, frequency, etc.). Clearly state the parameters to be utilized for determining compliance, what constitutes a violation and steps to be followed by the permittee in the event of a violation.

N/A

VII. Documentation of Statement of Basis.

A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Don McKenzie, NE Water & Wastewater Section Program Principal, and completed on January 6, 2000. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

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