WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. **07-402**

NSU Wastewater System: Phase II – Holding Tanks

This permit hereby authorizes the applicant:

Alpine Junction, LLC
Attn. Michael T. Halpin, V.P. of Meridian Group, as Mgr. AJLLC
P.O. Box 610
Jackson, Wyoming 83001

to construct, install or modify temporary sewage holding tanks according to the procedures and conditions of the application number **07-402**. The facility is located in the NW¼ NW¼ of Section 29, T37N, R118W, in the county of Lincoln, in the State of Wyoming. All operation of the holding tank configuration shall be discontinued by December 31, 2007.

The issuance of this permit confirms that the Wyoming 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 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 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 Wyoming 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 of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ 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.

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 3. The applicant will provide immediate oral or written notice to the DEQ/WQD Southeast District Office at 122 West 25th Street, Herschler Building - 4W, Cheyenne, Wyoming 82002, (307) 777-7781, or FAX (307) 777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

2 of 3. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Southeast District office a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.

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 is required. All modifications or deviations from the authorized plans must be highlighted.

3 of 3. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

John F. Wagner
Administrator
Water Quality Division

John V. Corra
Director
Department of Environmental Quality

7-6-07
Date of Issuance

RLE/rm/7-0553
7/3/7
cc: Mark Barron, Mayor Town of Jackson
John Passehl, WQD, GPC, UIC Coordinator
Mark Baron, WQD, SW District Supervising Engineer

STATEMENT OF BASIS

1. Permit Number: **07-402**

2. Application reviewed for compliance with the following regulations :

   Chapter(s) 3, and 11 of the Wyoming Water Quality Rules and Regulations

3. Does the permit comply with all applicable regulations identified above?

   COMPLY: YES

4. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3?

   Section 17 Required: NO

5. Documentation of Statement of Basis: The archive file for this permit includes 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 Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Ronald L. Ewald, P.E., rewald@state.wy.us, Consulting Engineer, and completed on July 2, 2007. 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."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-403

Big Horn County Airport Business Park 0.65 MG Storage Tank & Supply Line

This permit hereby authorizes the applicant:

Keith Grant
Commission Chairman
P.O. Box 31
Basin, WY 82410

to construct a 650,000-gallon, welded steel storage tank, an altitude valve vault, a 30-inch ductile iron fire suppression line and a 12-inch PVC service line, according to the procedures and conditions of the application number 07-403. The primary purpose of the new storage tank is to provide fire suppression volume to a new airplane hanger. The storage tank may also be used to drinking water storage for both the airport facilities and the Town of Greybull. The facility is located at the South Big Horn County Airport within Section 6, Township 52 North and Range 93 West in the county of Big Horn, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by August 31, 2009.

The issuance of this permit confirms that the Wyoming 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 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 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 Wyoming 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 of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ 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.

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, or 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 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Dr., Lander, WY 82520, 307-332-3144,FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.

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 is required. All modifications or deviations from the authorized plans must be highlighted.

3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

John F. Wagner
Administrator
Water Quality Division

John V. Corra
Director
Department of Environmental Quality

8/22/07
Date of Issuance

JSB/rm/7-0730

STATEMENT OF BASIS

1. Permit Number: 07-403

2. Application reviewed for compliance with the following regulations:

   Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.

3. Does the permit comply with all applicable regulations identified above? Yes

4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.

   No.

5. Documentation of Statement of Basis: The archive file for this permit includes 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 Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James Brough, jbroug@state.wy.us, Northwest District Engineer and completed on August 21, 2007. 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."

xc: Ken Fink, Big Horn County, P.O. Box 29, Basin, WY 82410
Douglas Whitney, Kadrmas, Lee & Jackson, Inc., 2611 Gabel Road, Billings, MT 59108
Randy Rumpler, Town of Greybull, P.O. Box 271, Greybull, WY 82426

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Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 23, 2007

Brad Vernon
P.O. Box 12910
San Luis Obispo, CA 93406

RE: Snake River Junction Phases 2 and 3/Alpine Junction - Water and Sewer Extensions - Permit Number 07- 404R, S 1/2, Section 20 & N 1/2 Section 29, T37N, R118W, Lincoln County

Dear Mr. Vernon

The above application for coverage under General Permits to Construct water and sewer main extensions consisting of 1700 Linear Feet (LF) of 8-inch PVC water main and 1500 LF of 8-inch sewer main to serve 12 commercial lots in accordance with Chapter 3, Section 7, Chapter 12, Section 14 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Mark Baron

Mark Baron P.E.
Southwest District Engineer
Water Quality Division

Lander Field Office • 510 Meadowview Drive • Lander, WY 82520 • http://deq.state.wy.us

ABANDONED MINES	AIR QUALITY	LAND QUALITY	SOLID & HAZARDOUS WASTE	WATER QUALITY
(307) 332-5085	(307) 332-6755	(307) 332-3047	(307) 332-6924	(307) 332-3144
FAX 332-7726	FAX 332-7726	FAX 332-7726	FAX 332-7726	FAX 332-3183

xc: IPS, Cheyenne
Brian Lenz, P.E., Jorgensen Associates, P.C., P.O. Box 9550, Jackson, WY 83002

encl: General Permit for a Public Water Supply Distribution System,
General Permit for a Sewage Collection System

The State
of Wyoming

Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

152 N. Durbin Street • Suite 100 • Casper, Wyoming 82601

NOTIFICATION OF COVERAGE

July 23, 2007

Rob Poeppel
5375 Meadowlark Drive
Rapid City, SD 57702

RE: Cass Kinghorn Residential Septic System, Lot 1, Block 2, Sundance View Estates, Crook County
Permit # 07-405

Dear Mr. Poeppel:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

Additionally, the following project specific conditions also apply:

A. Transfer of Ownership – A *Transfer of Ownership* form must be completed and submitted to this office within 30 days after sale of the property.

B. Number of Bedrooms – This permit is authorized for up to 3 bedrooms. Additional bedrooms may require an increase in the septic tank and/or leachfield. Any modification of the existing septic system will require the submittal of new application for *Permit to Construct.*

C. Notification – WDEQ **must be notified at least 3 business days** prior to the installation of the septic system.

D. Inspection – Components of the septic system **must** remain visible until inspected and approved by WDEQ personnel.

SOLID & HAZARDOUS WASTE DIVISION
(307) 473-3450
Fax: (307) 473-3458

AIR QUALITY DIVISION
(307) 473-3455
Fax: (307) 473-3458

WATER QUALITY DIVISION
(307) 473-3465
Fax: (307) 473-3458

Non-compliance with the above project specific conditions will be considered a violation of the General Permit to Construct, Install, Modify, or Operate and Small Wastewater Facility and may result in a notice of violation and/or fines.

If you have any questions please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3473. Thank you.

Sincerely,

Kim J. Medina
Senior Environmental Analyst
WDEQ/WQD

Enclosures: General Permit
Certificate of Completion

cc: IPS, Cheyenne
WDEQ File

The State
of Wyoming

Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

152 N. Durbin Street • Suite 100 • Casper, Wyoming 82601

NOTIFICATION OF COVERAGE

July 20, 2007

Rob Poeppel
5375 Meadowlark Drive
Rapid City, SD 57702

RE: Spec Home Residential Septic System, Lot 2, Block 2, Sundance View Estates, Crook County
Permit # 07-406

Dear Mr. Poeppel:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

Additionally, the following project specific conditions also apply:

A. Transfer of Ownership – A *Transfer of Ownership* form must be completed and submitted to this office within 30 days after sale of the property.

B. Number of Bedrooms – This permit is authorized for up to 2 bedrooms. Additional bedrooms may require an increase in the septic tank and/or leachfield. Any modification of the existing septic system will require the submittal of new application for *Permit to Construct.*

C. Notification – WDEQ **must be notified at least 3 business days** prior to the installation of the septic system.

D. Inspection – Components of the septic system **must** remain visible until inspected and approved by WDEQ personnel.

SOLID & HAZARDOUS WASTE DIVISION
(307) 473-3450
Fax: (307) 473-3458

AIR QUALITY DIVISION
(307) 473-3455
Fax: (307) 473-3458

WATER QUALITY DIVISION
(307) 473-3465
Fax: (307) 473-3458

Non-compliance with the above project specific conditions will be considered a violation of the General Permit to Construct, Install, Modify, or Operate and Small Wastewater Facility and may result in a notice of violation and/or fines.

If you have any questions please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3473. Thank you.

Sincerely,

Kim J. Medina
Senior Environmental Analyst
WDEQ/WQD

Enclosures: General Permit
Certificate of Completion

cc: IPS, Cheyenne
WDEQ File
Allan Schreier, Schreier Engineering, 1403 5th Avenue, Suite 6, Belle Fourche, SD 57717

The State
of Wyoming

Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

152 N. Durbin Street • Suite 100 • Casper, Wyoming 82601

NOTIFICATION OF COVERAGE

July 13, 2007

Michael Smith
222 South Gillette Avenue
Suite 610
Gillette, Wyoming 82716

RE: Smith Residential Septic System, Crook
Permit # 07-407

Dear Mr. Smith:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

If you have any questions please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3473. Thank you.

Sincerely,

William P. Havener Jr., PE

William P. Havener Jr., PE
Consulting Engineer
WDEQ/WQD

Enclosures: General Permit
Certificate of Completion

cc: IPS, Cheyenne
WDEQ File
Tim Lyons, Crook County, P.O. Box 848, Sundance, WY 82729

The State
of Wyoming

Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

152 N. Durbin Street • Suite 100 • Casper, Wyoming 82601

NOTIFICATION OF COVERAGE

July 13, 2007

Vaughn Anderson
150 Bertha Road
Moorcroft, WY 82721

RE: Anderson Residential Small Wastewater System, Crook County
Permit # 07-408

Dear Mr. Anderson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

Additionally, the following project specific conditions also apply:

A. **Cleanout** – A cleanout must be installed in the house sewer line at the 90 degree bend between the proposed residential dwelling and the septic tank.

If you have any questions please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3452. Thank you.

Sincerely,

William P. Havener Jr., PE

William P. Havener Jr., PE
Consulting Engineer
WDEQ/WQD

Enclosures: General Permit
Certificate of Completion

cc: IPS, Cheyenne
WDEQ File
Tim Lyons, Crook County, P.O. Box 848, Sundance, WY 82729

SOLID & HAZARDOUS WASTE DIVISION
(307) 473-3450
Fax: (307) 473-3458

AIR QUALITY DIVISION
(307) 473-3455
Fax: (307) 473-3458

WATER QUALITY DIVISION
(307) 473-3465
Fax: (307) 473-3458

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 21, 2007

Steve Erickson
P.O. Box 11627
Jackson, WY 83002

RE: Erickson Window & Door Company Waterline, Permit Number: 07-409, Section 17, T40N, R116W, Teton County

Dear Mr. Erickson:

The above application for coverage under General Permit to install 4-inch water line to serve a commercial connection within the Valley View Business Park has been reviewed in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

If you have any questions, please contact James Brough at 307-332-3144.

Sincerely,

James Brough

James Brough, P.E.
Environmental Engineer
Water Quality Division

xc: Matt Ostdiek, P.E., Rendezvous Engineering, P.O. Box 4858, Jackson, WY 83001
IPS, Cheyenne

encl: General Permit For a Public Water Supply Distribution System

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 10, 2007

Aaron Stevens
A&T Welding
P.O. Box 1601
Pinedale, WY 82941

RE: Sublette County - Sand Draw Phase II Lot 67- A&T Welding - Small Waste Water System - Permit Number 07-410, NE 1/4 Section 5, T30N, R107W, Sublette County

Dear Mr. Stevens:

The above application for coverage under General Permit to Construct for two small enhanced wastewater treatment systems consisting of a systems for the office and a system for the shop in accordance with Chapter 3, Section 7 and Chapter 11, Part D and Section 5, Chapter 23,Section 7(d)(viii)of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

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

1 of 5 This permit is for an enhanced (MicroFast 0.5 with and leach field) small wastewater treatment system. The permittee is required to obtain a maintenance contract and submit annual documentation that maintenance is being provided in accordance with the manufacturer requirements and recommendations and the permit conditions. Authority for this requirement is found in Sections 11 (a) and (c), Chapter 3 of the Wyoming Water Quality Rules and Regulations. Annual maintenance documentation must be submitted before December 31 of each year, starting December 31, 2008 to: Southwest District Engineer, Wyoming Department of Environmental Quality, 510 Meadowview Drive, Lander, WY 82520. Failure to submit annual maintenance documentation is a violation of the compliance requirements for this permit issued under Wyoming Statue 35-11-301.

2 of 5 The permittee shall ensure that the system is maintained and regularly serviced, as recommended by the manufacturer, for the life of the system. An inspection of the system, as recommended by the manufacturer in the owner's manual, shall be performed every six months by a qualified or certified individual to ensure the system is operating correctly, and to determine when maintenance is required.

Lander Field Office • 510 Meadowview Drive • Lander, WY 82520 • http://deq.state.wy.us

ABANDONED MINES (307) 332-5085 FAX 332-7726
AIR QUALITY (307) 332-6755 FAX 332-7726
LAND QUALITY (307) 332-3047 FAX 332-7726
SOLID & HAZARDOUS WASTE (307) 332-6924 FAX 332-7726
WATER QUALITY (307) 332-3144 FAX 332-3183

3 of 5 In the event that authority for permitting enhanced small wastewater treatment systems is delegated to Sublette County by the Department of Environmental Quality, the permittee shall be subject to all county requirements and resolutions that may be in effect, or subsequently enacted, affecting the inspection, operation, maintenance, monitoring, or replacement of this system.

4 of 5 This small enhanced wastewater treatment system must continually achieving the following minimum treatment standards as required by Chapter 23, Section 7(d)(viii)(C) of the Wyoming Water Quality Rules and Regulations at a depth of 4.0 feet above the seasonally high groundwater:

- Fecal Coliform: < 800 colonies/100mL (maximum 30 day geometric mean)

- Total Kjeldahl Nitrogen: < 25mg/L (maximum 30 day average)

5 of 5 The bottom of the leach field must be at least 6.0 feet above the seasonally high ground water.

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Mark Baron

Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

xc: IPS, Cheyenne
Keith Raney, Sublette County Environmental Health, P.O. Box 722, Pinedale, WY 82941
Brian Gray, P.E., WLC Engineering, P.O. 1519, Pinedale, WY 82941

encl: General Permit for a Small Waste Water System

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. **07-411** REFERENCE PERMIT NO. 06-768, 07-556

Fox Ridge Water Treatment System

This permit hereby authorizes the applicant:

Windy Ridge Development, LLC
P.O. Box 2334
Gillette, WY 82717

to construct, install or modify the Fox Ridge Water Treatment System, according to the procedures and conditions of the application number **07-411**. The facility is located in portions of the NW ¼ and the N ½ of the SW ¼ of Section 23, Township 49 North, Range 73 West of the 6th Prime Meridian, Campbell County, approximately 8 miles southwest of Gillette, Wyoming, along Wyoming State Highway 50. All construction, installation, or modification allowed by this permit shall be completed within one year of issuance.

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 meets applicable operational requirements. Compliance with applicable 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.

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 shall 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 provide immediate oral or written notice to the Northeast District, Water Qu Division, 152 North Durbin, Suite 100, Casper, WY, 82601, Phone 307-473-3465, FAX 307-4 3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

2 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.

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 is required. All modifications or deviations from the authorized plans must be highlighted.

3 of 4 Within thirty days of completion of construction of the authorized facility, the Engineer of Record will submit two (2) complete copies of the Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100,Casper,WY 82601.

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

AUTHORIZED BY:

John F. Wagner
Administrator
Water Quality Division

John V. Corra
Director
Department of Environmental Quality

1-18-06
Date of Issuance

KLF/rm/8-0012
cc: Steve Bruce, P.E., Bruce Engineering, Inc., P.O. Box 194, Gillette, WY 82717
Phillip Giffin, Campbell County Department of Public Works, 500 S. Gillette Ave., Suite 1400, Gillette, WY 82716

STATEMENT OF BASIS

1. Permit Number: **07-411**

2. Application reviewed for compliance with the following applicable regulations :

   Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations

3. Does the permit comply with all applicable regulations identified above?

   YES

4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.

   N/A

5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.

6. Documentation of Statement of Basis: The archive file for this permit includes 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 Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley, P.E., and completed on January 10, 2008. 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."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-412R

Mountain Estates Subdivision - Test Well
No Public Water System Number Assigned

This permit hereby authorizes the applicant:

Derk Izatt
15 Cedar Creek Road
Freedom, WY 83120

to construct a public water supply test well only for the purposed of determining water quality and quantity as required by the Chapter 23 Wyoming Water Quality Rules and Regulations according to the procedures and conditions of the application number 07-412R. The facility is located at SW 1/4 Section 30,T35N, R118W in the county of Lincoln, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by August 14, 2009.

The issuance of this permit confirms that the Wyoming 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 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 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 Wyoming 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 of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ 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.

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 5 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer,250 Lincoln Street, Lander, WY 82520, 307-332-3144,FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

2 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.

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 is required. All modifications or deviations from the authorized plans must be highlighted.

3 of 5 Water quality data such as that for bacteriological contaminants, inorganic contaminants (IOC), volatile organic contaminants (VOC), synthetic organic contaminants (SOC) and radionuclide contaminants must be submitted before any new water well is put into service. The well water quality must be in compliance with the United States Environmental Protection Agency (USEPA) National Primary Drinking Water Standards.

4 of 5 Water well yield and drawdown tests must be submitted upon completion of the tests.

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

AUTHORIZED BY:

John F. Wagner
Administrator
Water Quality Division

John V. Corra
Director
Department of Environmental Quality

8-15-07
Date of Issuance

MDB/rm/7-0704
8/14/7

STATEMENT OF BASIS

1. Permit Number: 07-412R

2. Application reviewed for compliance with the following regulations:

   Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.

3. Does the permit comply with all applicable regulations identified above?

   Yes.

4. If a Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.

   Not Required.

5. Documentation of Statement of Basis: The archive file for this permit includes 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 Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, P.E., mbaron@state.wy.us, Southwest District Engineer and completed on August 14, 2007. 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."

cc: Ryan J. Erickson, P.E., Sunrise Engineering, Inc., P.O. Box 609, Afton, WY 83110

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

September 6, 2007

Jim Sanderson, Town Administrator
Town of Afton
P.O. Box 310
Afton, WY 83110

RE: Old Fairgrounds Addition to the Town of Afton- Water and Sewer Main Extension, Afton- Permit Number 07-413, NW1/4 Section 31, T32N, R119W, Lincoln County

Dear Mr. Sanderson:

The above application for coverage under General Permits to Construct water and sewer main modifications consisting of 850 feet of 8-inch PVC water main and 1050 feet of 8-inch PVC sewer main extension within the Afton city limits to serve 4 residential and 9 commercial lot buildings in accordance with Chapter 3 Section 7, Chapter 12 Section 14 and Chapter 11 Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Perry Roberson
Consulting Engineer
Water Quality Division

Mark Baron P.E.
Southwest District Engineer
Water Quality Division

xc: IPS, Cheyenne
Robert V Hood, Sunrise Engineering, Inc., P.O. Box 609, Afton, WY 83110

encl: General Permit for a Sewage Collection System,
General Permit for a Public Water Supply Distribution System

The State
of Wyoming

Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

152 N. Durbin Street • Suite 100 • Casper, Wyoming 82601

NOTIFICATION OF COVERAGE

September 26, 2007

Keith A. Neustel, P.E.
Grizzly Engineering
P.O. Box 1004
Buffalo, WY 82834

RE: Sunset Business Park Addition, City of Buffalo, Wyoming
WDEQ Application #07-414

Dear Sirs:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Public Water Supply Distribution Systems in accordance with Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations and for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V. Section O. of the general permits.

If you have any questions, please contact me at 307-473-3465.

Sincerely,

Karen L. Farley

Karen L. Farley, P.E.
Northeast District Supervisor
Water Quality Division

Enclosures: General Permits – Chapter 11, Chapter 12
Certificate of Completion

cc: Buffalo Sunset, LLC, Elizabeth J. Kirven, P.O. Box 640, Buffalo, WY 82834
Les Hook, City of Buffalo Public Works Department, 46 North Main, Buffalo, WY 82834
WDEQ File
IPS (Cheyenne)

STATE OF WYOMING
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND INJECTION CONTROL PERMIT ISSUED UNDER
WYOMING WATER QUALITY RULES AND REGULATIONS
CHAPTER 16

CLASS V INJECTION WELLS (AREA PERMIT)

(X) New
( ) Modified

Permit Number 07-415
UIC Facility Number WYS-033-00271

In compliance with the Wyoming Environmental Quality act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a)(iv), Laws 1973, Ch. 250, Section 1) and Wyoming Water Quality Rules and Regulations, Chapter 16.

Applicant: Fidelity Exploration and Production Co.
1700 Lincoln Street
Suite 2800
Denver, CO 80203
(303) 893-3133 Ext. 5757

Fidelity Exploration and Production Co., hereafter referred to as the Permittee, is authorized to operate WYARNO INJECTION STATE 34D1-0962, 34M/C-3272, BATTERY, 41-0762, 32-0762, 43-0762, 24-0862, 32-0862, 12-0862, 31-0862, 13-0962, 12-0962, 11-0962, 31-0962, 21-0562, 32-0562, 23-0562, 14-0562, 21-0462, 12-0462, 43-0562, 42-0462, 44-0462, 21-3372, 12-3372, 34-3272, 32-3372 and 34-3372 within Sections 4, 5, 7, 8, 9; Township 57 North; Range 82 West, and within Sections 28, 32, 33; Township 57 North; Range 82 West, of the 6th Principal Meridian, Sheridan County; according to the procedures and conditions of application 07-415 and requirements and other conditions of this permit.

This permit shall become effective on date of issuance.

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

3/25/08
Date

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

3/25/08
Date

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A. Discharge Zones

Twenty eight (28) injection wells are authorized to inject into the Wasatch Formation and Fort Union Formation. The injection zones thicknesses are identified in **Table 1** as follows. Each well name is proceeded by *WYARNO INJECTION STATE.

Table 1 (Perforation Zones and Thicknesses)

	Thickness in Feet	Thickness in Feet	Total Avail. Thickness
Well Name	Wasatch Formation	Fort Union Formation	Combined Formations
*34D1-0962	242	196	438
34M/C-3272	109	104	213
BATTERY	174	150	324
41-0762	244	196	440
32-0762	260	190	450
43-0762	208	189	397
24-0862	211	204	415
32-0862	211	196	407
12-0862	224	196	420
31-0862	208	191	399
13-0962	211	199	410
12-0962	202	186	388
11-0962	199	180	379
31-0962	194	173	367
21-0562	185	177	362
32-0562	180	172	352
23-0562	199	182	381
14-0562	228	194	422
21-0462	150	155	305
12-0462	169	166	335
43-0562	188	177	365
42-0462	160	150	310
44-0462	184	161	345
21-3372	117	117	234
12-3372	158	113	271
34-3272	196	155	351
32-3372	126	126	252
34-3372	166	150	316

The length of time of operation of each well is ten years.

Table 1a (Porosity, Thickness, Flow Rate, Area of Review in feet)

Formation	Porosity %	Thickness	Flow Rate (gpm)	AOR 1 year	AOR 5 years	AOR 10 years
Fort Union	20	80	60	290	648	916
Wasatch	20	150	50	193	432	611

B. Well Locations

The injection wells authorized by this permit are identified in **Table 2** as follows:

Table 2 (Injection Well Public Land Survey Locations)

Well Name	Section Q/Q/Q	Sec	TWN	RNG
WYARNO INJECTION STATE 34D1-0962	NESWSE	9	56	82
WYARNO INJECTION STATE 34M/C-3272	NWSWNE	32	57	82
WYARNO INJECTION STATE BATTERY	SWSWSW	33	57	82
WYARNO INJECTION STATE 41-0762	NENENE	7	56	82
WYARNO INJECTION STATE 32-0762	NWSWNE	7	56	82
WYARNO INJECTION STATE 43-0762	SWNESE	7	56	82
WYARNO INJECTION STATE 24-0862	SESESW	8	56	82
WYARNO INJECTION STATE 32-0862	SESWNE	8	56	82
WYARNO INJECTION STATE 12-0862	SESWSW	8	56	82
WYARNO INJECTION STATE 31-0862	NWNWNE	8	56	82
WYARNO INJECTION STATE 13-0962	SENWSW	9	56	82
WYARNO INJECTION STATE 12-0962	NESWNW	9	56	82
WYARNO INJECTION STATE 11-0962	NENWNW	9	56	82
WYARNO INJECTION STATE 31-0962	SENWNE	9	56	82
WYARNO INJECTION STATE 21-0562	NENENW	5	56	82
WYARNO INJECTION STATE 32-0562	NESWNE	5	56	82
WYARNO INJECTION STATE 23-0562	NENESW	5	56	82
WYARNO INJECTION STATE 14-0562	NESWSW	5	56	82
WYARNO INJECTION STATE 21-0462	SENENW	4	56	82
WYARNO INJECTION STATE 12-0462	NESWNW	4	56	82

Well Name	Section(¼,¼,¼)	Sec	TWN	RNG
WYARNO INJECTION STATE 43-0562	SENESE	5	56	82
WYARNO INJECTION STATE 42-0462	NWSENE	4	56	82
WYARNO INJECTION STATE 44-0462	NWSESE	4	56	82
WYARNO INJECTION STATE 21-3372	NWNENW	33	57	82
WYARNO INJECTION STATE 12-3372	SWSWNW	33	57	82
WYARNO INJECTION STATE 34-3272	SESWNE	32	57	82
WYARNO INJECTION STATE 32-3372	NWSWNE	33	57	82
WYARNO INJECTION STATE 34-3372	NWSWNE	33	57	82

C. Groundwater Classification

The groundwater from the producing and receiving formations is classified as Class III according to Wyoming Water Quality Rules and Regulations, Chapter 8. The analysis is as follows: Smith coal is 1,750 mg/L Total Dissolved Solids, 80.6 Sodium Adsorption Ratio, Carney coal is 1,680 mg/L Total Dissolved Solids, 76.6 Sodium Adsorption Ratio, Monarch coal is 1,870 mg/L Total Dissolved Solids, 97.6 Sodium Adsorption Ratio, Wasatch Formation is 780 mg/L Total Dissolved Solids and 29.6 Sodium Adsorption Ratio and Fort Union Formation is 502 mg/L Total Dissolved Solids and Sodium Adsorption Ratio 94.1.

D. Authorized Operations

The Permittee is authorized to inject a maximum of 5,142 barrels per day in each well, or 143,976 barrels per day as a combined twenty eight (28) well system of produced water resulting from coal bed methane extraction. For operation and maintenance considerations such as conducting mechanical integrity tests or well workovers, the Permittee may inject more than 5,142 barrels per day per well on a temporary basis with prior written approval from the Department. The Permittee is authorized to inject at a pressure of no more than 0.7 psi/ft. using the depth of the topmost perforation.

1. The Permittee shall submit a one-time baseline ground water sample for the Wasatch Formation and Fort Union Formation for each well listed in Table 1 prior to injection of any fluids. Parameters to be analyzed are listed on the reporting form in GEM. The Permittee is prohibited from injection into this well until authorized by the Department.

2. The Permittee shall submit a one-time baseline ground water sample for the Smith, Monarch and Carney coals from each production well prior to injection of any fluids. Parameters to be analyzed are listed on the reporting form in GEM. The Permittee is prohibited from injection into the injection wells until authorized by the Department.

3. Authorization for injection will be contingent upon the groundwater classifications for the Wasatch Formation, Fort Union Formation, and the Smith, Monarch and Carney coals (i.e. the injection and production wells) as determined from the baseline groundwater samples.

E. Hazardous Waste

This permit does not allow for the injection of any hazardous waste as defined in 40 CFR 261.3 and in Wyoming Solid Waste Management Rules and Regulations, Chapter 2. Injection of any substance defined as a hazardous waste, whether hazardous by listing or by characteristic is a violation of this permit.

F. Proper Operation and Maintenance

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. The Permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the Permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes mechanical integrity of the wells, effective performance, adequate funding, Permittee staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit.

The injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapter 16, Section 10.

The Permittee is required to operate in accordance with statements, representations and procedures presented in the complete permit application and supporting documents as accepted and approved by the Administrator. Any modifications which will result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued. Injection into a well may not begin until construction is complete and the permit is approved.

G. Entry and Inspection

The Permittee shall allow the Administrator (upon presentation of credentials and during normal working hours) to enter the premises where a regulated facility is located, or where records are kept under the conditions of this permit and inspect and photograph the discharge and related facilities, review and copy reports and records required by this permit, collect fluid samples for analysis, measure and record water levels, and perform any other function authorized by law or regulation.

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

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

2. The Permittee shall retain records of all monitoring information including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.

3. Records of monitoring information shall include:

   a. The date, exact place, and time of sampling or measurements;
   b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
   c. The date(s) analyses were performed;
   d. The time(s) analyses were initiated;
   e. The initials or name(s) of the individual(s) who performed the analyses;
   f. References and written procedures for the analytical techniques or methods used;
   g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.

4. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

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

6. The Permittee shall report any noncompliance which may endanger health or the environment within twenty-four (24) hours from the time the Permittee becomes aware of the circumstances. The report should include:

   a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
   b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;

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

7. The Permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.

8. 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 thirty (30) days following each schedule date.

9. The Permittee shall notify the Department sixty (60) days prior to the spudding of each new injection well so that a joint field inspection may be coordinated between both parties during well construction.

10. The Permittee shall notify the Department thirty (30) days prior to conducting the two-part mechanical integrity tests for each well.

11. Additional information may be required by the Department as the production and injection wells are drilled to insure there is lateral continuity of the receiving formations and that they are sealed above and below.

I. Requirements for Monitoring the Discharge

General Requirements:

1. The Permittee shall meter all water injected into each well.

2. The Permittee shall monitor the quality of the injected fluid on the schedule identified below. Grab samples shall be taken from the flow line prior to injection where any necessary pretreatment has taken place. The following parameters shall be analyzed by the listed methods and reported quarterly:

Table 4 (Injected Fluid Sampling Schedule)

Sampling Schedule	Parameter Analyzed	Analytical Method	Permit Limit or UCL*
Quarterly	Total Dissolved Solids	EPA Method 160.1	5,000 mg/L
	Sodium Adsorption Ratio	Calculated from other analysis	No limit
	Iron Fixing Bacteria	Standard Method	0
	Sulfate Reducing Bacteria	Standard Method	0
	Coliform Bacteria	Standard Method	0
	pH	EPA Method 150.1	> 6.5 and < 8.5
	Combined Volume	Flow meter	5,142 barrels/day/well
	Injection Pressure (max)	Gauge	0.7 psi/ft using the depth of the top most perforation

*All chemical concentrations in this permit are expressed in mg/L unless otherwise noted. pH is always expressed in standard units.

The above upper control limit (UCL) can not be exceeded for any parameter. Exceedance of this value is a violation of this permit and shall require notification under Section K of this permit. Failure to perform and report analyses in accordance with the prescribed schedule and method is also a violation of this permit.

J. Test Procedures

All samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All samples taken shall include a trip blank of distilled water for each sampling date and a duplicate sample at least once per year. All required analyses shall be conducted in compliance with Wyoming Water Quality Rules and Regulations, Chapter 8, Section 7.

K. Records and Reports

The Permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The Permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Reports of compliance or noncompliance with, and any progress reports on, interim and final requirements contained in any compliance schedule shall be submitted no later than thirty (30) days following each schedule date. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the Permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the

period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The Permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the wells covered by this permit.

L. Permit Actions

This permit is issued for a period of ten (10) years. If the Permittee wishes to continue injection after the expiration date of this permit, he shall apply to the Administrator and obtain a new permit prior to the expiration date of this permit. An expired permit continues in effect until a new permit is issued or the permit is terminated by the Administrator. It shall not be a defense for the Permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. The filing of a request by the Permittee, or at the instigation of the Administrator, for permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

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

1. Violation of this permit;

2. Obtaining a permit by misrepresentation of facts in the application; or

3. Failure of the tubing, casing, cement, or confining layers.

This permit will be reviewed at least once every five (5) years, and may be reviewed more frequently. A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit was issued. A permit may be modified in whole or part in order to apply more or less stringent standards; or prohibitions for toxic or other substances present in the Permittees' discharge as may be ordered by the Environmental Quality Council.

M. Mechanical Integrity

Mechanical integrity shall be maintained continuously. The Permittee shall pressure test the casing before injection and at least once every five (5) years. The casing shall be pressure tested up to an indicated surface pressure of 700 psi and held for 15 minutes. A passing test shall show that there is less than 10% pressure loss after 15 minutes at 700 psi.

N. Abandonment or Conversion to Water Wells

General Requirements:

1. The Permittee shall notify the Administrator at least seven (7) days before conversion or abandonment of the facility.

2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this general permit, or describing any deviations from the original plan, shall be submitted as soon as practicable after abandonment. The abandonment shall include reclamation of the well site.

3. In no case shall the abandonment procedure be less stringent than that required at the time of abandonment by the Wyoming Oil and Gas Conservation Commission for the abandonment of producing oil wells.

4. Injection wells covered by this permit shall be permanently abandoned or converted to another use within three (3) years after the date when coal bed methane water was last injected unless those wells are converted to water wells.

5. Wells which are to be converted to another use shall be covered by an approved Wyoming State Engineer's permit for the well showing that it has been converted to a water well. A copy of this permit shall be submitted to the Department as proof that the well has been converted.

O. Duties of the Permittee

The Permittee shall give advance notice to the Administrator as soon as possible of any planned physical alteration or additions, other than authorized operation and maintenance, to the permitted facility and receive authorization prior to implementing the proposed alternation or addition. The Permittee shall furnish the Administrator within a reasonable time any information which the Administrator may request to determine whether cause exists for modifying, revoking, or reissuing, or terminating this permit, or to determine compliance with this permit; and to furnish to the Administrator upon request, copies of records required to be kept by this permit. Any modification which may result in a violation of a permit condition shall be reported to the Administrator, and any modification that will result in a violation of any permit conditions shall be reported to the Administrator through the submission of a new or amended permit application. The Permittee shall report all instances where he becomes aware that he failed to submit any relevant facts in the permit application, or where he submitted incorrect information in a permit application or in any report to the Administrator, and shall promptly submit such facts or information.

P. Signatories Requirement

All reports filed in conjunction with this permit shall contain the following certification:

"I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

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

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

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

For a municipality, state, federal, or other public agency – by either a principal executive officer or ranking elected official;

or

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

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

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

3. The written authorization is submitted to the Administrator.

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

Q. Noncompliance

The Permittee shall comply with all conditions of the permit. Any permit noncompliance constitutes a violation of Wyoming Water Quality Rules and Regulations, Chapter 16 and is grounds for enforcement action, permit termination, revocation, or modification. Noncompliance resulting in a violation shall be reported to the Administrator orally within twenty-four (24) hours, and a written submission shall be provided within five (5) days of the

time the Permittee becomes aware of the violation. The written report shall contain the sections specified in Section K of this permit. Any permit noncompliance constitutes a violation of this permit.

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

R. Permit Transfer

Any transfer of this permit shall be accomplished by the submission of the proper forms for permit transfer to the Administrator. Transfer of this permit must first be approved by the Administrator and the Director. No transfer shall be approved unless the proposed Permittee agrees to bring any and all noncompliance issues into compliance with this permit. The Permittee is alone responsible for the operation of the facility covered by this permit. Sale of the facility and subsequent operation of this facility by another is a violation of this permit unless a transfer of this permit has first been accomplished.

S. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

T. Severability

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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-416

Douglas Water Treatment Plant Improvements - Site Package
PWS# WY5600137

This permit hereby authorizes the applicant:

City of Douglas
420 W. Grant Street
Douglas, Wyoming 82633

to construct, install or modify a upgrade to an existing surface water treatment plant including new treatment processes for presedimentation and slow sand filtration and rehabilitation of the clearwell, influent and effluent pumps, and chlorine injection; according to the procedures and conditions of the application number 07-416. The facility is located in NW1/4 Section 8, Township 32 North, Range 71 West in the county of Converse, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2008.

The issuance of this permit confirms that the Wyoming 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 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 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 Wyoming 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 of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ 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.

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 3 The applicant will provide immediate oral or written notice to the DEQ/WQD Southeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations (WWQRR) of any changes or modifications which are not consistent with the terms and conditions of this permit.

2 of 3 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.

3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

John F. Wagner
Administrator
Water Quality Division

John V. Corra
Director
Department of Environmental Quality

8/17/07
Date of Issuance

KJF/rm/7-0722
JVC 8/16/07

STATEMENT OF BASIS

1. Permit Number: 07-416

2. Application reviewed for compliance with the following applicable regulations:
   a. Chapters 3 and 12.

3. Does the permit comply with all applicable regulations identified above?
   a. The permit approval is based upon a deviation from applicable regulations in accordance with Section 5 of Chapter 12.

4. 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 Section 10(b)(i) calls for three days detention time for presedimentation basins without mechanical sludge collection equipment and Section 10(b)(iv) calls for a minimum bottom slope of 1/4 inch per foot in presedimentation basins without mechanical sludge collection equipment.

   b. Briefly state the basis for the deviation.
   The design engineer provided an explanation supporting their proposed deviations from these regulations based on North Platte River turbidity records, other existing plants, and proposed plant operation and cleaning schedules and methods.

5. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.
   not required

6. Documentation of Statement of Basis.

   The archive 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 3, Wyoming Water Quality Rules and Regulations. This review was performed by Kevin Frank, SRF Program Engineering Consultant, and completed on August 15, 2007. 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."

Dave Freudenthal, Governor

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

John Corra, Director

NOTIFICATION OF COVERAGE

July 27, 2007

ARCHIVES

Tim & Micki Schmidt
645 Clark Street
Thermopolis, WY 82443

RE: Schmidt Small Wastewater Treatment Facility, Permit Number: 07-417, Section 33, T43N, R95W, Hot Springs County

Dear Mr. and Mrs. Schmidt:

This project involves the installation of a septic tank and leachfield system to serve a three bedroom residence. The above application for coverage under General Permit to construct a gravity flow septic tank and leachfield has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations and is hereby approved provided.

Lee Campbell, Hot Springs County Planner, must be contacted at 307-864-2961 to schedule a construction inspection at least 24 hours prior to the beginning of construction. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

If you have any questions, please contact James Brough at 307-332-3144.

Sincerely,

James Brough

James Brough, P.E.
Environmental Engineer
Water Quality Division

xc: IPS, Cheyenne
Curtis Rush, Hot Springs Backhoe Service, 320 Red Lane, Thermopolis, WY 82443
Lee Campbell, Hot Springs County, 415 Arapahoe, Thermopolis, WY 82443 (w/enclosures)

encl: General Permit For a Small Wastewater Facility

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-418

Shoshone Municipal Water Sodium Hypochlorite Generation System
PWS #WY5601198

This permit hereby authorizes the applicant:

Don Richards, Chairman
Shoshone Municipal Water Joint Powers Board

to replace the existing chlorine gas feed system with an on-site generated sodium hypochlorite feed system; according to the procedures and conditions of the application number 07-418. The on-site generated sodium hypochlorite feed system consists of one water softener, one water heater, one brine saturator tank (43 tons), two brine feed pumps, two power transformer/rectifiers, two hypochlorite generators (200 pounds chlorine per day capacity per generator), four hypochlorite tanks (2,550 gallons each), two hydrogen dilution blowers, one system control panel and three hypochlorite metering pumps (0.3 to 4.0 gpm capacity each). The facility is located within Section 3, Township 52 North and Range 102 West in the county of Park, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by September 30, 2008.

The issuance of this permit confirms that the Wyoming 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 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 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 Wyoming 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 of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ 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.

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, or 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 t following permit conditions:

1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.

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 is required. All modifications or deviations from the authorized plans must be highlighted.

3 of 3 The review and approval of this permit is based upon the items identified in the attached "Stateme of Basis".

AUTHORIZED BY:

John F. Wagner
Administrator
Water Quality Division

John V. Corra
Director
Department of Environmental Quality

9/13/07
Date of Issuance
JSB/cs/7-0802
9/13/7

STATEMENT OF BASIS

1. Permit Number: 07-418

2. Application reviewed for compliance with the following regulations:

   Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.

3. Does the permit comply with all applicable regulations identified above?

   No. A variance was requested from the requirement for two tanks since the Shoshone plant has an alternate form of disinfection. The plant has a calcium hypochlorite puck feeder system that can be used when the brine tank is taken out of service for an annual inspection and cleaning. DEQ hereby grants the variance request since the plant will have disinfection redundancy.

4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.

   Yes, Chapter 12 does not specifically address onsite hypochlorite generators. However, this technology has been used successfully at many other locations for several years.

5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.

   Public water systems are exempted from review by Chapter 3, Section 17.

6. Documentation of Statement of Basis: The archive file for this permit includes 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 Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, jbroug@state.wy.us, Northwest District Engineer and completed on September 12, 2007. 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."

Cc: Craig Barsness, Shoshone Municipal Water, P.O. Box 488, Cody, WY 82414
Ed Nowak, Camp Creek Engineering, 410 E. Grand Ave., Suite 205, Laramie, WY 82070

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WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-419

Washakie Rural Water Supply Project - Phase 6
PWS #WY5601523

This permit hereby authorizes the applicant:

Julie Sinn, Acting Manager
Washakie Rural Improvement & Service District
P.O. Box 212
Worland, WY 82401

to install an exterior bypass valve vault at the Banjo Flats Pump Station and modify controls, install a pressure sustaining valve and flow meter at the Worland Airport Connection to WRISD Phase 1, install 2,500 linear feet of 3-inch water line along Lane 15 east of Highway 20, and to replace 6,500 linear feet of low elevation 6-inch pressure class 150 water line with 6-inch pressure class 200 water line; according to the procedures and conditions of the application number 07-419. The facility is located within Townships 46 and 47 North and Ranges 92 and 93 West in the county of Washakie, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by August 31, 2009.

The issuance of this permit confirms that the Wyoming 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 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 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 Wyoming 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 of Wyoming does not waive its sovereign immunity.

The permittee shall allow authorized representatives from DEQ 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.

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, or 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 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144,FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.

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 is required. All modifications or deviations from the authorized plans must be highlighted.

3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

for:

John F. Wagner
Administrator
Water Quality Division

John V. Corra
Director
Department of Environmental Quality

8/28/07
Date of Issuance

JSB/cs/7-0754

STATEMENT OF BASIS

1. Permit Number: 07-419

2. Application reviewed for compliance with the following regulations:

   Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.

3. Does the permit comply with all applicable regulations identified above?

   Yes

4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.

   No

5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.

   Public water systems are exempted from review by Chapter 3, Section 17.

6. Documentation of Statement of Basis: The archive file for this permit includes 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 Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, jbroug@state.wy.us, Northwest District Engineer and completed on August 28, 2007. 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."

Cc: Theresa Gunn, P.E., Engineering Associates, P.O. Box 1900, Cody, WY 82414

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Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 27, 2007

Dave Johnson
35 Elrancho Road
Wheatland, Wyoming 82201

RE: Dave Johnson Small Wastewater Facility, Application No. **07-420**
Location: SE¼, Section 19, T24N, R66W, Platte County

Dear Mr. Johnson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **3 bedroom** house in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific condition also applies:

> Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.

The approval granted under this Notification Of Coverage and the General Permit shall expire on July 27, 2009. Please reference Application Number **07-420** in any future correspondence.

If you have any questions, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald

Ronald L. Ewald, P.E.
Consulting Engineer
Southeast District, Water Quality Division

RLE/rm/7-0606

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Platte County Planner, Marlin Johnson, P.O. Box 728, Wheatland, Wyoming 82201

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

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Dave Johnson Small Wastewater Facility

LOCATION: SE¼, Section 19, T24N, R66W, **Platte County**

ENGINEER: None

APPLICANT: Dave Johnson
35 Elrancho Road
Wheatland, Wyoming 82201
Ph: (307(331-3589

WATER QUALITY DIVISION REFERENCE NUMBER: **07-420**

REVIEWING ENGINEER: Ronald L. Ewald, P.E.
Phone: (307) 777-6183

DATE OF REVIEW: July 11, 2007

Professional Engineer (Civil)
RONALD L. EWALD
6279
Ronald L. Ewald
07-11-2007
Date
WYOMING

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. Percolation Test Results Not Provided - there were no percolation (perc) test results included in the application package. The actual test results must be provided for DEQ to review and analyze before a permit can be issued. A **PERCOLATION TEST PROCEDURE** packet with instructions, an example, and a blank test data sheet is included with this review for your use in completing this

requirement. A "Loading Rate Table" to determine the loading factor from the perc rate is provided at the end of the packet.

2. Seasonally High Groundwater Depth - the application says that this was determined from a water well log in 2005. Was the well drilled in 2005, or was the well log analyzed in 2005. What month and year was the well installed? Can you provide a copy of the well log? Also, the question of who determined this was left unanswered. Please answer this question.

3. Leachfield Site Slope - the application indicates that the ground slope at the location of the leachfield is about 5%. The downhill direction of this slope needs to be shown on the site plan by several small arrows pointed down hill placed on the site plan.

4. Site Plan Inadequacies - the site plan provided is inadequate in several ways. First, Antelope Gap Road runs diagonally from northwest to southeast through the SE¼ of Section 19 (see map included), which is not clear from the site plan provided. Also, North is not indicated on the site plan. Please provide a more accurate site drawing showing the following:

    a. North, and an accurate depiction of the direction of Antelope Gap Rd.,
    b. the direction of the 5% ground surface slope in the area of the proposed leachfield,
    c. the distances to all property lines in all directions, and
    d. more precisely where your construction site is located within the SE¼ of Section 19 (map included for your assistance).

5. Minimum Leachfield Size Calculation Error - when calculating the minimum number of *Infiltrator*™ units needed an error was made. The application indicated that it was intended to use Equalizer36 Model chambers in a trench configuration. The "Equivalent Area Per Unit" for this model in a trench is 42 sq. ft. per unit, not the 33 sq. ft. per unit that was used in the application calculation (see Table included). If the correct equivalent area was used the minimum number of units required would be significantly less.

Note: Additional blank worksheets and detail sheets are included with this review to assist you in responding to these review comments and concerns.

RLE/rm/7-0566

Enclosures: Percolation Test procedure Packet
Blank Worksheets and Detail Sheets
Section 19, T24N, R66W maps
Equivalent Area TABLE for Leachfield Chambers
Copy of original application submission for review and assistance

PERCOLATION TEST PROCEDURE

INSTRUCTIONS

General Information - Complete the general information areas of sections 1., 2., and 3. at the top of the data sheet.

Location of Percolation Test Holes - The percolation(perc) test holes shall be spaced uniformly over the proposed soil absorption (leach field) site. **A minimum of three(3) test holes are required.** More than 3 can be used if desired.

Test Hole Preparation - Test holes that are 4 to 12 inches in diameter shall be dug or bored to the proposed depth of the leach field(typical depths are 30 to 42 inches). The side walls shall be vertical anda natural soil surface (one which is not smeared from digging) shall be exposed by scraping the sides and bottom of the test hole with a sharp pointed instrument. Any loose material shall be removed from the test hole and several inches of coarse sand or gravel placed in the bottom of the test hole in order to prevent scouring and sealing before the water is poured in.

Presoaking - **PRESOAKING IS ABSOLUTELY REQUIRED** in order to get valid percolation test results. The purpose of presoaking is to have the water conditions in the soil reach a stable condition similar to that which exists during continual wastewater application in a leach field. The minimum time of presoaking varies with soil type and soil conditions, but must be sufficiently long so that the water seeps away at a steady rate. The following presoaking instructions are usually sufficient to establish the proper soil moisture conditions.

a. Sandy or loose soils - Fill the test hole to within several inches of the top and allow it to seep away. Fill the hole a 2nd and 3rd time and let the water seep away. If the water continues to all seep away in ten(10) minutes or less, this indicates that the soil is excessively permeable and the site is unsuitable for a standard subsurface disposal system. In this case, the special requirements of Chapter 11, Section 36(d) shall be followed. If water remains after 10 minutes, then further presoaking is necessary before taking any measurements. Refer to the next section for further presoaking instructions.

b. Other suitable soils - If the soil is suitable for a standard subsurface leach field, then the test holes should be presoaked for at least 4 hours. Maintain at least 12 inches of water in the test holes for at least 4 hours, then allow the soil to swell for 12 hours (overnight is good) before starting the actual perc test measurements.

Perc Rate Measurements - Start the test by filling each test hole with approximately 12 to 18 inches of water. Let the soil rehydrate for about 15 minutes and then refill to 12 to 18 inches deep. Next, decide on a time interval for your test. Time intervals of 10 or 15 minutes are typical. Once decided, **the time interval must remain constant** throughout the test so that it can be determined when the water level drop rate has stabilized. Measure the initial water level (from a fixed reference point such as a flat board across the top of the hole) in each hole and record on the "Start" line in the test data table. To continue, record the actual water level in each hole at the end of each successive time interval. After each water level measurement, calculate the water level drop from the previous measurement and record in the test data table. Continue the test until the water level drop rate (right half of each column) has stabilized; ie. - 3 consecutive equal drop rates within 1/8 inch of each other. Please note that some test holes may take longer than others to stabilize. The test should be continued at each test hole until each drop rate stabilizes. Also please note, a minimum of 6 inches of water should be maintained in the test hole. If the level drops below 6 inches, some additional water should be added between time intervals. Before you use the test data sheet, **make several extra blank copies before you start** in case the tests take more than 10 intervals to stabilize or if you intend to use more than 3 test holes.

Perc Rate Calculation - After the water level drop rates have stabilized in all of the test holes, transfer the last water level drop measurement to the final drop row in the data table. To calculate the perc rate for each test hole, divide the time interval by the final drop. This is the perc rate in minutes per inch(mpi). Depending on how many test holes were used, determine the design percolation rate using either 3a or 3b at the bottom of the percolation test results data sheet.

An Example Test Data Sheet is provided on the back of these instructions to demonstrate how to record the data.

PERCOLATION TEST RESULTS

1. Performed by: Mike Plumber Test Date(s): 6-23 & 6-24, 99

   Credentials or Status of Tester: Contractor / installer

   (Owner, contractor, installer, engineer, geologist, sanitarian, soil scientist, or other)

2. The **time interval (ti)** between water level measurements was: 10 minutes.

3. **TEST DATA:** The test holes were **PRESOAKED** for: ____ hours, or X overnight

Test Hole # is:		1	2	3
Hole depth (inches) =		34"	38"	37"
Interval Number	Elapsed Time	Water Level / Drop	Water Level / Drop	Water Level / Drop
Start =	0 min	17"		
		1 1/4		
1	10	18 1/4		
		1		
2	20	19 1/4		
		3/4		
3	30	20		
		5/8		
4	40	20 5/8		
		Refill		
5	50	15		
		1/2		
6	60	15 1/2		
		3/8		
7	70	15 7/8		
		1/2		
8	80	16 3/8		
Final Drop **(NOT Total)** =		1/2"	____	____

Water level drop between intervals

The actual water level below the top of the test hole

Refill hole if needed and Re-measure actual water level

Continue test until 3 consecutive "drops" are the same to within 1/8 inch total variation

Perc rate(mpi) is:

[ti / Final Drop] = 10 / ½ = 20.0 mpi ____ ____

a. If **6 or more holes** were tested, the **average perc rate** was: NA mpi, or

b. If **3 to 5 holes** were tested, the **slowest perc rate** (largest number) was: 20.0 mpi

PERCOLATION TEST RESULTS

1. Performed by: _____ Test Date(s): _____

   Credentials or Status of Tester: _____

   (Owner, contractor, installer, engineer, geologist, sanitarian, soil scientist, or other)

2. The **time interval (ti)** between water level measurements was: _____ minutes.

3. **TEST DATA:** The test holes were **PRESOAKED** for: _____ hours, or ___ overnight.

Test Hole # is:		____		____		____	
Hole depth (inches) =							
Interval Number	Elapsed Time	Water Level / Drop		Water Level / Drop		Water Level / Drop	
Start =	0 min	____		____		____	
1	____	____	____	____	____	____	____
2	____	____	____	____	____	____	____
3	____	____	____	____	____	____	____
4	____	____	____	____	____	____	____
5	____	____	____	____	____	____	____
6	____	____	____	____	____	____	____
7	____	____	____	____	____	____	____
8	____	____	____	____	____	____	____
9	____	____	____	____	____	____	____
10	____	____	____	____	____	____	____
Final Drop **(NOT Total)** =			____		____		____
Perc rate(mpi) is: [**ti** / Final Drop] =			_____		_____		_____

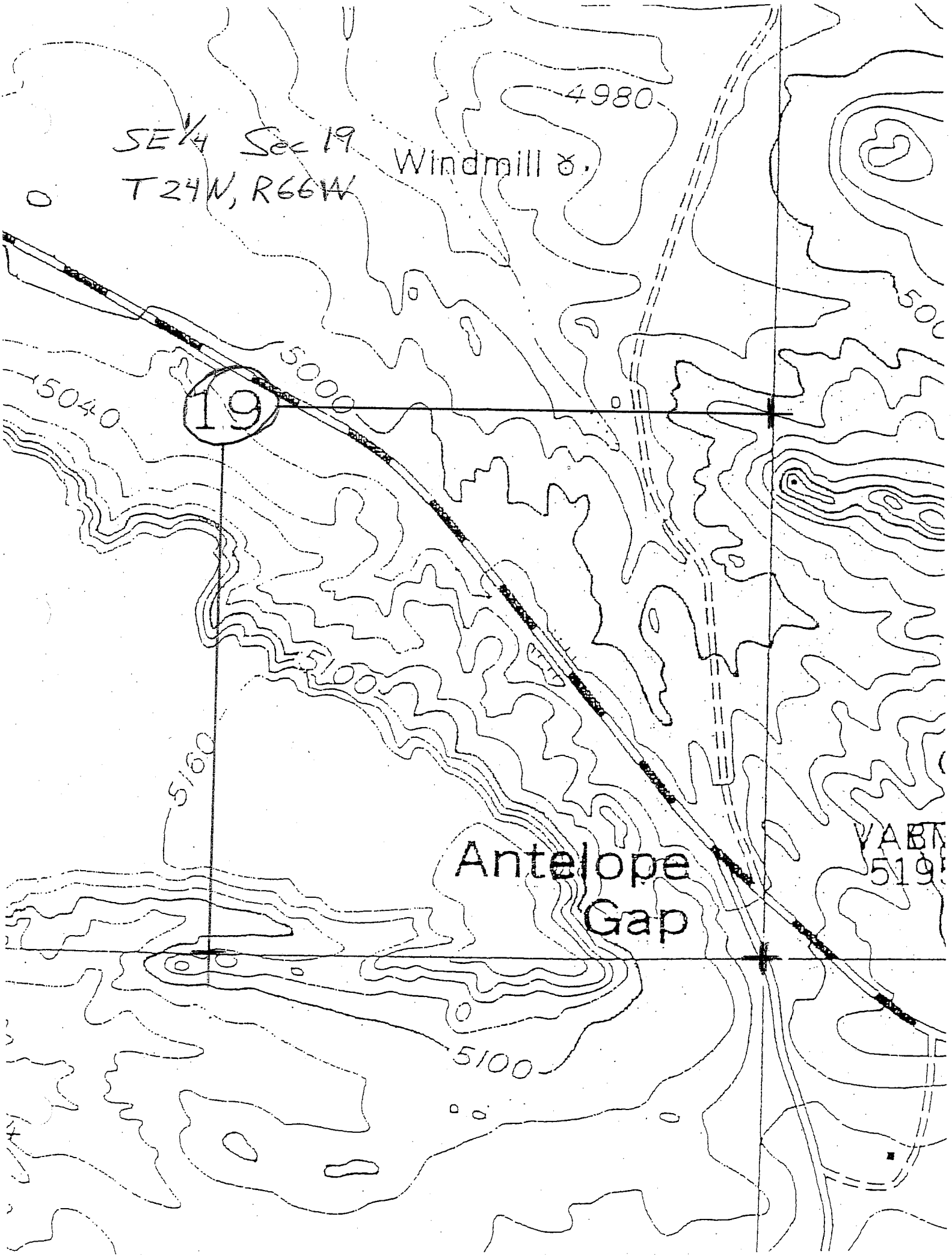
a. If **6 or more holes** were tested, the **average perc rate** was: _____ mpi, or

b. If **3 to 5 holes** were tested, the **slowest perc rate** (largest number) was: _____ mpi.

LOADING RATE TABLE

Percolation Rate (minutes per inch)	Loading Rate	Percolation Rate (minutes per inch)	Loading Rate
	Cannot use	31	0.39
Less than 1 mpi	this generic	32	0.385
	package *	33	0.38
		34	0.375
1 to 5 mpi	0.80	35	0.37
6	0.75	36	0.365
7	0.71	37	0.36
8	0.68	38	0.357
9	0.65	39	0.353
10	0.62	40	0.35
11	0.60	41	0.347
12	0.58	42	0.343
13	0.56	43	0.34
14	0.54	44	0.337
15	0.52	45	0.333
16	0.505	46	0.33
17	0.49	47	0.327
18	0.48	48	0.325
19	0.47	49	0.323
20	0.46	50	0.32
21	0.45	51	0.318
22	0.44	52	0.316
23	0.435	53	0.314
24	0.43	54	0.312
25	0.42	55	0.31
26	0.415	56	0.308
27	0.41	57	0.306
28	0.405	58	0.304
29	0.40	59	0.302
30	0.395	60	0.30
		More than 60 mpi	Cannot use this generic Package *

* Note - If the perc rate for your site is less than 1 mpi or greater than 60 mpi, you cannot use this generic application package. You must hire a Wyoming Registered Professional Engineer and submit an application customized for your specific site conditions.


SE¼ Sec 19
T24N, R66W
Windmill
4980
5000
5040
19
5100
5160
Antelope
Gap
5100

CHAMBER SYSTEMS

Equivalent Areas

As allowed by DEQ Water Quality Division Policy # 13.41.2, dated November 21, 1994, gravelless leach field chambers get double infiltrative surface area credit for the bottom area of the chamber. This is allowed because research indicates that chambers provide an optimum infiltrative surface by eliminating the 50% stone masking associated with conventional systems utilizing stone in the leach field. Since these types of chambers are manufactured units with fixed dimensions, an equivalent infiltrative surface area can be pre-calculated for any make and model of chamber. In a trench configuration, the equivalent area is equal to 2 * (width + effective side wall height) * unit length. In a bed configuration the side wall is not counted, so the equivalent area is equal to 2 * width * unit length. The following table shows the equivalent areas of several types and models of these units for both a bed and a trench application:

Make and Model	Nominal Dimensions (length*width*height)	EQUIVALENT AREA in a Bed Layout	EQUIVALENT AREA in a Trench Layout
INFILTRATOR brand:			
Original/Standard Unit	6.25ft * 34in * 12in	35.4 sf	40.0 sf / unit
High Capacity Chamber	6.25ft * 34in * 16in	35.4 sf	45.0 sf
Equalizer 24 (EQ24)	8.42ft * 15in * 11in	21.0 sf	30.0 sf
Equalizer 36 (EQ36)	8.42ft * 22in * 13.5in	30.0 sf	42.0 sf
Standard Sidewinder	6.25ft * 34in * 12in	35.4 sf	40.0 sf
High Capacity Sidewinder	6.35ft * 34in * 16in	35.4 sf	45.0 sf
HANCOR EnviroChamber:			
Standard Unit	6.25ft * 34in * 12in	35.4 sf	42.0 sf / unit
High Capacity Unit	6.25ft * 34in * 17.5in	35.4 sf	48.0 sf
BIODIFFUSER brand:			
Standard Unit	6.33ft * 34in * 14in	35.9 sf	45.0 sf / unit
Low Profile Unit	6.33ft * 34in * 11in	35.9 sf	42.0 sf
Bio 2 Chamber	7.25ft * 15in * 12in	18.0 sf	26.0 sf
Bio 3 Chamber	7.25ft * 22in * 12in	26.5 sf	35.0 sf

07-420

DESIGN INSTRUCTIONS and WORKSHEETS for a LESS than 2000 Gallons Per Day GRAVITY SEPTIC SYSTEM utilizing a LEACHFIELD Received July 10, 2007	For Office Use Only

A. General Information.

1. Name of Facility: Dave Johnson Small Wastewater Facility

2. Location: County Platte

se 1/4 Section SE, Section 19, Township 24 N, Range 66 W

3. Subdivision or Tract: a) Name Address 740 Antelope Gap Road *

b) Lot # _____, c) Block # _____, d) Date Platted or Approved _____ *

e) Attach legal description of property (from Sales Contract or Deed)

4. Is the proposed facility in compliance with a county approved subdivision or plat? Yes X, No ____. *

5. Is the proposed facility located within an area covered by an approved water quality management plan? Yes ____, No X. * (if No - skip to 7.)

6. a. Is the proposed facility consistent with an approved water quality management plan? Yes ____, No ____. * (if Yes - skip to 7.)

   b. If not, has a temporary exemption been approved? Yes ____, No ____. *

7. Is the proposed facility in conflict with an approved well-head protection program or source water protection program? Yes ____, No X. *

* Note: Your local county planning office or the appropriate DEQ District Office for your county can assist you with information relating to items 3, 4, 5, 6, and 7.

B. Site Information.

1. Lot Size: _____ ft. by _____ ft., Area: _____ sf, or 80 acres

2. Water Supply: ____ community, or Xx private well

3. Ground Slope (at location of leachfield): _____ ft./ 100 ft., or 5 %

4. Soil Description; Sandy

5. Percolation Rate in minutes per inch (mpi) as determined from *Percolation Test Procedure attachment.* (The actual percolation test data must be submitted with the application)

   a. **If 3 to 5 holes were tested,** the slowest rate (largest number) was .80 mpi

   b. **If 6 or more holes were tested,** the average percolation rate was _____ mpi

   c. **If the percolation rate is less than 1 mpi or greater than 60 mpi,** this site is unsuitable for a typical leachfield. Please contact the nearest DEQ district office or your local small wastewater program administrator for assistance.

6. The seasonally high groundwater level is More than 20' feet below the ground surface.

   How and where was this determined?

   Water well log

   Who determined this? _____, Date 2005

7. The depth to bedrock or an impermeable soil layer (perk rate greater than 60 mpi) is 8' feet below the ground surface. (If the depth to bedrock is greater then 12 feet, the exact depth is not necessary - answer: more than 12 ft.)

   How was this determined?

   Backhoe Cut

   Who determined this and qualifications? Jack E Johnson, Contractor

8. Complete the blank *Site Plan detail sheet* included herein.

C. Septic Tank Information.

1. Tank size: 1000 gallons, 1 compartment _____, or 2 compartment X

2. Manufacturer: Vaughn Concrete Products, Model 1000 gallon

3. Supplier: Vaughn Concrete Products, Phone # (307) 634-0695

4. *Standard Septic Tank detail sheet* must be completed.

D. Absorption system (leachfield) size calculations.

1. Design wastewater volume (circle a, b, or c - and complete that section):

a. Permanent Structure: 150 gpd/bedroom x 3 bedrooms = 450 gpd

b. Mobile home: 1 or 2 bdrms = 350, 3 bdrms = 500, 4 bdrms = 650gpd (circle one)

c. Non-residential design loads (show calculations as appropriate)

_____

_____

_____

2. The absorption system loading rate is: 0.80 gpd/sf.

(The loading rate is determined from your percolation rate and the "Loading Rate Table", Appendix PT, in the *Percolation Test Procedure attachment*)

3. The minimum required infiltrative surface area is calculated as follows:

$$\frac{\text{Wastewater volume (D.1.)}}{\text{Loading rate (D.2.)}} = \frac{450 \text{ gpd}}{.80 \text{ gpd/sf}} = 563 \text{ sf}$$

E. Absorption system layout (Leachfield):

1. Type of system: (check one)

Rock and perforated pipe **Trench**	____	complete part E.2.
Rock and perforated pipe **Bed**	____	complete part E.3.
Chamber Trench system	X	complete part E.4.
Chamber Bed system	____	complete part E.5.

2. Trench Design for Washed Rock and Perforated Pipe: (Distinct trenches with at least 3 feet of undisturbed soil between trenches)

a. Minimum infiltrative surface area required = _____ sf from D.3.

Choose your trench dimensions:

b. Total depth = _____ inches

c. Width = _____ inches

d. Depth below bottom of pipe = _____ inches (6" minimum)

Calculate minimum length of trench needed:

e. Square feet per linear foot =

(side [E.2.d.] + bottom [E.2.c.] + side [E.2.d.]) / 12 = _____ sf / foot

f. Total minimum trench length = E.2.a. / E.2.e. = _____ linear feet

g. Trench layout - (check one) Depending on the total minimum trench length required (E.2.f.); choose one of the following:

_____	1 single trench	see *Single Trench Pipe Leachfield detail sheet*
_____	2 trenches	see *Two Trench Pipe Leachfield detail sheet*
_____	4 trenches	see *Four Trench Pipe Leachfield detail sheet*
_____	Multiple trenches (requires "D" Box)	see *Multiple Trench Pipe Leachfield detail sheet*

3. Bed Design for Washed Rock and Perforated Pipe: (one continuous excavation - no distinct trenches)

a. Minimum infiltrative surface area required = _____ sf from D.3.

Choose your bed dimensions (must always be more than the minimum area required.)

b. Width _____ ft. Length _____ ft. = Total square feet _____ sf.

c. Bed layout: Complete *Bed Type Pipe Leachfield detail sheet*

4. Trench Design for Chamber Leachfied Systems: (Distinct trenches with at least 3 feet of undisturbed soil between trenches)

a. Minimum infiltrative surface area required = 563 sf from D.3.

b. Choose your make and model of leachfield Chamber:

Manufacturer Infiltrator, Model Equalizer-36

Width 22 inches, Height 12 inches, Length 8'5" feet & inches

c. Equivalent area per unit = 33 (See *Chamber Systems Attachment*)

d. Minimum number of units required is: 17

(Minimum area [E.4.a.] / Equivalent unit area [E.4.c.]) =
(563 / 33) = 18 units [round up]

e. Number of units to be used = 22 (same or more than E.4.d.)

f. Trench layout - Depending on the number of units to be used, choose one of the following:

____	1 single trench	see *Single Trench Chambered Leachfield detail sheet*
X	2 trenches	see *Two Trench Chambered Leachfield detail sheet*
____	4 trenches	see *Four Trench Chambered Leachfield detail sheet*
____	Multiple trenches (requires "D" Box)	see *Multiple Trench Chambered Leachfield detail sheet*

5. Bed Design for Chamber Leachfield Systems: (one continuous excavation - no distinct trenches)

a. Minimum infiltrative surface area required = 563 sf from D.3.

b. Choose your make and model of leachfield Chamber:

Manufacturer Infiltrator, Model ____

Width 22 inches, Height 12 inches, Length 8'5" feet & inches

c. Equivalent bed area per unit = 33 (See *Chamber Systems Attachment*)

d. Minimum number of units required is:

(Minimum area [E.5.a.] / Equivalent unit area [E.5.c.]) =
(____ / ____) = ____ units [round up]

e. Number of units to be used = ____ (same or more than E.5.d.)

f. Bed layout: Complete *Bed Type Chambered Leachfield detail sheet*

F. Site Plan and detail sheets:

A site plan sheet (site sketch) of your property showing the septic system and leachfield layout along with detail sheets which are appropriate for your specific system must be completed and submitted with these worksheets. Sheets which do not apply to your system need not be submitted. Empty boxes will appear throughout the plan and detail sheets. These boxes require that you fill in information and/or dimensions that apply to your specific design. Much, but not all, of this information can be obtained from the blanks you have just filled out throughout the worksheets. Please select and complete the appropriate sheets for your system.

G. Installer Information:

Agent or Contractor's Name: Jack E Johnson

Business Name (if applicable):

Mailing Address: Johnson's Pump & Excavating
31 South Gap Road
Wheatland, WY 82201
(307) 322-2343

Phone number: (307) 322-2343

H. General Comments:

Such as unusual site conditions or physical limitations, special requests, or any other pertinent information not previously explained in the worksheets.

/pjb
00814.doc

Standard Septic Tank

Manufacturer: Vaughn Concrete Model: 1000 Gallon

Rated Size: 1000 gallons One Compartment ____, or Two Compartments X

Is this septic tank on the Wyoming DEQ Approved Septic Tank List? if YES X — **STOP HERE!** if NO ____ — **CONTINUE!**

The requirements listed below and shown on the illustration apply to any tank used or site-built.

7. All small wastewater systems using a septic tank must have a minimum operating capacity of 1000 gallons. Additional capacity of 250 gallons per bedroom is required for each bedroom past four. Either one or two tanks may be used to meet this requirement.
8. The septic tank must be constructed of durable material not subject to rapid corrosion or decay and must be structurally sound and watertight. Steel tanks are not allowed.
9. Single compartment tanks shall have a minimum length to width ratio of 2:1.
10. Two compartment tanks shall have at least 50% of the volume in the first compartment.
11. Each compartment of the tank shall have an access opening with a minimum dimension of 20 inches in the least direction. Both inlet and outlet devices shall be accessible.
12. Clean-outs extending from each compartment to the surface with a minimum diameter of 6 inches must be provided. The access openings may be extended to the ground surface by use of a manway in lieu of a clean-out riser. All openings must be capped.

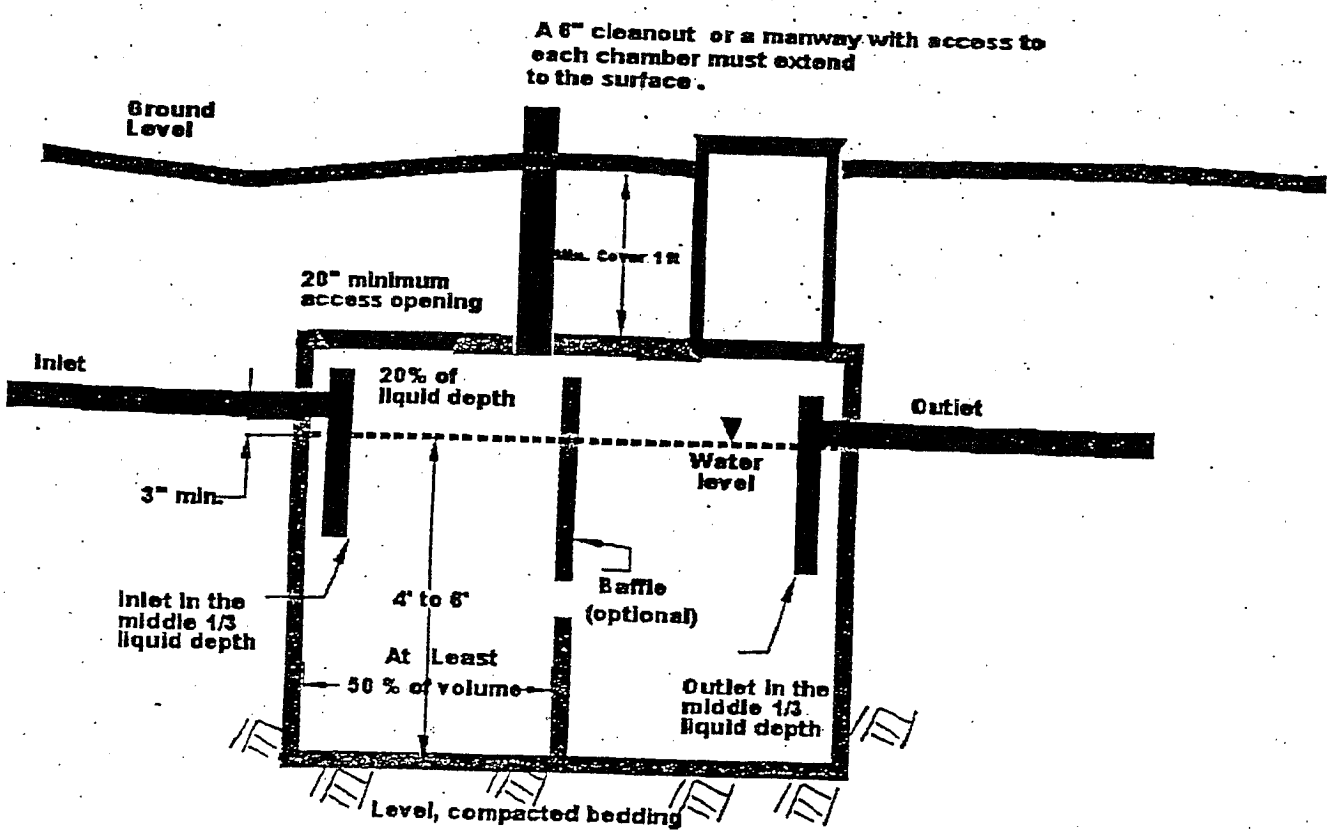
Material: _____ (such as concrete, polyethylene, etc.)

Inside dimensions in *Inches*

Length_____ Width____ Height____ Liquid Depth____ Air Space____

Operating Capacity = (Length * Width * Liquid Depth) / 231 = _____ gallons

Please complete the cross-section drawing below:



Two Trench Chambered Leachfield

This worksheet is for a trench type leachfield using chamber units. Where boxes appear please supply the dimensions of your leachfield.

Type of Chamber:

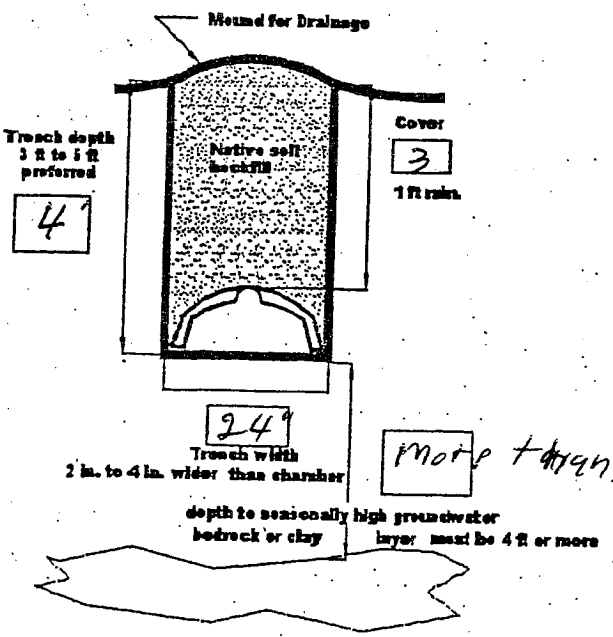
Brand Infiltrator

Model Equalizer 36

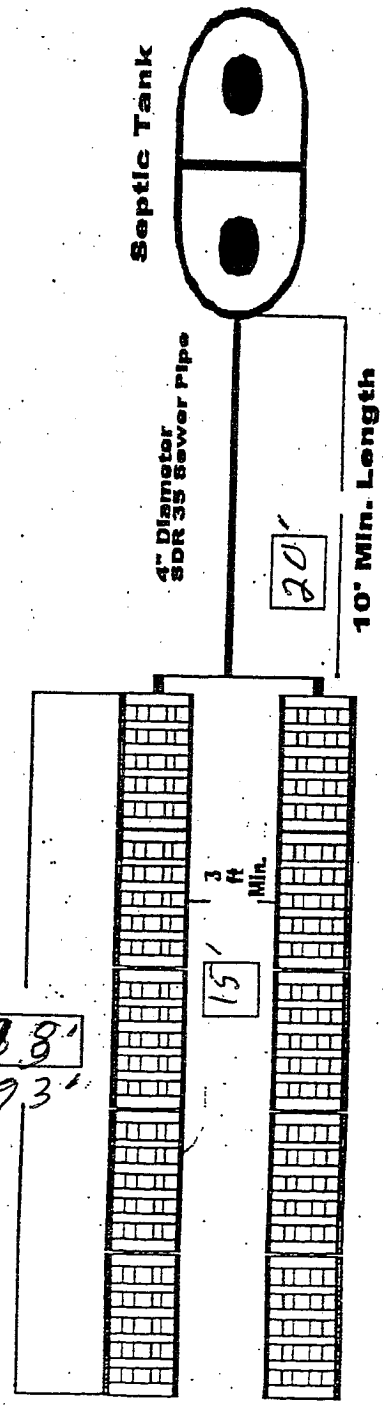
Dimensions: Length 8' 5"

Width 22" **Height** 12"

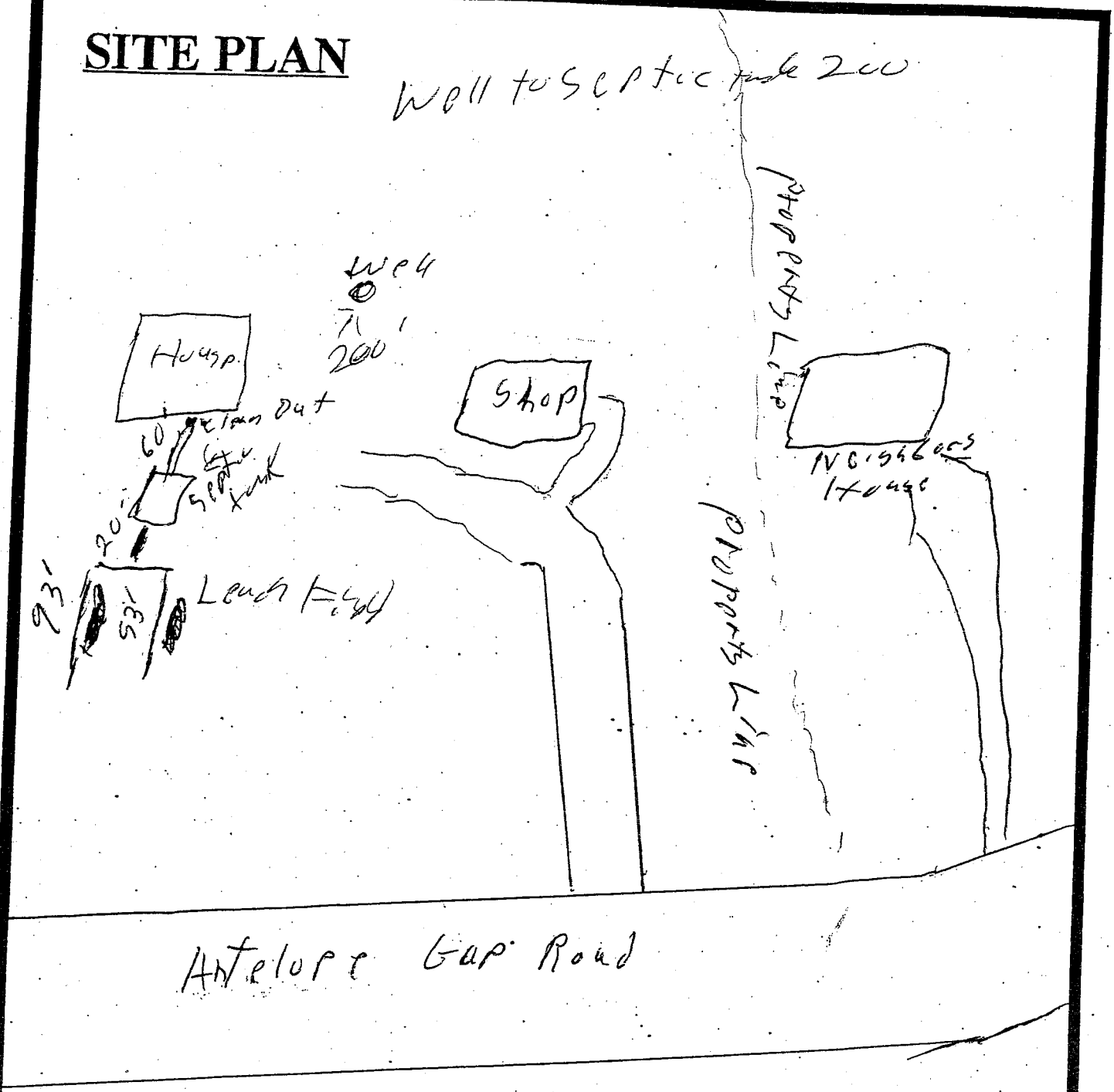
Number of Sections Req'd _____
(From Section E.4)



more than 20' 93'



SITE PLAN


Well to Septic tank 200
Well
200'
Housp.
Clean Out
60'
Septic tank
20'
93'
53'
Leach Field
Shop
Property Line
Property Line
Neighbors House
Antelope Gap Road

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 30, 2007

Mr. Robert Cox
LARAMIE COUNTY COMMUNITY COLLEGE
1400 E COLLEGE DR
CHEYENNE, WY 82007

RE: LCCC HEALTH SCIENCE & CENTRAL PLANT WATER AND SEWER EXT., Application No. **07-421**, LARAMIE County

Dear Mr. Cox:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as water and sewer line replacements and extensions, Lot 1, Block1 LCCC Addition; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by August 11, 2009.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-421** in any future correspondence. If you have any questions, please contact me at 307-777-7088.

Sincerely,

Louis B. Harmon

Louis B. Harmon PE-PG
Southeast District Engineer
Water Quality Division

LBH/rm/7-0619

cc: IPS, Cheyenne
Kelly W Hafner, Benchmark Engrs, 1920 Thomes Av #620 Cheyenne Wy 82001
Dena Hansen, South Cheyenne Water and Sewer District, 215 E Allison Rd, Cheyenne WY 82007

Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 11, 2007

Remy Levy
Dreamventure II,LLC
970 W. Broadway #299
Jackson, WY 83001

RE: Lincoln County - Etna Village Estates Phase I (Lots 1-56) - Water Main Extension - Permit Number 07-422, NE 1/4 Section 10, T35N, R119W, Lincoln County, PWS #WY5600157

Dear Mr. Levy:

The above application for coverage under General Permit to Construct a public water supply distribution system extension consisting of 5545 linear feet (LF) of 6-inch and 1709 LF of 8-inch PVC water main in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Mark Baron

Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

xc: IPS, Cheyenne
Ryan J. Erickson, P.E., Sunrise Engineering, Inc., P.O. Box 609, Afton, WY 83110

encl: General Permit for a Small Waste Water System

Lander Field Office • 510 Meadowview Drive • Lander, WY 82520 • http://deq.state.wy.us

ABANDONED MINES (307) 332-5085 FAX 332-7726
AIR QUALITY (307) 332-6755 FAX 332-7726
LAND QUALITY (307) 332-3047 FAX 332-7726
SOLID & HAZARDOUS WASTE (307) 332-6924 FAX 332-7726
WATER QUALITY (307) 332-3144 FAX 332-3183

Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 17, 2007

Bill Urbigkit, Public Works Director
City of Riverton
816 North Federal Blvd.
Riverton, WY 82501

RE: North Second Street East Emergency Sewer Replacement, Permit Number: 07-424, SE ¼, Section 27, T1N, R4E, Fremont County

Dear Mr. Urbigkit:

This project involves installing 995 linear feet 8-inch sewer line replacement, manholes and sewer services along a section of North Second Street East, Valley Circle and an adjacent alley. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

A variance was requested from Chapter 11, Section 9 (c)(i)(C) which requires a minimum slope of 0.004 ft/ft for 8-inch pipe. A variance from this regulation is granted based upon Policy 13.9.13. The construction of the proposed pipe will be installed at a 0.002 ft/ft slope or greater. The construction of the proposed sewer line will satisfy Policy 13.9.13 by the following provisions: 1) Pipe constructed of either ASTM D3034 SDR 35 PVC pipe, 2) the sewer grade will be established by a laser, 3) The pipe will be bedded with Type 1 bedding material using Type A Trench Backfill methods or cement treated fill, and 4) the sewer line will be constructed under the supervision of a full time inspector.

You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

If you have any questions, please contact James Brough at 307-332-3144.

Sincerely,

James Brough

James Brough, P.E.
Environmental Engineer
Water Quality Division

xc: Jeffrey Young, HKM Engineering Inc., P.O. Box 1655, Lander, WY 82520
IPS, Cheyenne

encl: General Permits For an Existing Sewage Collection System

The State
of Wyoming

Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

152 N. Durbin Street • Suite 100 • Casper, Wyoming 82601

NOTIFICATION OF COVERAGE

July 24, 2007

Ryan Shenk
P.O. Box 451
Hulett, WY 82720

RE: Shenk Residential Small Wastewater System, Crook County
Permit # 07-426

Dear Mr. Shenk:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

Additionally, the following requirements/recommendations also apply:

A. Cleanout – A cleanout is required in the house sewer line between the proposed residential structure and the septic tank.

B. Cleanout – A cleanout is recommended in the house sewer line between the septic tank and the leachfield.

If you have any questions please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3473. Thank you.

Sincerely,

William P. Havener Jr., PE

William P. Havener Jr., PE
Consulting Engineer
WDEQ/WQD

Enclosures: General Permit
Certificate of Completion

SOLID & HAZARDOUS WASTE DIVISION
(307) 473-3450
Fax: (307) 473-3458

AIR QUALITY DIVISION
(307) 473-3455
Fax: (307) 473-3458

WATER QUALITY DIVISION
(307) 473-3465
Fax: (307) 473-3458

The State
of Wyoming

Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

152 N. Durbin Street • Suite 100 • Casper, Wyoming 82601

NOTIFICATION OF COVERAGE

July 13, 2007

Grace Nussbaum
P.O. Box 267
Sundance, Wyoming 82729

RE: Nussbaum Residential Septic System
Permit # 07-427

Dear Ms. Nussbaum:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

Additionally, the following project specific conditions also apply:

A. **Cleanout** – A cleanout must be installed in the house sewer line at the 45 degree bend between the proposed residential dwelling and the septic tank.

If you have any questions please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3473. Thank you.

Sincerely,

William P. Havener Jr., PE

William P. Havener Jr., PE
Consulting Engineer
WDEQ/WQD

Enclosures: General Permit
Certificate of Completion

cc: IPS, Cheyenne
WDEQ File
Tim Lyons, Crook County, P.O. Box 848, Sundance, WY 82729

Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 18, 2007

Kevin Ringdahl
L&K Construction,LLC
P.O. Box 1449
Green River, WY 82935

RE: Boars Tusk Subdivision Lot 1 Small Wastewater Leachfield System - Permit Number 07-428, Sweetwater County

Location: Lot 1 at NW1/4SW1/4SE1/4, Sec 29 T20N R 105 W Boars Tusk Subdivision, Sweetwater County

Dear Kevin Ringdahl:

The above application for coverage under General Permit to Construct a small wastewater treatment facility located about 2.4 miles northwest of Rock Springs consisting of a 1000 gallon septic tank and 720 square feet standard infiltrator leach field to serve a 3 bedroom home, in accordance with Chapter 3, Section 7 and Chapter11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Perry Roberson
Consulting Engineer
Water Quality Division

Mark Baron, P.E.
Southwest District Engineer

xc: IPS, Cheyenne
Chuck Sykes, Environmental Health Services, 550 Uinta Drive, Suite D, Green River, WY 82935
Randy J. Hansen, JFC Engineers and Surveyors, 1515 9th St. Suite A, Rock Springs WY 82901

encl: General Permit for Small Wastewater Treatment Systems

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 18, 2007

Kevin Ringdahl
L&K Construction,LLC
P.O. Box 1449
Green River, WY 82935

RE: Boars Tusk Subdivision Lot 18 Small Wastewater Leachfield System - Permit Number 07-429, Sweetwater County

Location: Lot 18 at NW1/4SW1/4SE1/4, Sec 29 T20N R 105 W Boars Tusk Subdivision, Sweetwater County

Dear Kevin Ringdahl:

The above application for coverage under General Permit to Construct a small wastewater treatment facility located about 2.4 miles northwest of Rock Springs consisting of a 1000 gallon septic tank and 891 square feet standard infiltrator trenched leach field to serve a 3 bedroom home, in accordance with Chapter 3, Section 7 and Chapter11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Perry Roberson
Consulting Engineer
Water Quality Division

Mark Baron, P.E.
Southwest District Engineer

xc: IPS, Cheyenne
Chuck Sykes, Environmental Health Services, 550 Uinta Drive, Suite D, Green River, WY 82935
Randy J. Hansen, JFC Engineers and Surveyors, 1515 9th St. Suite A, Rock Springs WY 82901

encl: General Permit for Small Wastewater Treatment Systems

Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 13, 2007

Jamie Walker
P.O. Box 75
Opal, WY 83124

RE: Jamie Walker, Small Wastewater Leachfield System - Permit Number 07-430, Lot 30,L-3, Rolling Hills First Addition, Kemmerer, Lincoln County

Location: A southwest addition located at SW1/4, Sec 22 Resurvey of T21N R 116 W, Lot 30-L-3, Rolling Hills First Addition, Kemmerer

Dear Jamie Walker:

The above application for coverage under General Permit to Construct a small wastewater treatment facility consisting of a 1000 gallon septic tank, 4 trench leach field 75 feet in length to serve a 3 bedroom home, in accordance with Chapter 3, Section 7 and Chapter11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Perry Roberson
Consulting Engineer
Water Quality Division

Mark Baron, P.E.
Southwest District Engineer

xc: IPS, Cheyenne
Thomas D. Crank, P.E. P.O. Box 365, Diamondville, WY 83101
Kent Slovernick, Public Works Director, 220 Wyoming Highway 233, Kemmerer, WY 83101

encl: General Permit for Small Wastewater Treatment Systems

The State
of Wyoming

Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

152 N. Durbin Street • Suite 100 • Casper, Wyoming 82601

NOTIFICATION OF COVERAGE

September 5, 2007

Sonny Pilcher
1121 Wilkins Circle
Casper, WY 82601

RE: Beacon Club Fire Protection Line, WDEQ No. 07-431

Dear Mr. Pilcher:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Public Water Supply Distribution Systems in accordance with Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V. Section O. of the general permits.

If you have any questions, please contact me at 307-473-3478.

Sincerely,

Karen L. Farley

Karen L. Farley, P.E.
Northeast District Supervisor
Water Quality Division

Enclosures: General Permit
Application
Certificate of Completion

cc: Shane M. Porter, P.E., WLC Engineering, Surveying, and Planning, 200 Pronghorn, Casper, WY 82601
Town of Mills, 704 4th Street, Mills, WY 82644
WDEQ File
IPS, Cheyenne

The State
of Wyoming

Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

152 N. Durbin Street • Suite 100 • Casper, Wyoming 82601

NOTIFICATION OF COVERAGE

August 9, 2007

Trascinelli Luca
314 Lake Ranch Road
Hulett, WY 82720

RE: Wild West Hideaway Small Wastewater System
Permit # 07-432

Dear Mr. Luca:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

If you have any questions, please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3478. Thank you.

Sincerely,

Karen L. Farley

Karen L. Farley, P.E.
Northeast District Supervisor
WDEQ/WQD

Enclosures: General Permit
Certificate of Completion

cc: Russell Stinson, Stinson Backhoe, Box 23, Hulett, WY 82720
IPS, Cheyenne
WDEQ File
Tim Lyons, Crook County, P.O. Box 37, Sundance, WY 82729

Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 7, 2007

CITY OF DOUGLAS
PO BOX 1030
DOUGLAS, WY 82633

RE: CITY OF DOUGLAS-2007 WATER AND SEWER IMPROVMENT PROJECT, Application No. **07-433**, Converse County

Dear People:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as water and sewer line replacements and extensions, NW1/4 Section 16 T32N R71W; Converse County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by August 11, 2009.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-433** in any future correspondence.

If you have any questions, please contact me at 307-777-7088.

Sincerely,

Louis B. Harmon

Louis B. Harmon PE-PG
Southeast District Engineer
Water Quality Division

LBH/rm/7-0663

cc: IPS, Cheyenne

Thomas Brauer, City Engineering Professional, 6080 Enterprise Dr., Casper, WY., 82609

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: City of Douglas 2007 Water and Sewer Improvements Project
ENGINEER: CEPI
APPLICANT: City of Douglas

WATER QUALITY DIVISION REFERENCE NUMBER: **07-433**
REVIEWING ENGINEER: Louis B. Harmon
DATE OF REVIEW: July 30, 2007

Professional Engineer (Civil) Louis B. Harmon 3523 Date 30 July 2007 WYOMING

ACTION: **NOT AUTHORIZED FOR CONSTRUCTION**. In accordance with Section 14(a), Chapter 3, 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 said Section 9. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS

1. Chapters 11 and 12, Section 6 require all permit applications to include an engineer's design report . For simple projects like this one the design report can be part of the cover letter.
2. For the water system, residual pressures at fire flows should be discussed. The requirement is for a residual pressure of 20 psi at full hydrant flow at peak daily flow.
3. For the sewer system, the flow at the downstream end of the proposed replacement should be discussed.
4. The plans do not provide adequate detail on the abandonment of the 4 inch water line. The preferred solution would be for complete removal of the old 4 line.
5. A fourth valve is recommended at the south end of the 8" line being cut into the 6" line at the intersection of Monroe and Russell.
6. The clay sewer line should be removed concurrent with the installation of the new PVC line.

LBH/rm/7-0620

Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 13, 2007

Joe and Maxine Meyer
4195 Basin Gardens Road
Basin, WY 82410

RE: Renewal of Meyer Small Wastewater System Under Permit **07-436**
NW/4 NE/4 Section 22 Township 51 North, Range 93 West in Big Horn County
Reference Permit **07-394.**

Dear Mr. and Mrs. Joe Meyer,

The referenced application for coverage under a General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a 3 bedroom house , in accordance with Chapter 3 Section 9 of the Wyoming Water Quality Rules and Regulations (WWQRR), has been renewed to provide additional time for you to complete the installation of the leachfield. This is being done for two reasons: consideration of your limited physical abilities related to your health issues and time for the repair of your backhoe so the trenches can be dug.

After visiting with you and your family at your property on July 6th, I am documenting for the record that a different septic tank was installed (Billings Precast instead of a Big Horn Readimix), the separation distance between the leachfield trenches will be about six feet instead of three feet and that the area available for a future replacement leachfield will be between the proposed trenches.

You are authorized to continue to construct and install the small wastewater system in accordance with Chapter 11, Part D of the WWQRR, the General Permit and the materials submitted in your application package. Please note the reporting requirements outlined in Part V, Section O of the General Permit mailed to you under Permit 07-394.

The approval granted under this Notification Of Coverage and the General Permit shall expire on July 31, 2007.

Please contact me if you have any questions at (307) 777-7075.

Yours truly,

Don McKenzie
Manager
Water & Wastewater Section
Water Quality Division

DRM/rm/7-0573

cc: IPS, Cheyenne
James Brough, DEQ Office, Lander
Big Horn County Engineer's Office, County Courthouse, PO Box 29, Basin, 82410

Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 13, 2007

Dan Aneiros
805 Jefferson
Sinclair, Wyoming 82334

RE: Aneiros Family Cabin Septic System, Application No. **07-437**
Location: NW¼, Section10, T19N, R81W, Carbon County
Aspen Highlands, Lot #28

Dear Mr. Aneiros:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **2 bedroom cabin** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific condition also applies:

Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.

The approval granted under this Notification Of Coverage and the General Permit shall expire on July 13, 2009. Please reference Application Number **07-437** in any future correspondence.

If you have any questions, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald

Ronald L. Ewald, P.E.
Consulting Engineer
Southeast District, Water Quality Division

RLE/rm/7-0568

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Carbon County Planning Director, Lou Kline, 215 W. Buffalo Street, #304,
P.O. Box 487, Rawlins, Wyoming 82301

The State
of Wyoming

Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

152 N. Durbin Street • Suite 100 • Casper, Wyoming 82601

NOTIFICATION OF COVERAGE

July 23, 2007

Jerry Knapp
P.O. Box 365
Hulett, WY 82720

RE: Knapp Residential Small Wastewater System, Crook County
Permit # 07-438

Dear Mr. Knapp:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

Additionally, the following recommendations also apply:

A. **Cleanout** – A cleanout is recommended in the house sewer line between the septic tank and the leachfield.

If you have any questions please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3473. Thank you.

Sincerely,

William P. Havener Jr., PE

William P. Havener Jr., PE
Consulting Engineer
WDEQ/WQD

Enclosures: General Permit
Certificate of Completion

cc: IPS, Cheyenne
WDEQ File
Tim Lyons, Crook County, P.O. Box 848, Sundance, WY 82729

SOLID & HAZARDOUS WASTE DIVISION
(307) 473-3450
Fax: (307) 473-3458

AIR QUALITY DIVISION
(307) 473-3455
Fax: (307) 473-3458

WATER QUALITY DIVISION
(307) 473-3465
Fax: (307) 473-3458

Dave Freudenthal, Governor

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

John Corra, Director

NOTIFICATION OF COVERAGE

July 13, 2007

Joe and Maxine Meyer
4195 Basin Gardens Road
Basin, WY 82410

RE: As-Built Permit **07-439** for Rose Bonilla Trailer
NW/4 NE/4 Section 22 Township 51 North, Range 93 West in Big Horn County

Dear Mr. and Mrs. Joe Meyer,

I am providing you an as-built permit for the septic system at your daughter's home on your property. This system is located to the east of your home. The septic system was installed in 1993. An application was submitted to our Lander Office for authorization that year. Our records only indicate there was a question regarding the percolation rate submitted and the withdrawal of the application in 2002.

Based upon your knowledge, and that of your family, the septic system consists of a 1000 gallon concrete septic tank, most likely a Big Horn Redimix model, and about sixty feet of perforated pipe with rock in a single trench. The amount of rock installed below the perforated pipe is almost three feet.

Based upon information collected from your recently permitted septic system and information from the septic system located to the north of your home, authorized by the Big Horn County under their permit 03-020, the soil percolation rates are about 20 minutes per inch and groundwater is approximately 15 feet deep or more for this area.

This septic system has historically not had any problems with the exception of overflow from the tank earlier this year. The tank has been pumped and there were no problems noted during my July 6th visit. While at your property I confirmed the accuracy of a site plan drawing, provided by your daughter, which indicates minimum separation distances appear to be met for the septic system in relation to property lines, water wells, etc.

It is my opinion the system is under-designed when compared to our small wastewater design standards.

However, water usage varies by home and I found no evidence of an ongoing failure of the septic system, so I am not recommending any modifications to the septic system at this time. In the event you encounter problems in the future, I do recommend you modify the septic system under permit from the Big Horn County small wastewater program.

Please contact me if you have any questions at (307) 777-7075.

Yours truly,

Don McKenzie

Don McKenzie
Manager
Water & Wastewater Section
Water Quality Division

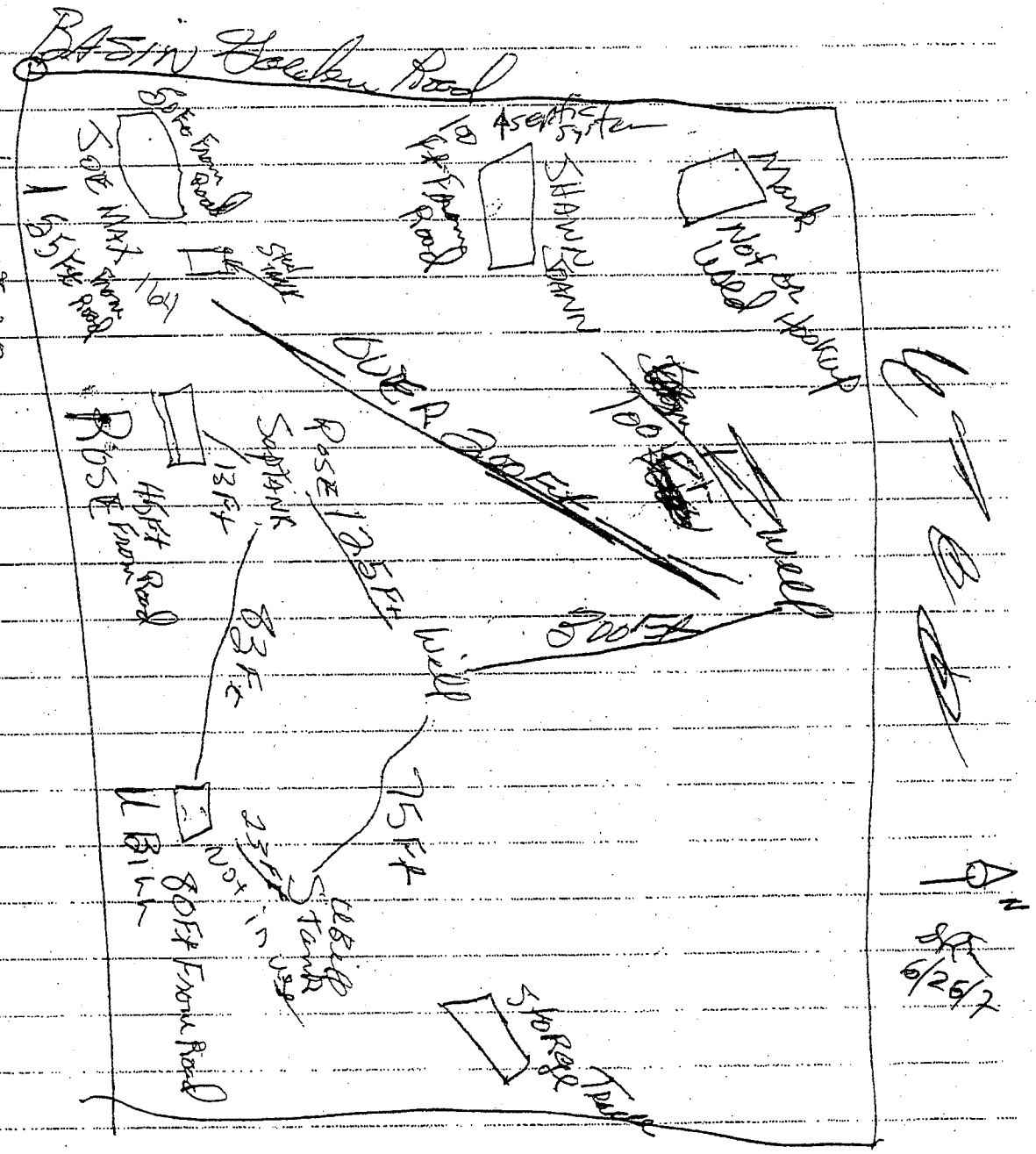
Enclosure: Site Drawing

DRM/rm/7-0571

cc: IPS, Cheyenne
James Brough, DEQ Office, Lander
Big Horn County Engineer's Office, County Courthouse, POB 29, Basin, 82410

Received
8/23/06 JGW

Site plan for 27 acres
added by DRR
6/26/7



10/15

Dave Freudenthal, Governor

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

John Corra, Director

NOTIFICATION OF COVERAGE

July 13, 2007

Joe and Maxine Meyer
4195 Basin Gardens Road
Basin, WY 82410

RE: As-Built Permit **07-440** for Far East Single Bedroom Trailer
NW/4 NE/4 Section 22 Township 51 North, Range 93 West in Big Horn County

Dear Mr. and Mrs. Joe Meyer,

I am providing you an as-built permit for the septic system at the single bedroom yellow and white trailer located east of your daughter's home on your property. The septic system was installed in 1991. There is no record this septic system was permitted by us or the Big Horn County small wastewater program.

Based upon your knowledge, and that of your family, the septic system consists of a poly tank of unknown size and a three trench leachfield comprised of perforated pipe and rock. The amount of rock used in the trenches is unknown as well as the lengths of the trenches.

Based upon information collected from your recently permitted septic system and information from the septic system located to the north of your home, authorized by the Big Horn County under their permit 03-020, the soil percolation rates are about 20 minutes per inch and groundwater is approximately 15 feet deep or more for this area.

This septic system has historically not had any problems. While at your property I confirmed the accuracy of a site plan drawing, provided by your daughter, which indicates minimum separation distances appear to be met except for the distance to a private water supply well, which is at least 25 feet short of the required 100 feet. This water well supplies water on your property for domestic use. I do not have any information on the well construction. As a result, I recommend you have the well water tested for fecal coliforms and nitrates now.

While I am not able to determine compliance with all minimum design standards for this septic system, I did not find any problems associated with its use while at your property on July 6th and I am not recommending any modifications to the septic system at this time.

In the event your well water test results indicate unusual levels of nitrates, or the presence of fecal coliforms, or the septic system fails in the future, you will have to abandon the septic system and install another that meets minimum design standards under the Big Horn County small wastewater program.

Please contact me if you have any questions at (307) 777-7075.

Yours truly,

Don McKenzie

Don McKenzie
Manager
Water & Wastewater Section
Water Quality Division

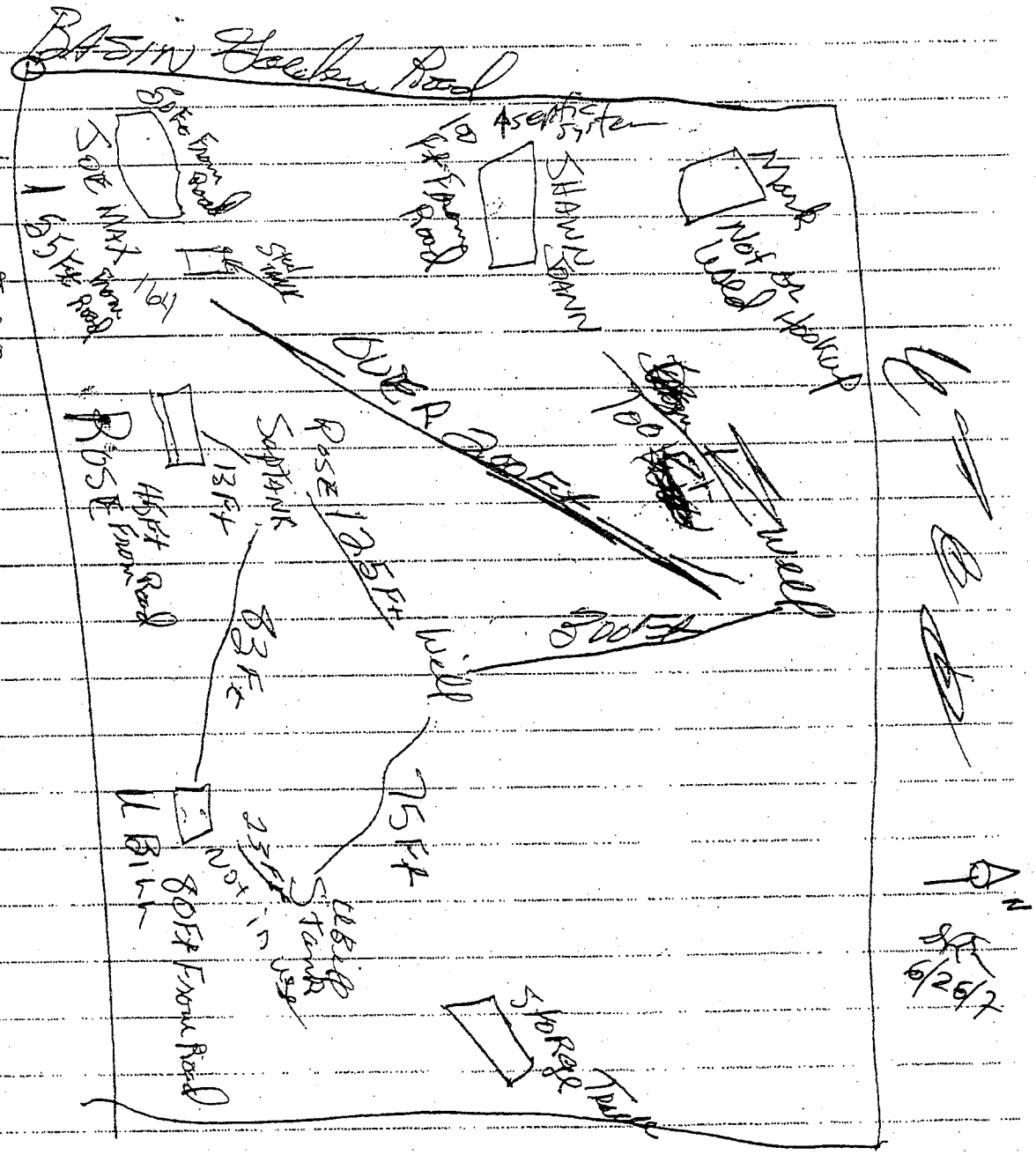
Enclosure: Site Drawing

DRM/rm/7-0572

cc: IPS, Cheyenne
James Brough, DEQ Office, Lander
Big Horn County Engineer's Office, County Courthouse, PO Box 29, Basin, 82410

Received
8/23/06 JGW

Site plan for 27 acres
added by DRH
6/26/7



10/15

Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 2, 2007

City of Laramie
Attn. Terry Haugen, Public Works Director
P.O. Box C
Laramie, WY 82073

RE: City of Laramie: Adams St. Sanitary Sewer Trunk Line, Application No. **07-441**

Dear Director Haugen:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Sewage Collection Systems in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit, which your Public Works Department should already have copies of.

The approval granted under this Notification Of Coverage and the General Permit shall expire on August 2, 2010. Please reference Application Number **07-441** in any future correspondence.

If you have any questions, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald

Ronald L. Ewald, P.E.
Environmental Senior Analyst
Southeast District, Water Quality Division

RLE/rm/7-0636

Enclosures: Certificate of Completion Form

cc: IPS,
Tammy M. Reed, P.E., Trihydro Corporation, 1252 Commerce Drive, Laramie, Wyoming 82070

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

September 13, 2007

Paul Sorensen, P.E.
Sorensen Consulting, LLC
1901 Bear Court
Fort Collins, CO 80525

RE: Chaparral Gardens Mobile Home Park, 07-442, Leach field
Class V injection well application, Albany County

Dear Mr. Sorensen:

Attached, please find comments developed by the Wyoming Department of Environmental Quality (WDEQ) with respect to the content and adequacy of the Wyoming Water Quality Rules and Regulations, Chapter 16, Class V permit application.

The WDEQ received this application on July 9, 2007 and has until September 9, 2007 to make an initial determination of completeness (60 days). Re-submittal of information by an applicant on an incomplete application will begin a new 60 day review process. Pursuant to Chapter 16, Section 6(h), during any 60 day review period where an application is determined complete, a draft permit for issuance or denial shall be prepared and a public notice provided pursuant to Chapter 16, Section 13.

Please feel free to contact me at (307) 777-5623 should you have any questions related to these comments or the application and review process.

Sincerely,

PROFESSIONAL GEOLOGIST
JOHN A. PASSEHL
PG-4762
WYOMING

John A. Passehl, P.G.
UIC Geological Supervisor
Water Quality Division

JAP/cs/7- 0809
Attachments: WDEQ Comments
Monitor Well Diagram

cc: Lou Harmon, DEQ
Kevin Frederick, DEQ

Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • http://deq.state.wy.us

ADMIN/OUTREACH	ABANDONED MINES	AIR QUALITY	INDUSTRIAL SITING	LAND QUALITY	SOLID & HAZ. WASTE	WATER QUALITY
(307) 777-7937	(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 777-5973	FAX 777-5864	FAX 777-5973	FAX 777-5973

UNDERGROUND INJECTION CONTROL PROGRAM
REVIEW COMMENTS:
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Bldg., 4 West
Cheyenne, Wyoming 82002
307-777-7781

PROJECT: 07-442; Chaparral Gardens Mobile Home Park
Class V injection well application

LOCATION: Albany County

APPLICANT: Jim Skovgard
4312 Link 53E
Kimball, NE 69145

OWNER: Jim Skovgard

CONSULTANTS:

GEOLOGIST N/A

ENGINEER Paul Sorensen, P.E.
Sorensen Consulting, LLC
1901 Bear Court
Fort Collins, CO 80525

TITLE: *"Chaparral Gardens Mobile Home Park Septic System"*

_X_ PLANS _X_ SPECS _X_ PROPOSAL __ REPORT

DATE ON PROPOSAL/PLANS/REPORT: July 3, 2007

DATE RECEIVED BY WDEQ: July 9, 2007

WDEQ REVIEWER: John A. Passehl, P.G. — PROFESSIONAL GEOLOGIST
Lou Harmon, P.E. — PROFESSIONAL ENGINEER

DATE OF THIS REVIEW: September 12, 2007

ACTION: Application Incomplete; See Attached Comments

I. WDEQ Comments:

Specific Comments - Additional Information Required **(John Passehl: 777-5623)**

1. According to Chapter 16 Section 11(f) "All Class V permits shall contain a point of compliance. The point of compliance shall be the point of injection or specific monitor wells located down gradient of the injection facilities". The application proposes one (1) down gradient monitor well and there appears to be three (3) existing monitor wells of unknown construction? Please ensure two (2) monitor wells (MW-1, MW-2) are located down gradient of the leach field and near the property boundary and one (1) monitor well is located upgradient of the leach field. Judging from the State Engineer's database, static water levels in the area occur anywhere from 25 to 60 feet below land surface. Please provide detailed well construction details of the existing and proposed monitor wells using the enclosed forms. Additionally after the wells are constructed a detailed baseline ground water analysis will need to be collected and submitted from one (1) monitor well prior to use of the injection facility.

2. Please provide Quarter/Quarter/Section/Township/Range locations of all monitor wells.

3. Is there a public supply well on-site? If so, please locate it on the topographic map and provide the public supply permit number and a copy of State Engineer well construction permit.

4. The following table contains parameters and reporting frequencies that are specific to your new Class V (5E3) permit for **Monitoring Wells #1, #2, #3:**

Semi-Annual Monitor Well Sampling Schedule (Jan 1-Dec 31)

Parameter Analyzed	Report Schedule	MCL (mg/L)
Nitrate	Annual	10.0
Ammonia	Annual	0.5
Chloride	Annual	250
Fecal Coliform Bacteria (public supply well only)	Annual	0/100 mL
Static Water Level Elevation	Annual	None (feet)

5. Please provide a statement that all injection and monitoring wells will be constructed and plugged and abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G.

6. Please register at the following website so that future UIC applications and monitoring lab reports (associated with this facility) can be submitted/uploaded electronically https://gem.trihydro.com The parameters required to be reported for the baseline water quality samples can be obtained from the website under "Monitor Reports", then select company as "Chaparral", then "MW-1". Note - obtaining permission to access the site may take up to 24 hours.

STATE OF WYOMING
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND INJECTION CONTROL PERMIT ISSUED UNDER
WYOMING WATER QUALITY RULES AND REGULATIONS
CHAPTER 16

CLASS V INJECTION WELL

(X) New
( ) Modified

Permit Number 07-442
Facility Number WYS-001-00086

In compliance with the Wyoming Environmental Quality act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a)(iv), Laws 1973, Ch. 250, Section 1) and Wyoming Water Quality Rules and Regulations, Chapter 16.

Applicant: Chaparral Gardens Mobile Home Park
Attn: Jim Skovgard
4312 Link 53E
Kimball, NE 69145
(307) 277-2260

Chaparral Gardens Mobile Home Park, hereafter referred to as the permittee, is authorized to construct and operate the proposed septic system in the NE ¼ NE ¼ of Section 20, Township 15 North, Range 73 West, of the 6th Principal Meridian, Albany County, according to the procedures and conditions of application 07-442 and requirements and other conditions of this permit.

This permit shall become effective on date of issuance.

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

3/24/08
Date

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

3/24/08
Date

JAP/rm/8-0233

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A. Discharge Zone

This injection well (sanitary leach field system) is authorized to inject 6,050 gallons/day from 17 lots into the undifferentiated Cloverly formation which is found within 100 feet of land surface.

B. Well and Area of Review

The injection well authorized by this permit is located as follows:

NE ¼ of NE ¼ of Section 20, Township 15 North, Range 73 West, 6th Principal Meridian

The Area of Review is defined as a circular area of 360 acres with the injection facility located near its center.

The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10	Years
Porosity	43	Percent
Maximum Injection Rate	6,050	GPD
Thickness of Receiver	35	Feet
Area of Review	1,980	Feet
Hydraulic Conductivity	10.9	Feet/Day

C. Groundwater Classification

The groundwater in the unconfined Cloverly formation is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater in this formation is currently being used for domestic purposes at several nearby points of withdrawal. Ground water of Class I shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

The permittee is authorized to inject 144 barrels per day, (6,050 gallons per day) of wastewater through the proposed injection well system. The wastewater is described as tertiary treated domestic sewage from a BioMicrobics MicroFast 9.0 treatment system. Injection will occur via a leach field with up to 296 chambers.

If additional housing units are added beyond those identified in the permit application, the leach field and/or treatment system may need to be enlarged in which case the permittee must submit a revised application and receive a new permit prior to modification of the leach field or treatment system.

E. Hazardous Waste

This permit does not allow for the injection of any hazardous waste as defined in 40 CFR 261.3 and in Wyoming Solid Waste Management Rules and Regulations, Chapter 2. Injection of any substance defined as a hazardous waste, whether hazardous by listing or by characteristic is a violation of this permit.

F. Proper Operation and Maintenance

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes: effective performance, adequate funding, operator staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit. The injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapter 11 and Chapter 16.

The permittee is required to operate in accordance with statements, representations and procedures presented in the complete permit application and supporting documents as accepted and approved by the Administrator. Any modifications which will result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued. Injection into a well may not begin until construction is complete and the permit is approved.

G. Entry and Inspection

The permittee shall allow the Administrator (upon presentation of credentials and during normal working hours) to enter the premises where a regulated facility is located, or where records are kept under the conditions of this permit and inspect and photograph the discharge and related facilities, review and copy reports and records required by this permit, collect fluid samples for analysis, measure and record water levels, and perform any other function authorized by law or regulation.

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

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

2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from

the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.

3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.

4. Records of monitoring information shall include:

   a. The date, exact place, and time of sampling or measurements;
   b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
   c. The date(s) analyses were performed;
   d. The time(s) analyses were initiated;
   e. The initials or name(s) of the individual(s) who performed the analyses;
   f. References and written procedures for the analytical techniques or methods used;
   g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.

5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

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

7. The permittee shall report any noncompliance which may endanger health or the environment within 24 hours from the time the operator 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 ground waters of the state;
   c. A written submission shall be provided within 5 days of the time the operator 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.

8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.

9. The monitoring reports shall be submitted on forms provided by the Department. 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 45 days following each schedule date.

I. Requirements for Monitoring the Discharge

The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in **Table 2**. The following parameters shall be analyzed semi-annually by the listed methods and reported annually:

Table 2 (Semi-Annual Groundwater Sampling Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL*
MW-1 MW-2 MW-3	Once prior to the end of each semi-annual period.	Ammonia as N	SM 4500 NH_3 H	0.50 mg/L
		Chloride	SM 4500 CL^-B	250 mg/L
		Fecal coliforms	SM 9222D	0 colonies/100 Ml
		Nitrate	SM 4500 NO_3 E	10 mg/L
		Top of casing elevation (ft)	Casing elevation must be surveyed	Not applicable
		Depth to static water (ft)	Steel tape with chalk or electronic tape	Not applicable

*All applicable chemical concentrations in this permit are expressed as total (not dissolved) in mg/l unless otherwise noted.

All Semi-annual reports are to be reported within forty-five (45) days of the last day of the year. Sampling periods are identified as follows: 01/01-06/30, 07/01-12/31.

The above upper control limit (UCL) can not be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require notification under Section K of this permit. Failure to perform and report analyses in accordance with the prescribed schedule and method is also a violation of this permit.

J. Test Procedures

All samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All samples taken shall include a trip blank of distilled water for each sampling date and a duplicate sample at least once per year. All required analyses shall be conducted in compliance with Wyoming Water Quality Rules and Regulations, Chapter 8, Section 7.

K. Records and Reports

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal

or archive at his discretion. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

L. Permit Actions

This permit is issued for a period of ten (10) years. If the permittee wishes to continue injection after the expiration date of this permit, he shall apply to the Administrator prior to the expiration date of this permit. An expired permit continues in effect until a new permit is issued or the permit is terminated by the Administrator. It shall not be a defense for the permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. The filing of a request by the permittee, or at the instigation of the Administrator, for permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

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

1. Violation of this permit; or

2. Obtaining a permit by misrepresentation of facts in the application.

This permit will be reviewed at least once every five (5) years, and may be reviewed more frequently. A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit was issued. A permit may be modified in whole or part in order to apply more or less stringent standards; or prohibitions for toxic or other substances present in the permittees discharge as may be ordered by the Environmental Quality Council.

M. Abandonment

General Requirements:

1. The permittee shall notify the administrator at least thirty (30) days prior to abandonment of the facility.

2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this permit, or describing any deviations from the original plan, shall be submitted as soon as practicable after abandonment. The abandonment shall include reclamation of the well site.

3. Injection wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 16, Section 12.

N. Duties of the Permittee

The permittee shall give advance notice to the Administrator as soon as possible of any planned physical alteration or additions, other than authorized operation and maintenance, to the permitted facility and receive authorization prior to implementing the proposed alternation or addition. The permittee shall furnish the Administrator within a reasonable time any information which the Administrator may request to determine whether cause exists for modifying, revoking, or reissuing, or terminating this permit, or to determine compliance with this permit; and to furnish to the Administrator upon request, copies of records required to be kept by this permit. Any modification which may result in a violation of a permit condition shall be reported to the Administrator, and any modification that will result in a violation of any permit conditions shall be reported to the Administrator through the submission of a new or amended permit application. The permittee shall report all instances where he becomes aware that he failed to submit any relevant facts in the permit application, or where he submitted incorrect information in a permit application or in any report to the Administrator, and shall promptly submit such facts or information.

If any cultural materials are discovered during construction, work in the area should halt immediately. The Administrator and the Wyoming State Historic Preservation Office shall be contacted (777-7697) and the materials shall be evaluated by an archaeologist or historian meeting the Secretary of the Interior's Professional Qualification Standards (48 FR 22716, Sept. 1983).

O. Signatories Requirement

All reports filed in conjunction with this permit shall contain the following certification:

"I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

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

<u>For a corporation</u> – by a principal executive officer of at least the level of vice-president;

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

For a municipality, state, federal, or other public agency – by either a principal executive officer or ranking elected official; or

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

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

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

3. The written authorization is submitted to the Administrator.

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

P. Noncompliance

The permittee shall comply with all conditions of the permit. Any permit noncompliance constitutes a violation of Wyoming Water Quality Rules and Regulations, Chapter 16 and is grounds for enforcement action, permit termination, revocation, or modification. Conformed noncompliance resulting in an excursion shall be reported to the Administrator orally within twenty-four (24) hours, and a written submission shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written report shall contain the sections specified in Section K of this permit. Any permit noncompliance constitutes a violation of this permit.

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

Q. Permit Transfer

Any transfer of this permit shall be accomplished by the submission of the proper forms for permit transfer to the Administrator. Transfer of this permit must first be approved by the Administrator and the Director. No transfer shall be approved unless the proposed permittee agrees to bring any and all noncompliance issues into compliance with this permit. The permittee is alone responsible for the operation of the facility covered by this permit. Sale of the facility and subsequent operation of this facility by another is a violation of this permit unless a transfer of this permit has first been accomplished.

R. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

S. Severability

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

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

March 24, 2008

Jim Skovard
Chaparral Gardens Mobile Home Park
4312 Link 53E
Kimball, NE 69145

RE: Chaparral Gardens Mobile Home Park
Final Permit **07-442**, Class V Septic System
Albany County, Wyoming

Dear Mr. Skovard:

Attached please find one copy of the Class V permit and corresponding reporting forms for the above referenced facility. This permit requires sampling on a semi-annual basis and reporting on an annual basis within 45 days of the end of each calendar year.

The permit application, draft permit, final permit, public notice, and report forms are available for review on the GEM website https://gem.trihydro.com

The underground injection control program was promulgated to prevent serious problems caused by direct discharges to the groundwater. Those problems included groundwater pollution leading to contamination in domestic water wells and serious health affects caused by exposures to toxic substances and water borne pathogens. Your cooperation with our program is sincerely appreciated.

If you have any questions please do not hesitate to contact me at (307) 777-5623 or by internet at jpasse@state.wy.us

Sincerely,

John A. Passehl, P.G.
UIC Geological Supervisor
Water Quality Division

JAP/rm/8-0233
Enclosures: Report Forms
Permit

cc: Paul Sorensen, P.E., Sorensen Consulting, LLC, 1901 Bear Court, Fort Collins, CO 80525
Kevin Frederick, WDEQ

Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

January 14, 2008

Dennis Hacklin, Mayor
Town of LaBarge
P.O. Box 327
LaBarge, Wyoming 83123

RE: LaBarge - Emergency Temporary Supplemental Water Treatment Pilot Plant- Permit Number 07-443R, NW1/4 Section 5, T26N, R112W, Lincoln County

Dear Mr. Hacklin:

The above application for coverage under General Permit to Construct a 200 gpm Ultrafiltration Membrane WesTech water treatment pilot plant consisting of surface water intake, raw water clearwell, raw water booster pump system, membrane filter system, 10,000 gallon chlorine contact tank and a 5,000 gallon disposal tank in accordance with Chapter 3, Section 7 and Chapter 12, Section 5 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Mark Baron

Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

xc: IPS, Cheyenne
Brent E. Crowther, P.E., Forsgren Associated, Inc., 350 North 2nd East, Rexburg, ID 83440
Dave Noel, P.E., Forsgren Associated, Inc., 350 North 2nd East, Rexburg, ID 83440
Mindy Mohr, US EPA, Region 8, 1595 Wynkoop St., Denver, CO, 80202

encl: General Permit for a Pilot Plant

Lander Field Office • 510 Meadowview Drive • Lander, WY 82520 • http://deq.state.wy.us

ABANDONED MINES (307) 332-5085 FAX 332-7726
AIR QUALITY (307) 332-6755 FAX 332-7726
LAND QUALITY (307) 332-3047 FAX 332-7726
SOLID & HAZARDOUS WASTE (307) 332-6924 FAX 332-7726
WATER QUALITY (307) 332-3144 FAX 332-3183

Dave Freudenthal, Governor

Department of Environmental Quality

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John Corra, Director

NOTIFICATION OF COVERAGE

July 17, 2007

Weldon Althoff
324 Fredrick Rd., Hwy 120
Thermopolis, WY 82443

RE: Althoff Small Wastewater Treatment Facility, Permit Number: 07-444, Section 4, T42N, R95W, Hot Springs County

Dear Mr. Althoff:

This project involves the installation of a septic tank and leachfield system to serve a three bedroom residence. The above application for coverage under General Permit to construct a gravity flow septic tank and leachfield has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations and is hereby approved provided.

Lee Campbell, Hot Springs County Planner, must be contacted at 307-864-2961 to schedule a construction inspection at least 24 hours prior to the beginning of construction. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

If you have any questions, please contact James Brough at 307-332-3144.

Sincerely,

James Brough

James Brough, P.E.
Environmental Engineer
Water Quality Division

xc: IPS, Cheyenne
Lee Campbell, Hot Springs County, 415 Arapahoe, Thermopolis, WY 82443 (w/enclosures)

encl: General Permit For a Small Wastewater Facility

Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 31, 2007

Mark & Debbie Mount
1185 US Hwy 20 North
Thermopolis, WY 82443

RE: Mount Small Wastewater Treatment Facility, Permit Number: 07-445, Section 4, T42N, R95W, Hot Springs County

Dear Mr. and Mrs. Mount:

This project involves the installation of a septic tank and leachfield system to serve a four bedroom residence. The above application for coverage under General Permit to construct a gravity flow septic tank and leachfield has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations and is hereby approved provided.

Lee Campbell, Hot Springs County Planner, must be contacted at 307-864-2961 to schedule a construction inspection at least 24 hours prior to the beginning of construction. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

If you have any questions, please contact James Brough at 307-332-3144.

Sincerely,

James Brough

James Brough, P.E.
Environmental Engineer
Water Quality Division

xc: IPS, Cheyenne
Curtis Rush, Hot Springs Backhoe Service, 320 Red Lane, Thermopolis, WY 82443
Lee Campbell, Hot Springs County, 415 Arapahoe, Thermopolis, WY 82443 (w/enclosures)

encl: General Permit For a Small Wastewater Facility

Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 20, 2007

Jeremy Cooper
2444 N. Yellowstone
Idaho Falls, ID 82401

RE: Jeremy Cooper, Small Wastewater Leachfield System - Permit Number 07-446, Lot 41,L-3, Rolling Hills First Addition, Kemmerer, Lincoln County

Location: A southwest addition located at SE1/4, Sec 22 Resurvey of T21N R 116 W, Lot 41-L-3 Rolling Hills First Addition, Kemmerer

Dear Jeremy Cooper:

The above application for coverage under General Permit to Construct a small wastewater treatment facility consisting of a 1000 gallon septic tank, 4 trench leach field 69 feet in length to serve a 3 bedroom home, in accordance with Chapter 3, Section 7 and Chapter11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Perry Roberson
Consulting Engineer
Water Quality Division

Mark Baron, P.E.
Southwest District Engineer

xc: IPS, Cheyenne
Thomas D. Crank, P.E. P.O. Box 365, Diamondville, WY 83101
Kent Slovernick, Public Works Director, 220 Wyoming Highway 233, Kemmerer, WY 83101
Ranch Homes, P. Todd Ritter, 2444 N. Yellowstone, Idaho Falls, ID 82401
encl: General Permit for Small Wastewater Treatment Systems

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 20, 2007

Craig Smith
2444 N. Yellowstone
Idaho Falls, ID 82401

RE: Craig Smith, Small Wastewater Leachfield System - Permit Number 07-447, Lot 28,L-2, Rolling Hills First Addition, Kemmerer, Lincoln County

Location: A southwest addition located at SE1/4, Sec 22 Resurvey of T21N R 116 W, Lot 28-L-2 Rolling Hills First Addition, Kemmerer

Dear Craig Smith:

The above application for coverage under General Permit to Construct a small wastewater treatment facility consisting of a 1000 gallon septic tank, 7 trench leach field 38 feet in length to serve a 3 bedroom home, in accordance with Chapter 3, Section 7 and Chapter11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

If you have any questions, please contact me at 307-332-3144.

Sincerely,

Perry Roberson
Consulting Engineer
Water Quality Division

Mark Baron, P.E.
Southwest District Engineer

xc: IPS, Cheyenne
Thomas D. Crank, P.E. P.O. Box 365, Diamondville, WY 83101
Kent Slovernick, Public Works Director, 220 Wyoming Highway 233, Kemmerer, WY 83101
Ranch Homes, P. Todd Ritter, 2444 N. Yellowstone, Idaho Falls, ID 82401
encl: General Permit for Small Wastewater Treatment Systems

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

January 11, 2008

David Quitter
P.O. Box 74
Saratoga, Wyoming 82331

RE: Battle Pass Lodge WasteWater Treatment Fac. #1 - Motel, Application # **07-448**
Location: NW¼, Section 29, T14N, R85W, Carbon County

Dear Mr. Quitter:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **20 room lodge / motel** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific conditions also apply:

1. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tanks** must be extended to the ground surface.

2. Inspection Required - The installation shall be inspected by the DEQ / Water Quality Division before the final cover is placed over the construction. To schedule an inspection call Ronald Ewald at (307) 777-6183 at least 3 days before the inspection is needed.

The approval granted under this Notification Of Coverage and the General Permit shall expire on January 11, 2011. Please reference Application Number **07-448** in any future correspondence.

If you have any questions, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald

Ronald L. Ewald, P.E.
Consulting Engineer
Southeast District, Water Quality Division

RLE/cs/8-0020

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Charles E. Bartlett, P.E., P.O. Box 1002, Saratoga, Wyoming 82331
Carbon County Planning Director, Lou Kline, 215 W. Buffalo Street, #304, P.O. Box 487, Rawlins, Wyoming 82301

07-448

This NOC was listed as 8-0020 but in the doc in it is actually 8-0023

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

January 11, 2008

David Quitter
P.O. Box 74
Saratoga, Wyoming 82331

RE: Battle Pass Lodge WasteWater Treatment Facility #2 – Bar & Restaurant,
Application # **07-449**
Location: NW¼, Section 29, T14N, R85W, Carbon County

Dear Mr. Quitter:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **mountain lodge bar & restaurant** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific conditions also apply:

1. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tanks** must be extended to the ground surface.

2. Inspection Required - The installation shall be inspected by the DEQ / Water Quality Division before the final cover is placed over the construction. To schedule an inspection call Ronald Ewald at (307) 777-6183 at least 3 days before the inspection is needed.

The approval granted under this Notification Of Coverage and the General Permit shall expire on January 11, 2011. Please reference Application Number **07-449** in any future correspondence.

If you have any questions, please contact me at (307) 777-6183.

Sincerely,

Ronald L. Ewald

Ronald L. Ewald, P.E.
Consulting Engineer
Southeast District, Water Quality Division

RLE/rm/8-0027

Enclosures: GENERAL PERMIT - Small Wastewater Facility: (with permit # 07-448)
Certificate of Completion

cc: IPS, Cheyenne
Charles E. Bartlett, P.E., P.O. Box 1002, Saratoga, Wyoming 82331
Carbon County Planning Director, Lou Kline, 215 W. Buffalo Street, #304, P.O. Box 487, Rawlins, Wyoming 82301

STATE OF WYOMING
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND INJECTION CONTROL PERMIT ISSUED UNDER
WYOMING WATER QUALITY RULES AND REGULATIONS
CHAPTER 16

CLASS V INJECTION WELL

( ) New
(X) Modified (Renewal)

Permit Number 07-450
Previous Permit 97-040
Facility Number WYS-011-005

In compliance with the Wyoming Environmental Quality act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a)(iv), Laws 1973, Ch. 250, Section 1) and Wyoming Water Quality Rules and Regulations, Chapter 16.

Applicant: National Park Service (Devil's Tower National Monument)
Attn: Rod Jahnig
P.O. Box 10
Devil's Tower, WY 82714-0010
(307) 467-5283

National Park Service, hereafter referred to as the permittee, is authorized to operate the existing septic system in the NE¼ of Section 13, Township 53 North, Range 66 West, of the 6th Principal Meridian, Crook County, according to the procedures and conditions of application 07-450 and requirements and other conditions of this permit.

This permit shall become effective on date of issuance.

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

6/25/08
Date

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

6/25/08
Date

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A. Discharge Zone

This injection facility (sanitary leach field system) is authorized to inject 3,000 gallons/day average, and 8,000 gallons/day maximum from a visitor center and adjacent buildings into the undifferentiated alluvial aquifer which is found within 50 feet of land surface.

B. Well and Area of Review

The injection well authorized by this permit is located as follows:

NE¼ of NE¼ of Section 13, Township 53 North, Range 66 West, 6th Principal Meridian

The Area of Review is defined as a circular area of 360 acres with the injection facility located near its center.

The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10	Years
Porosity	20	Percent
Maximum Injection Rate	8,000	GPD
Thickness of Receiver	50	Feet
Area of Review	360	Acres
Hydraulic Conductivity	10	Feet/Day

C. Groundwater Classification

The groundwater in the unconfined alluvial aquifer is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater in this formation is currently being used for domestic purposes at several nearby points of withdrawal. Ground water of Class I shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

The permittee is authorized to continue injecting 3,000 gallons/day average, and 8,000 gallons/day maximum, of wastewater into the existing injection well system. The wastewater is described as secondary treated domestic sewage.

If additional sewage flows are added beyond those identified in the permit application, the leach field and/or treatment system may need to be enlarged in which case the permittee must submit a revised application and receive a new permit prior to modification of the leach field or treatment system.

E. Hazardous Waste

This permit does not allow for the injection of any hazardous waste as defined in 40 CFR 261.3 and in Wyoming Solid Waste Management Rules and Regulations, Chapter 2. Injection of any substance defined as a hazardous waste, whether hazardous by listing or by characteristic is a violation of this permit.

F. Proper Operation and Maintenance

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes: effective performance, adequate funding, operator staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit. The injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapter 11 and Chapter 16.

The permittee is required to operate in accordance with statements, representations and procedures presented in the complete permit application and supporting documents as accepted and approved by the Administrator. Any modifications which will result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued. Injection into a well may not begin until construction is complete and the permit is approved.

G. Entry and Inspection

The permittee shall allow the Administrator (upon presentation of credentials and during normal working hours) to enter the premises where a regulated facility is located, or where records are kept under the conditions of this permit and inspect and photograph the discharge and related facilities, review and copy reports and records required by this permit, collect fluid samples for analysis, measure and record water levels, and perform any other function authorized by law or regulation.

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

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

2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from

the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.

3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.

4. Records of monitoring information shall include:

   a. The date, exact place, and time of sampling or measurements;
   b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
   c. The date(s) analyses were performed;
   d. The time(s) analyses were initiated;
   e. The initials or name(s) of the individual(s) who performed the analyses;
   f. References and written procedures for the analytical techniques or methods used;
   g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.

5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

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

7. The permittee shall report any noncompliance which may endanger health or the environment within 24 hours from the time the operator 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 ground waters of the state;
   c. A written submission shall be provided within 5 days of the time the operator 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.

8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.

9. The monitoring reports shall be submitted on forms provided by the Department. 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 45 days following each schedule date.

I. Requirements for Monitoring the Discharge

The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in **Table 2**. The following parameters shall be analyzed semi-annually by the listed methods and reported annually:

Table 2 (Semi-Annual Groundwater Sampling Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL
MW-4 MW-4A	Once prior to the end of each semi-annual period	Ammonia as N	SM 4500 NH_3 H	0.50 mg/L
		Chloride	SM 4500 CL B	250 mg/L
		Fecal coliforms	SM 9222D	0 colonies/100 Ml
		Nitrate	SM 4500 NO_3 E	10 mg/L
		Total Volume Injected	Flow meters	8,000 gpd
		Top of casing elevation (ft)	Casing elevation must be surveyed	Not applicable
		Depth to static water (ft)	Steel tape with chalk or electronic tape	Not applicable

*All applicable chemical concentrations in this permit are expressed as total (not dissolved) in mg/l unless otherwise noted.

All annual reports are to be reported within forty-five (45) days of the last day of the year. Sampling periods are identified as follows: 01/01-06/30, 07/01-12/31.

The above upper control limit (UCL) can not be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require notification under Section K of this permit. Failure to perform and report analyses in accordance with the prescribed schedule and method is also a violation of this permit.

J. Test Procedures

All samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All samples taken shall include a trip blank of distilled water for each sampling date and a duplicate sample at least once per year. All required analyses shall be conducted in compliance with Wyoming Water Quality Rules and Regulations, Chapter 8, Section 7.

K. Records and Reports

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

L. Permit Actions

This permit is issued for a period of ten (10) years. If the permittee wishes to continue injection after the expiration date of this permit, he shall apply to the Administrator prior to the expiration date of this permit. An expired permit continues in effect until a new permit is issued or the permit is terminated by the Administrator. It shall not be a defense for the permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. The filing of a request by the permittee, or at the instigation of the Administrator, for permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

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

1. Violation of this permit; or

2. Obtaining a permit by misrepresentation of facts in the application.

This permit will be reviewed at least once every five (5) years, and may be reviewed more frequently. A permit may be modified at any time as may be required, including for conformity with changes in regulations or standards which occur after the permit was issued. A permit may be modified in whole or part in order to apply more or less stringent standards; or prohibitions for toxic or other substances present in the permittees discharge as may be ordered by the Environmental Quality Council.

M. Abandonment

General Requirements:

1. The permittee shall notify the administrator at least thirty (30) days prior to abandonment of the facility.

2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this permit, or describing any deviations from the original plan, shall be submitted as soon as practicable after abandonment. The abandonment shall include reclamation of the well site.

3. Injection wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 16, Section 12.

N. Duties of the Permittee

The permittee shall give advance notice to the Administrator as soon as possible of any planned physical alteration or additions, other than authorized operation and maintenance, to the permitted facility and receive authorization prior to implementing the proposed alternation or addition. The permittee shall furnish the Administrator within a reasonable time any information which the Administrator may request to determine whether cause exists for modifying, revoking, or reissuing, or terminating this permit, or to determine compliance with this permit; and to furnish to the Administrator upon request, copies of records required to be kept by this permit. Any modification which may result in a violation of a permit condition shall be reported to the Administrator, and any modification that will result in a violation of any permit conditions shall be reported to the Administrator through the submission of a new or amended permit application. The permittee shall report all instances where he becomes aware that he failed to submit any relevant facts in the permit application, or where he submitted incorrect information in a permit application or in any report to the Administrator, and shall promptly submit such facts or information.

If any cultural materials are discovered during construction, work in the area should halt immediately. The Administrator and the Wyoming State Historic Preservation Office shall be contacted (777-7697) and the materials shall be evaluated by an archaeologist or historian meeting the Secretary of the Interior's Professional Qualification Standards (48 FR 22716, Sept. 1983).

O. Signatories Requirement

All reports filed in conjunction with this permit shall contain the following certification:

"I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel

properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

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

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

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

For a municipality, state, federal, or other public agency – by either a principal executive officer or ranking elected official; or

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

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

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

3. The written authorization is submitted to the Administrator.

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

P. Noncompliance

The permittee shall comply with all conditions of the permit. Any permit noncompliance constitutes a violation of Wyoming Water Quality Rules and Regulations, Chapter 16 and is grounds for enforcement action, permit termination, revocation, or modification. Conformed noncompliance resulting in an excursion shall be reported to the Administrator orally within twenty-four (24) hours, and a written submission shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written report shall contain the sections specified in Section K of this permit. Any permit noncompliance constitutes a violation of this permit.

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

Q. Permit Transfer

Any transfer of this permit shall be accomplished by the submission of the proper forms for permit transfer to the Administrator. Transfer of this permit must first be approved by the Administrator and the Director. No transfer shall be approved unless the proposed permittee agrees to bring any and all noncompliance issues into compliance with this permit. The permittee is alone responsible for the operation of the facility covered by this permit. Sale of the facility and subsequent operation of this facility by another is a violation of this permit unless a transfer of this permit has first been accomplished.

R. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

S. Severability

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

JP/bb/8-0498

Dave Freudenthal, Governor

Department of Environmental Quality

To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

John Corra, Director

June 24, 2008

National Park Service (Devil's Tower National Monument)
Attn: Rod Jahnig
P.O. Box 10
Devil's Tower, WY 82714-0010

RE: National Park Service (Devil's Tower National Monument)
Final Permit 07-450, Class V Septic System
Crook County, Wyoming

Dear Mr. Jahnig:

Attached please find one copy of the Class V permit for the above referenced facility. This permit requires sampling on a semi-annual basis and reporting on an annual basis within 45 days of the end of each calendar year.

The permit application, draft permit, final permit, public notice, and report forms are available for review on the GEM website https://gem.trihydro.com. The corresponding report forms can be filled out using our on-line webform (Monitor Reports Link), or one may have the lab submit them using EQUIS Electronic Data Deliverable (EDD).

The underground injection control program was promulgated to prevent serious problems caused by direct discharges to the groundwater. Those problems included groundwater pollution leading to contamination in domestic water wells and serious health affects caused by exposures to toxic substances and water borne pathogens. Your cooperation with our program is sincerely appreciated.

If you have any questions please do not hesitate to contact me at (307) 777-5623 or by internet at jpasse@.wyo.gov

Sincerely,

John A. Passehl, P.G.
UIC Geological Supervisor
Water Quality Division

JP/bb/8-0498
Enclosures: Permit
c: Kevin Frederick, WDEQ