



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

AW

June 02, 2009

Fred Trujillo
72 Blue Rim Road
Green River, WY 82935

RE: Fred Trujillo Water Service Line WDEQ #08-651

Dear Mr. Trujillo:

The permit application materials for the Fred Trujillo Water Service Line are being returned to the owner because 6 months has elapsed since my review letter of November 20, 2008. According to Chapter 3 of the Water Quality Rules and Regulations Section 9(a)(B), if an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned.

Our Records indicate that a written review was done on the following project. A copy of this review was sent to you, requesting additional information. The requested, information, necessary to process this application has not yet been received by the Department of Environmental Quality. The specific information for your proposed project is as follows:

Facility Name: Service Line to Trujillo Residence
DEQ/WQD Reference Number: #08-651
DEQ/WQD Reviewing Engineer: Perry Roberson, Consulting Engineer
Date of DEQ/WQD Review: November 20, 2008

The construction, installation, or modification of any sewerage system, treatment works, disposal system including septic systems, or other facility capable of causing or contributing to pollution, or public water supply system including water mains, water wells, water services greater than 2-inch in diameter or other facilities without a Permit to Construct, is a violation of Wyoming State Statute 35-11-301.



If you have any questions regarding my review comments or this letter, please contact me at 307-335-6978.

Sincerely,

A handwritten signature in black ink, appearing to read "Perry Roberson". The signature is fluid and cursive, written over a light background.

Perry Roberson, Consulting Engineer
WQD/Southwest District
pdr

Enclosure: Permit Application Package 08-651

xc:

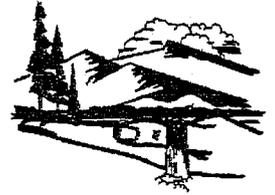
Mark Baron P.E., Southwest District Engineer
Clarence S. Kemp, Forsgren Associates, Inc.

IPS

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Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 16, 2008

Foley J. Johnson
Opsco Energy Ind.
P.O. Box 1563
Pinedale, WY 82941

RE: Opsco Energy Small Wastewater System - Sand Draw Phase II Lot 61-
Permit Number 08-655R, NE ¼ NW ¼ Section 5, T30N, R107W, Sublette
County

Dear Mr. Johnson:

The above application for coverage under General Permit to Construct a conventional wastewater treatment and disposal system to serve a new 20 person commercial business building with a 48 Quick 4 infiltrator unit leach field and a 1200 gallon wash water holding tank has been reviewed and is hereby approved. You are authorized to construct the facilities 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, P.E.
Southwest District Engineer
Water Quality Division

xc: IPS, Cheyenne

Jason Zakotnik, P.E., WLC Engineering, P.O. Box 1519, Pinedale, Wyoming 2941
Keith Raney, Sublette County Environmental Health, P.O. Box 722, Pinedale, WY 82941

Encl: General Permit for a Small Waste Water System



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

Public Water System Number 5600006

PERMIT NO. 08-656RR

Bedford Water and Sewer District Well Upgrade

This permit hereby authorizes the applicant:

Kelly Heiner, Chairman
Bedford, Wyoming Water and Sewer District
P.O. Box 4144
Bedford, Wy 83112

to replace the existing Bedford well pump with a larger VFD controlled well pump with appurtances to include replacement of the standby chlorine addition system with a liquid hypochlorite unit; according to the procedures and conditions of the application number 08-656RR. The facility is located near Bedford in Star Valley at NE of NW¼ Section, Sec 32 T34N R118W; in the county of Lincoln, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by January 13, 2011.

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.

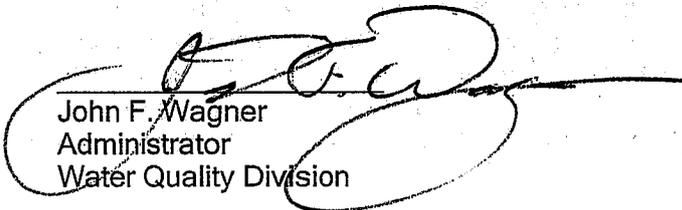
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

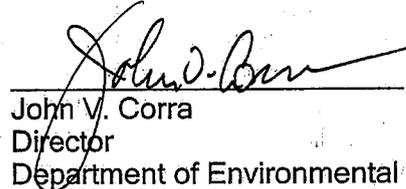
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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), Southwest 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 Southwest 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

1/14/09
Date of Issuance

PDR/rm/9-0028

STATEMENT OF BASIS

1. Permit Number: 08-656RR
2. Application reviewed for compliance with the following regulations:
Chapters 3, 11 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?

No.

The permit is granted upon condition that planned construction of finished water storage will be completed by January 13, 2010. In the event the storage tank is not constructed, alternative power for the well pump will be provided. A safety eyewash and shower station will be added with the addition of a standby hypochlorite unit.
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.

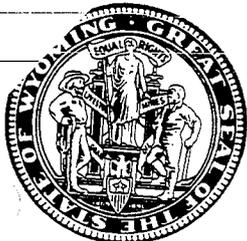
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.

NA
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 Perry Roberson, prober2@Wyo.gov, Consulting Engineer, approved by Mark Baron P.E. Southwest District Engineer and completed on January 13, 2009. 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: Clarence Kemp, P.E., Forsgren Associates, 849 Front Street #201, Evanston, WY 82930



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

November 19, 2008

Richard Elliot
City of Laramie, Public Works Department
P.O. Box C
Laramie, WY 82073

RE: UIC 08-657, WYS-001-00094, Aquifer Storage and Recovery 5B6
Class V injection well application, Albany County

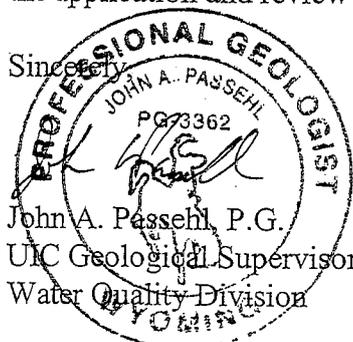
Dear Mr. Elliot:

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 September 22, 2008 and has until November 22, 2008 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,



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

JP/bb/8-0918

Attachments: WDEQ Comments

c: Jehn Water Consultants, Inc., Attn: Theresa Jehn-Dellaport, 1565 Gilpin Street, Denver, CO 80218
Jodi Pavlica, Wyoming Water Development Commission
Kevin Frederick, WDEQ
Pete Vogel, WDEQ



I. **WDEQ Comments:**

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

1. Please provide information that indicates what (if any) metals may be bound within the Casper formation. If metals are present, laboratory testing of Casper formation rocks (obtained from cores or outcrops) with the injectate would be appropriate to ensure metals will not be dissolved into the aquifer.
2. Please provide information that indicates injection of chlorinated water will not cause a build-up of disinfection by-products in the drinking water supply such as trihalomethanes.
3. Please provide information that indicates surface water pathogens will be eliminated prior to injection. Chlorination alone may not kill all cryptosporidium and other pathogens associated with surface waters.
4. Please address all requirements identified in Chapter 16, Section 6(c)(iv) to determine the extent of any affected groundwater around the injection well. The area of review is commonly calculated for the length of the permit which is 10 years. It is recommended that particle tracking be used to display 1 year, 5 year, and 10 year particle tracks for this injection well.
5. Please clearly identify all wells listed in **Table 1** of the report within the calculated area of review identified above that could be affected by this injection.
6. With regard to the ground water model, please provide the following:
 - a. Study objectives
 - b. Conceptual model (aquifer system framework, ground water flow system, hydrologic boundaries, hydraulic properties, sources and sinks, water budget)
 - c. Boundary conditions
 - d. Selection of calibration targets
 - e. Residual and sensitivity analysis
 - f. Model assumptions and limitations
 - g. Model predictions
7. Please provide a sampling and analysis plan as required in Chapter 16, Section 11(b),(e). Additionally, please identify which wells will be used for monitoring the injectate.
8. Please provide a mechanical integrity testing plan for the well.
9. It is recommended that you review the Laramie County Community College heat pump injection well permit for additional technical information beneficial to this application.

10. Please provide a statement and describe how all injection and monitoring wells will be (have been) constructed, plugged, and abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G.
11. Will the injection be via pressure or via gravity and hydrostatic head? If under pressure, the fracture gradient of the Casper formation will need to be determined.
12. Please provide estimated quantities and times of year when source water is available for recharge.
13. Please provide the proposed rate of injection and withdrawal for anticipated length of the pilot project and long term use.

JP/bb/8-0918



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John Corra, Director

NOTIFICATION OF COVERAGE

November 4, 2008

Rich Elliott, Public Works Director
PO Box C
Laramie, WY 82072

RE: CITY OF LARAMIE Flushing Valves & Transmission Lines,
Application No. **08-658**, Albany County

Dear Rich Elliott:

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 or Existing Sewage Collection Systems described as installing a flushing station for the 20" and 24" transmission lines serving the City of Laramie, Section 15 T14N R76W; Albany 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 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 November 4, 2010.

All newly constructed pipe in the flushing station needs to be disinfected. More specifically, the pipe located between the tapping valves (10" and 8") and the 12" HP butterfly valve. Disinfection can be accomplished by using the residual chlorine in existing waterlines. The water needs to remain in the flushing station lines for 24 hours. After 24 hours have passed, the water in the flushing station lines needs to be tested to see if there is any residual chlorine. If there is residual chlorine remaining in the flushing station, the lines are disinfected. However, if there is no residual chlorine remaining in the flushing station lines, the lines need to be flushed and the process completed again until the lines can be tested to show they have residual chlorine remaining in the lines.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **08-658** in any future correspondence.

If you have any questions, please contact me at 307-777-7075.

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/8-0858

cc: IPS, Cheyenne
Ed Nowak, Camp Creek Engineering, 410 E. Grand Avenue, Laramie, WY 82070

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 16, 2008

Jeffrey Pecenka
Cheyenne BOPU
2406 Snyder Avenue
Cheyenne, WY 82003

RE: West Lincolnway Phase IV Water Line Extension
Application No. **08-659**

Dear Mr. Pecenka:

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 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 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.

The approval granted under this Notification Of Coverage and the General Permit shall expire on October 1, 2010. Please reference Application Number **08-659** in any future correspondence.

If you have any questions, please contact me at (307) 777-6371.

Sincerely,

Brian Mark
Staff Engineer
Water Quality Division

BDM/rm/8-0812

Enclosures: GENERAL PERMIT - Extensions/Modifications of Existing Public Water
Supply Distribution Systems
Certificate of Completion form

cc: Rich Cripe, DEQ/WQD SE District Engineer, Cheyenne

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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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 (Renewal)

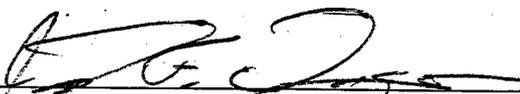
Permit Number 08-660
Facility Number WYS-039-00121

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: Camp Davis (University of Michigan)
Attn: Todd Cielielski
326 E. Hoover Avenue, Mail Stop B
Ann Arbor, MI 48109-1002
(734) 764-3414

Camp Davis (University of Michigan), hereafter referred to as the permittee, is authorized to operate the proposed septic system in the NE $\frac{1}{4}$ of the NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 5, Township 38 North, Range 115 West, of the 6th Principal Meridian, Teton County, according to the procedures and conditions of application 08-660 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

5/18/09

Date



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

5/18/09

Date

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A. Discharge Zone

This injection facility (sanitary leach field system) is authorized to inject 1,000 gallons/day maximum from 20 new faculty cabins 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:

NE $\frac{1}{4}$ of NE $\frac{1}{4}$ of the SE $\frac{1}{4}$ of Section 5, Township 38 North, Range 115 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	1,000	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 inject 1,000 gallons/day maximum of wastewater into the proposed 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-1 MW-2 PWS140735	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 (public water supply well only)	SM 9222D	0 colonies/100 Ml
		Nitrate	SM 4500 NO ₃ E	10 mg/L
		Total Volume Injected	Flow meters	1,000 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) cannot 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. The operator must renew this permit prior to the expiration date if he/she wishes to inject after the expiration date of the permit. Under this permit, the Department may consider injection after the expiration date a violation of the permit. 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 alteration 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.

AN/bb/9-0394

STATEMENT OF BASIS FOR A UIC PERMIT

- I. General information.
- A. UIC Permit Number: 08-660
- B. Facilities Covered: Camp Davis (University of Michigan)
- C. Class of Facility: Class V (Wyoming Water Quality Rules and Regulations, Chapter 16)
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section)
- | | | | |
|---------------|-----|---------------|-----|
| A. Chapter 8 | Yes | D. Chapter 12 | No |
| B. Chapter 9 | No | E. Chapter 13 | No |
| C. Chapter 11 | Yes | F. Chapter 16 | Yes |
- III. Basis for issuing permit (Indicate yes or no for each section).
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
Yes
- B. Permit based on deviation from applicable regulations in accordance with approved policy statement.
No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation).
Not Applicable
- V. Application requires review to determine groundwater impacts in accordance with Wyoming Water Quality Rules and Regulations, Chapter 3, Section 17. Note that sediment ponds, public water supplies, sewerage systems, and small wastewater systems are exempt from the requirements of Section 17. (Indicate either applicable or not applicable. If not applicable delete all of section VI from the Statement of Basis).
Applicable. A groundwater review has been conducted to insure that no groundwater will be impacted by this system.
- VI. Documentation of Statement of Basis.
- A. The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.
- VII. Applicant and Public Participation
- A. The applicant has been provided with a draft permit prior to the permit being issued.

- B. A Public Notice has been issued with a public notice period starting April 2, 2009 and ending on May 2, 2009 (30 day notice as required by Wyoming Water Quality Rules and Regulations, Chapter 16). This notice was published in the Jackson Hole News and Guide on or before the start of the public comment period.

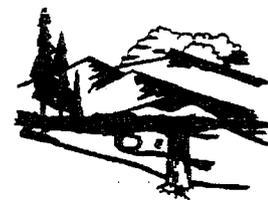
CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6. This review was performed by Adrienne D. Nunn, Engineering Consultant, and completed on March 23, 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".

AN/bb/9-0394



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

May 19, 2009

Todd Ciesielski
326 E. Hoover Ave, Mail Stop B
Ann Arbor, MI 48109-1002

RE: Camp Davis (University of Michigan)
Permit 08-660, Class V Septic System
Teton County, Wyoming

Dear Mr. Ciesielski:

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 you 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) 777-6428, anun@wyo.gov or at the address listed below.

Sincerely,

Adrienne Nunn, EIT
Engineering Consultant
Water Quality Division

ADN/rm/9-0398

Enclosures: Permit

cc: Nelson Engineering, Dave Dufault, P.E., P.O. Box 1599, Jackson, WY 83001
Kevin Frederick, WDEQ

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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Department of Environmental Quality



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Dave Freudenthal, Governor

RS1

John Corra, Director

April 1, 2009

Nelson Engineering
Attn: Philip Gyr, P.E.
P.O. Box 1599
Jackson, WY 83001

RE: Camp Davis (University of Michigan)
Draft Permit 08-660, Class V Septic System
Teton County, Wyoming

Dear Mr. Gyr:

The Camp Davis (University of Michigan) has submitted an application for a permit of a large septic system that injects into the alluvial aquifer located in Section 5, T38N, R115W. This agency has written a Draft Permit which is enclosed.

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

Please review this application and submit your comments within the next 45 days.

Sincerely,

Adrienne D. Nunn
Engineering Consultant
Water Quality Division

ADN/rm/9-0258

Enclosure: Draft Permit
c: Todd Ciesielski, 326 E. Hoover Ave, Mail Stop B, Ann Arbor, MI 48109-1002



STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

- A. UIC Permit Number: **08-660**
- B. Facilities Covered: Camp Davis (University of Michigan)
- C. Class of Facility: Class V (Wyoming Water Quality Rules and Regulations, Chapter 16)

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

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

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

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

Yes

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

No

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

Not Applicable

- V. Application requires review to determine groundwater impacts in accordance with Wyoming Water Quality Rules and Regulations, Chapter 3, Section 17. Note that sediment ponds, public water supplies, sewerage systems, and small wastewater systems are exempt from the requirements of Section 17. (Indicate either applicable or not applicable. If not applicable delete all of section VI from the Statement of Basis).

Applicable. A groundwater review has been conducted to insure that no groundwater will be impacted by this system.

VI. Documentation of Statement of Basis.

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

VII. Applicant and Public Participation

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

- B. A Public Notice has been issued with a public notice period starting April 2, 2009 and ending on May 2, 2009 (30 day notice as required by Wyoming Water Quality Rules and Regulations, Chapter 16). This notice was published in the Jackson Hole News and Guide on or before the start of the public comment period.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6. This review was performed by Adrienne D. Nunn, Engineering Consultant, and completed on March 23, 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".

ADN/rm/9-0258



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

April 1, 2009

Wendy Cheung
USEPA, Region VIII
1595 Wynkoop Street
Denver, Colorado 80202-1129

RE: Camp Davis (University of Michigan)
Draft Permit 08-660, Class V Septic System
Teton County, Wyoming

Dear Ms. Cheung:

The Camp Davis (University of Michigan) has submitted an application for a permit of a large septic system that injects into the alluvial aquifer located in Section 5, T38N, R115W.

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

Please review this application and submit your comments within the next 45 days.

Sincerely,

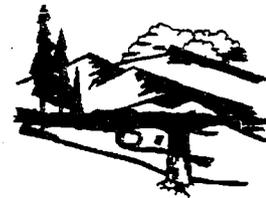
Adrienne D. Nunn
Engineering Consultant
Water Quality Division

ADN/rm/9-0258





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

April 1, 2009

Rick Huber
Wyoming Game and Fish Department
5400 Bishop Blvd.
Cheyenne, WY 82002

RE: Camp Davis (University of Michigan)
Draft Permit 08-660, Class V Septic System
Teton County, Wyoming

Dear Mr. Huber:

The Camp Davis (University of Michigan) has submitted an application for a permit renewal of a large septic system that injects into the alluvial aquifer located in Section 5, T38N, R115W.

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

Please review this application and submit your comments within the next 45 days.

Sincerely,

Adrienne D. Nunn
Engineering Consultant
Water Quality Division

ADN/rm/9-0258





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

April 1, 2009

Sara Needles
State Historic Preservation Office
2301 Central Avenue
Barrett Building, 3rd Floor
Cheyenne, WY 82002

RE: Camp Davis (University of Michigan)
Draft Permit 08-660, Class V Septic System
Teton County, Wyoming

Dear Ms. Needles:

The Camp Davis (University of Michigan) has submitted an application for a permit renewal of a large septic system that injects into the alluvial aquifer located in Section 5, T38N, R115W.

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

Please review this application and submit your comments within the next 45 days.

Sincerely,

Adrienne D. Nunn
Engineering Consultant
Water Quality Division

ADN/rm/9-0258





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

April 1, 2009

Lisa Lindemann
Wyoming State Engineer's Office
122 West 25th Street
Cheyenne, Wyoming 82002

RE: Camp Davis (University of Michigan)
Draft Permit 08-660, Class V Septic System
Teton County, Wyoming

Dear Ms. Lindemann:

The Camp Davis (University of Michigan) has submitted an application for a permit renewal of a large septic system that injects into the alluvial aquifer located in Section 5, T38N, R115W.

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

Please review this application and submit your comments within the next 45 days.

Sincerely,

Adrienne D. Nunn
Engineering Consultant
Water Quality Division

ADN/rm/9-0258

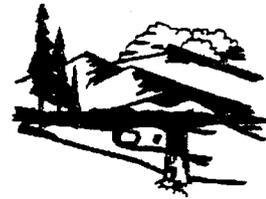
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 5, 2008

John Lawson
Bureau of Reclamation
P.O. Box 1630
Mills WY 82644-1630

RE: Guernsey State Park New Superintendent Residence's Septic/ Leach Field
Application No. **08-661**, Platte County

Dear John Lawson:

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 described as a septic tank and leach field located in the NW¼ Section 27 T27N R66W Platte 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 small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Please complete and return the enclosed Certificate of Completion. All construction, installation, or modification allowed by this notification of coverage shall be completed by November 4, 2010. Please reference Application No. **08-661** in any future correspondence.

If you have any questions, please contact me at 307-777-7075.

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/8-0861

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Darin J. Westby, WY State Parks, 2301 Central Ave, Cheyenne, WY 82002
Platte County Planner, Marlin Johnson, P.O. Box 728, Wheatland, Wyoming 82201

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 08-665

City of Casper - Zone 3 Water System Improvements
PWS# WY5601415

This permit hereby authorizes the applicant:

City of Casper
200 North David Street
Casper, Wyoming 82601

to construct, install or modify a new 400,000 gallon water storage tank, a new 2200 gpm booster pump station, and 12" PVC water transmission lines in Casper's Zone 3 pressure zone, according to the procedures and conditions of the application number 08-665. The facility is located in southwest Casper in the area of Poplar St. and Wyoming Blvd, in SE1/4 Section 5, NE1/4 Section 29, and NW1/4 Section 28, all in Township 33 North, Range 79 West, in the County of Natrona, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2010.

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.

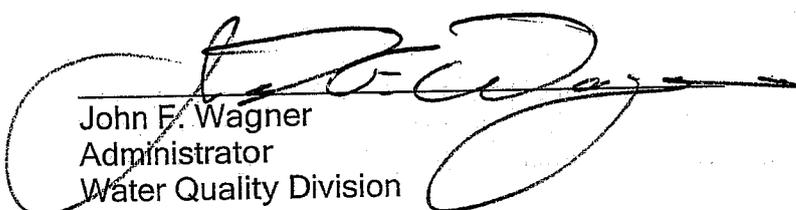
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

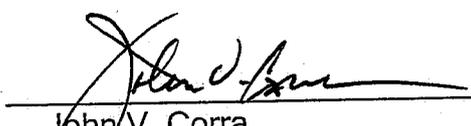
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 Northeast 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 Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.
- 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

2/20/09
Date of Issuance

KJF/rm/9-0131

STATEMENT OF BASIS

1. Permit Number: 08-665
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?
Yes
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.
Not applicable
 - b. Briefly state the basis for the deviation.
Not applicable
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, Engineering Consultant, and completed on February 18, 2009. 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
STATEWIDE PERMIT TO CONSTRUCT

PERMIT NO. 08-666

REFERENCE PERMIT NO. 06-718

Barium Removal Treatment Process Using TBEC CLEANSWEEP
for CBM Produced Water

This permit hereby authorizes the applicant:

Bill Barrett Corporation
1414 Lincoln Street
Gillette, Wyoming 82716

to construct, install or modify, and operate a Barium Removal Treatment process Using TBEC, INC. CLEANSWEEP- acid injection for CBM produced water (General permit # 06-718) according to the procedures and conditions of the application number 08-666. The facility is located STATEWIDE in the State of Wyoming.

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:

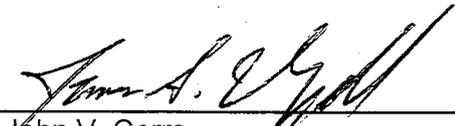
- 1 of 9 The applicant will provide immediate oral or written notice to the CBM / Oil and Gas Group, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, WY 82601, Phone 307-473-3465, FAX 307-473-3458 in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 9 The applicant will provide written notice to the CBM / Oil and Gas Group, Water Quality Division providing the location and other applicable information 60 days prior to constructing/operating a facility.
- 3 of 9 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the CBM / Oil and Gas Group, Water Quality Division on the form provided (CERTIFICATION OF COMPLETION), the following information:
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.
- 4 of 9 This process is only approved for the treatment of barium for CBM produced water from the Powder River Basin that requires such treatment and where the process will not increase other constituents above discharge limits.
- 5 of 9 The applicant shall provide the CBM / Oil and Gas Group, Water Quality Division with the information regarding disposal of any waste generated by the process at a DEQ approved facility.
- 6 of 9 During the first two months of operation of a new plant, the applicant will monitor operation of the facilities at least three times a week. After two months, if the operation of the facilities is within the stated operational parameters, monitoring will be conducted weekly.
- 7 of 9 An operation and monitoring report will be submitted to the CBM / Oil and Gas Group, Water Quality Division **monthly** for the first two months of operation. If after two months, the facility is operating within stated parameters, operation and monitoring reports may be submitted quarterly. The operation and monitoring reports will include, at a minimum, influent water quality, amount of water treated at each location, other operational information, waste disposal, and effluent water quality.

8 of 9 Following completion of treatment, the treatment plant and all associated structures will be reclaimed to the satisfaction of the land owner.

9 of 9 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

10-23-08
Date of Issuance

JDL/KJM/rm/8-0825
cc: WDEQ Casper Field Office

STATEMENT OF BASIS

1. Permit Number: 08-666
2. Application reviewed for compliance with the following applicable regulations :
 - a. Chapter 11.
 - b. The STATEWIDE permit is based on completion of the Pilot Project permits# 06-718
3. Does the permit comply with all applicable regulations identified above?

Yes

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

- a. Not required.

Documentation of Statement of Basis.

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

CERTIFICATION

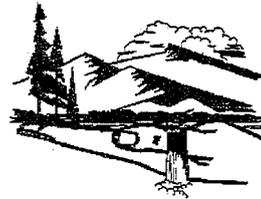
The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Dennis Lamb, CBM / Oil and Gas Group Manager, and Kim Medina, Geological Environmental Analyst, and completed on October 21, 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."



Department of Environmental Quality

Dave Freudenthal, Governor

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

October 20, 2008

Kenneth T. Quintiliani
1805 Gulch Street
Cody, WY 82414

RE: Qunitiliani Sewer Line Extension, Permit Number: 08-668, NW ¼, Section 1, T52N, R102E, Park County

Dear Mr. Quintiliani:

This project involves the installation of 375 linear feet of 8-inch sewer line and one manhole to serve the Quintiliani parcels. This 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.

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, P.E.
Northwest District Engineer
Water Quality Division

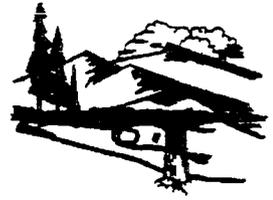
xc: Roy R. Holm, P.E., Holm, Blough, & Company, 1402 Stampede Ave., Cody, WY 82414
Stephen Payne, P.E., City of Cody, P.O. Box 2200, Cody, WY 82414
IPS, Cheyenne

encl: General Permit For an Existing Sewage Collection 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

November 17, 2008

Ronald Neal
P.O. Box 1316
Saratoga, WY 82331

RE: Neal Residential Septic System,
Location: SW¼, Section 5, T16N, R83W,

Application No. **08-677**
Carbon County

Dear Mr. Neal:

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, 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.

The approval granted under this Notification Of Coverage and the General Permit shall expire on November 17, 2010. Please reference Application Number **08-677** in any future correspondence.

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

Sincerely,

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

RLE/rm/8-0898

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Kent Smith, P.O. Box 684, Saratoga, Wyoming 82331
Carbon County Acting Planning Director, Kristy Rowan, Carbon Building, 215 West
Buffalo Street, Suite 336, Rawlins, Wyoming 82301

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





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: New water lines, sewer lines and sewer lift station for Bow River subdivision
ENGINEER: Aspen – Banner Engineering
APPLICANT: Town of Medicine Bow

WATER QUALITY DIVISION REFERENCE NUMBER: 08-671
REVIEWING ENGINEER: Richard R. Cripe
DATE OF REVIEW: November 6, 2008

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. The design report needs to address current and projected system water demands (see **Chapters 12, Section 6.b.ii**) for average day, maximum day, maximum hour, needed fire flows and per capita maximum daily flows. **The design report does not address projected system water demands.**
2. **Chapter 12, Section 14 b i.** The system shall be designed to maintain a minimum pressure of 20 psi (138 kPa) at ground level at all points in the distribution system under all conditions of flow. The normal working pressure in the distribution system shall be not less than 35 psi (276 kPa). **The type of fire hydrants used was not specified.** A default fire hydrant has a 4 1/2" nozzle and 2 each- 2 1/2" nozzels. This type of fire hydrant is not acceptable with current fire flow demands. **A fire hydrant that has only 2 each- 2 1/2" nozzles is acceptable.**
3. **The specifications or plans need to have a cross connection control statement that states it meets Chapter 12 DEQ Regulations. Please specify the type of backflow prevention device.**
4. The note on the title sheet of the plans does not specify which edition of the Wyoming Public Works Standard Specifications will be used for this project.
5. Is the size of the submersible pumps in the sewage lift station correct? **Please provide the pump curves and the calculations used to determine the size of these pumps.**

RRC/bb/8-0871

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 08-671

Bow River Water and Sewer Improvements
PWS WY5600034

This permit hereby authorizes the applicant:

Town of Medicine Bow
319 Pine Street
P.O. Box 156
Medicine Bow, WY 82329

to construct, install or modify a lift station, a new 8 inch water line, a new 8" sanitary sewer, new manholes and new fire hydrants according to the procedures and conditions of the application number 08-671. The facility is located in SW ¼ SE ¼ Section 5 and NE ¼ Section 8, T22N R78W; Albany County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed June 5, 2011.

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.

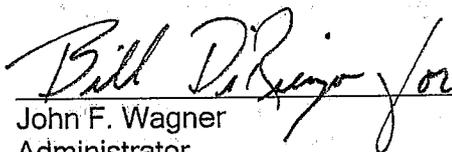
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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.

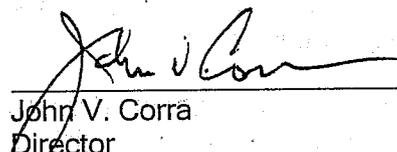
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7075, FAX 307-777-7610, 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 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 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 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

Date of Issuance 6/11/09

RRC/rm/9-0476

STATEMENT OF BASIS

1. Permit Number: **08-671**
2. This application was reviewed for compliance with the applicable regulations ;
Chapters 3, 11, and 12
3. Does the permit comply with all applicable regulations identified above?
Yes
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.

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

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

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 Richard Cripe, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on June 5, 2009. 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."

ROAD APPLICATION PERMIT

X New
 Renewal
 Modified

PERMIT NO. 08-672
SPECIAL CONDITIONS
REFERENCE PERMIT NO. 03-435

Camp Guensey Road Application of Petroleum Contaminated Soils

This permit hereby authorizes the applicant:

Wyoming Army National Guard Training Site
Building 15, P.O. Box 399
Camp Guernsey, WY 82214

to road apply minor petroleum contaminated soil quantities and wash rack solids until October 30, 2013 at Section 35 T27N R66W according to the procedures and conditions of application number 08-672. The application site is located in Section 35 T27N R66W in the county of Platte, in the State of Wyoming. This permit shall be effective until October 30, 2013.

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 standards. Compliance with DEQ standards is the responsibility of the permittee, owner, and/or operator.

Nothing in this permit constitutes an endorsement by the DEQ of the disposal method described herein. This permit verifies only that the submitted application meets the 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 of, the permitted activity. The permittee, owner and/or operator are solely responsible for any liability arising from the waste disposal permitted. 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.

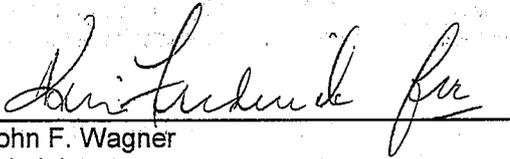
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

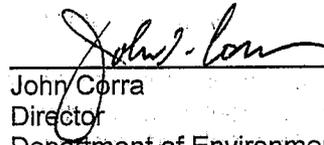
- 1 of 7 Section 9, Chapter III, Wyoming Water Quality Rules and Regulations requires notification of DEQ for any changes or modifications to the approved permit package. The permittee shall provide immediate verbal or written notice to the Southeast District Engineer, Wyoming DEQ/WQD, 122 West 25th Street, Cheyenne, WY 82002, phone 307-777-7075.
- 2 of 7 The permittee shall maintain records available to the Department of Environmental Quality that include:
 - a. Date that the road application was completed; and
 - b. Certification the road application was completed with changes or modifications. Maintain the information necessary to clearly indicate the road application as actually performed. This information shall include a contour map depicting only those sections of road that actually received minor petroleum contaminated soil quantities and wash rack solids.

- 3 of 7 The review and approval of this permit is based upon the items identified in the attached Statement of Basis.
- 4 of 7 The minor petroleum contaminated soil quantities and wash rack solids shall be applied uniformly and incorporated into the road bed. Application shall not be initiated during the spring runoff period or at times saturated soil conditions exist. Applications shall not be applied when the road surface is frozen.
- 5 of 7 The application site slope shall not exceed eight percent (8%.)
- 6 of 7 Application shall be terminated within 300 feet of the definable high-water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
- 7 of 7 Only the roads designated in this permit are authorized for application of the minor petroleum contaminated soil quantities and wash rack solids. Additional or alternate sections of road meeting the requirements of the application and this permit may be utilized if a written description and maps are received and approved by the WQD.

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John Corra
Director
Department of Environmental Quality

10-31-08

Date of Issuance

RRC/rm/8-0851

cc: Doug C. Shope
Wyoming Army National Guard
5500 Bishop Boulevard
Cheyenne WY 82009-3320

STATEMENT OF BASIS

- I. General information.
 - A. Permit Number: PERMIT NO.08-672, REFERENCE PERMIT NO. 03-435
- II. Application reviewed for compliance with Chapter 11.
- III. Basis for issuing permit. **The permit is based on deviation from applicable regulations in accordance with approved policy statement.**
- IV. Facilities not specifically covered by regulations.
 - A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
There are no numeric standards or criteria in Chapter XI for road application. W.S. 35-11-301 (a)(iii) requires a permit to be issued when any disposal system capable of causing or contributing to pollution is constructed, installed, modified, or operated.
 - B. Briefly state the basis for the deviation.
Road application is permitted when DEQ authorized disposal facilities are not readily available, a beneficial use of the waste to be applied is possible, and significant impact to waters of the State is minimized.
 - C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).
District Policy numbers 10.1 (4/9/91), 10.2 (10/17/86), 10.3 (8/91), 10.4 (10/24/91), and 10.6 (1/18/91) address the statutory authority to regulate the road application of waste, establish criteria for characterizing the waste, and determine acceptable conditions for the application of the waste to roadbeds to minimize impact to waters of the State.
- V. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.
The opportunity for direct or indirect discharge, percolation, or filtration to groundwater is minimized by uniformly applying the minor petroleum contaminated soil quantities and wash rack solids onto the roadbed. Repeated applications on the same sections of road will be monitored by roadbed analyses.
- VI. 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 Richard R. Cripe PE, Wyoming DEQ/WQD Southeast District Engineer and completed on October 30, 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. 08-673

REFERENCE PERMIT NO. 04-056

Wyoming Army National Guard Road Application of ROWPU Water

This permit hereby authorizes the applicant:

Wyoming Army National Guard
Building 15, P.O. Box 399
Guernsey, WY, 82214

to conduct road application of brine water from reverse osmosis water purification units according to the procedures and conditions of the application number 08-673. The facility is located in Sec. 35 T27N R66W in the county of Platte, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 30, 2013.

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.

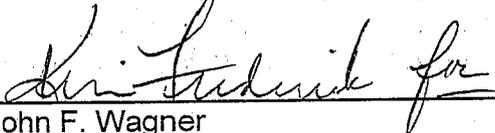
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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.

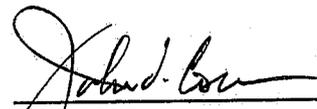
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 3 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7075, 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 Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 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

10-31-08

Date of Issuance

RRC/rm/8-0850

cc: Doug C. Shope
Wyoming Army National Guard
5500 Bishop Boulevard
Cheyenne WY 82009-3320

STATEMENT OF BASIS

Permit Number: 08-673

Application reviewed for compliance with the following applicable regulations :

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

Does the permit comply with all applicable regulations identified above?

Yes

Road application of acceptable wastes are protective of the groundwater.

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

Documentation of Statement of Basis: The archive file for this permit 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 Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Richard R. Cripe PE, Southeast District Engineer, rcripe@wyo.gov and completed on October 30, 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. 08-674

Green River - FMC Park Road - Water & Sewer Main Extension

This permit hereby authorizes the applicant:

City of Green River
Mike Nelson
50 East 2nd North
Green River, WY 82935

to construct 705 feet of 12-inch PVC water main, a Sewage Lift Station with generator, 560 feet of 4-inch PVC sewage force main, 167 feet of 8-inch PVC sewer main according to the procedures and conditions of the application number 08-674. The facility is located about in the southeastern part of the City of Green River in SE 1/4 Section 35, T18N, R104W in the county of Sweetwater, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by November 7, 2010.

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.

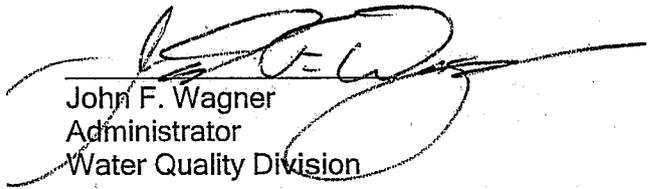
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

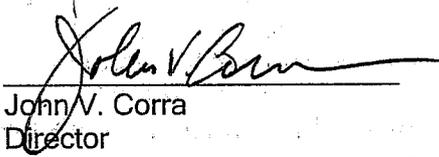
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadow View 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:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

11/10/08
Date of Issuance

MDB/rm/8-0876

STATEMENT OF BASIS

1. Permit Number: 08-674
2. Application reviewed for compliance with the following regulations:
Chapters 3, 11 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
No. The force main consist of 560 feet of 4-inch with no cleanout. Chapter 11, Section 9 (c)(ii)(E) requires cleanouts be provided every 400 feet in 4-inch pressure pipe. A variance is granted based on an additional valve and cam lock which will allow the force main to be cleaned by using an auxiliary source of pressure.
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 November 7, 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."

cc: Thomas E. Axthelm, P.E., Inberg-Miller Engineers, 124 East Main, Riverton, WY 82501

PERMIT TO CONSTRUCT

New X
Renewal ___
Modified ___

Permit Number 08-678

Wyoming Air National Guard Mylar Park Off-Site Pilot Test

This permit hereby authorizes the applicant:

Wyoming Air National Guard
217 Dell Range Blvd
Cheyenne, WY 82001

to construct, install or modify an interception trench, groundwater extraction wells, and combined groundwater treatment system according to the procedures and conditions of the application number 08-678. The facility is located in S 19.30; T14N; R66W in the county of Laramie, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by July 30, 2009.

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

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

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

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

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

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

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

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not

relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

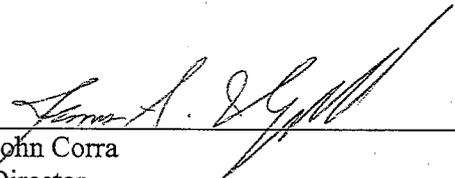
- 1 of 7 The applicant will provide immediate oral or written notice to the DEQ/WQD Groundwater Pollution Control Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 7 No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division. After the monitoring well(s)/piezometer(s) have fulfilled their purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements.
- 3 of 7 WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of monitor well(s)/piezometer(s) and sample collection so that they may be on site if deemed necessary.
- 4 of 7 The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
- 5 of 7 The results of any other analyses conducted on soil or water removed from these wells/piezometers or boreholes shall be provided to the department as soon as they are available.
- 6 of 7 Environmental Monitoring Program for Groundwater of the State:
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.
 - b. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
 - c. Records of monitoring information shall include:
 - i. The date, exact place, and time of sampling or measurements;
 - ii. The name(s) of individual(s) who performed the sampling or measurements;
 - iii. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing;
 - iv. Sampling procedures and sample preservation accomplished;
 - v. The date(s) analyses were performed;
 - vi. Names of individuals who performed the analyses;
 - vii. The analytical techniques or methods used;
 - viii. The results of such analyses, and;
 - ix. Monitor wells shall be sampled and the groundwater analyzed as indicated on the following table:

WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED	PERMIT LIMIT*
Extraction Well Effluent 4-MW54 4-MW55 4-MW57A 4-MW58A	initially after well completion, then quarterly	EPA 8260B VOCs	TCE and CCl ₄	5

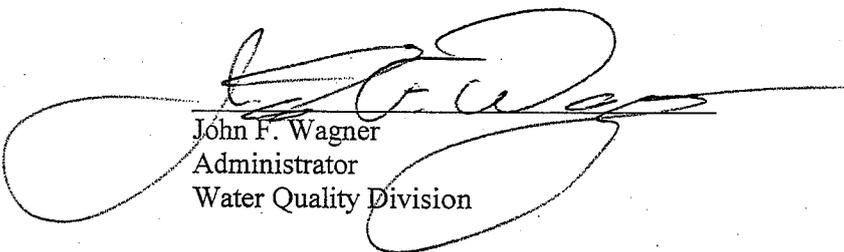
*Permit Limits (i.e. Groundwater Protection Standards) are only required for compliance monitoring wells. All chemical concentrations in this permit are expressed in µg/l unless otherwise noted.

7 of 7 The results of these analyses shall be submitted to the Cheyenne office at the following address: Groundwater Pollution Control Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002 by the last day of the month following the end of each reporting period. The first set of results are due no later than July 30, 2009.

AUTHORIZED BY:



 John Corra
 Director
 Department of Environmental Quality



 John F. Wagner
 Administrator
 Water Quality Division

10/10/08

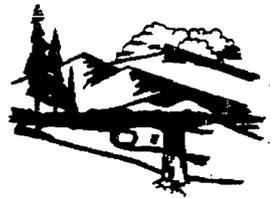
 Date of Issuance

ADN/rm/8-0790

cc: Kevin Frederick, Jane Francis



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 6, 2009

Keith Detmer
Glenrock Properties, LLC
2027 Candlewood Circle
Twin

RE: Sunup Ridge Estates Water and Sewer Mains, Application No. **08-679**,
Converse County

Dear Keith Detmer:

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 or Existing Sewage Collection Systems described as the placement of 8 inch PVC Class 150 C900 water mains and 8 inch PVC SDR 35 sanitary sewer mains to supply the proposed subdivision, SW ¼ Section 35, T33N R75W; 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 January 6, 2011.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **08-679** in any future correspondence.

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

Sincerely,

Rich Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/9-0008

cc: IPS, Cheyenne
Lewis James, JKC Engineering, 5830 East 2nd Street, Casper, WY 82609

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Southern Cross Environmental Services: Mobile Home Septic System

LOCATION: SW¼ NW¼ SE¼, Section 3, T15N, R93W, **Carbon County**

ENGINEER: None

APPLICANT: Southern Cross Environmental Services, Inc.
Attn: Kirk A. Shiner, Manager
2180 South 1300 East
Parkview Plaza #1, Suite 600
Salt Lake City, Utah 84106
Ph: (801) 530-7300

WATER QUALITY DIVISION REFERENCE NUMBER: **08-680**

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

DATE OF REVIEW: November 18, 2008

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. Application Form Incomplete - the name, address, phone number, and the signature of the actual real estate owner needs to be completed on the form. From Page 1 of the submitted application form the actual land owner is not indicated. The "**Real Estate Owner**" box is not completed, and **it is not signed**. The real estate owner must sign before the DEQ can issue a permit. A blank application form for the owner to complete and sign is included with this review. Please complete and return to the DEQ as soon as possible.

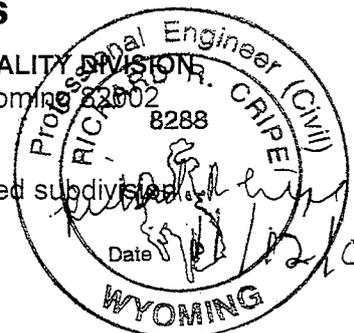
Note: The application has been reviewed and is ready to be approved as soon as we receive the application form with the necessary signatures.

RLE/rm/8-0913

Enclosures: Blank application form for Owner to complete and Sign

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: New 8" water mains and new 8" sanitary sewer mains for proposed subdivision
ENGINEER: JKC Engineering, Lewis James
APPLICANT: Glenrock Properties, LLC

WATER QUALITY DIVISION REFERENCE NUMBER: 08-679
REVIEWING ENGINEER: Richard R. Cripe
DATE OF REVIEW: November 12, 2008

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.

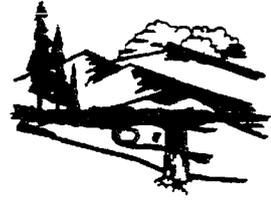
COMMENTS, INADEQUACIES, AND QUESTIONS

1. **Chapters 11, Section 6.b.iv.** A letter of acceptance from the municipality, sewer district, or owner of any affected downstream sewerage, treatment or disposal facilities. **A letter needs to be provided.**
2. **Please provide a letter from the Town of Glenrock stating it will provide water to the subdivision. More specifically, the Town will provide an adequate supply and pressure to meet the demands of the subdivision.**
3. The plans do not specify which edition of the Wyoming Public Works Standard Specifications will be used. **Which year are you specifying?**
4. The design report needs to address current and projected system water demands (see **Chapters 12, Section 6.b.ii**) for average day, maximum day, maximum hour, needed fire flows and per capita maximum daily flows. **Your model addresses the existing roadways with fire hydrants. However, it does not address the water lines that will be added in the proposed subdivision. Please provide a detailed copy of your hydraulic analysis. The hydraulic analysis should include a sketch of the model used with the nodes and pipes labeled.**
5. **Chapter 12, Section 14 b i.** All water mains, including those not designed to provide fire protection, shall be sized after a hydraulic analysis based on flow demands and pressure requirements. The system shall be designed to maintain a minimum pressure of 20 psi (138 kPa) at ground level at all points in the distribution system under all conditions of flow. The normal working pressure in the distribution system shall be not less than 35 psi (276 kPa). **Please provide a hydraulic analysis that shows this requirement can be met assuming two fire hydrants are being used at the same time.**
6. **The specifications or plans need to have a cross connection control statement that states it meets Chapters 12 DEQ Regulations.**

RRC/rm/8-0887



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

October 14, 2008

Mark Matheson
Box 1440
Saratoga, Wyoming 82331

RE: Matheson Residential Septic System, Application No. **08-681**
Location: Lot 7, Block 2, Cow Creek Station Subdivision,
W½ Section 21, T16N, R83W, Carbon County

Dear Mr. Matheson:

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 October 14, 2010. Please reference Application Number **08-681** in any future correspondence.

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

Sincerely,

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

RLE/rm/8-0804

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Dana Ehnle, Ehnle Enterprises, Box 492, Encampment, Wyoming 82325
Carbon County Acting Planning Director, Kristy Rowan, Carbon Building, 215 West Buffalo Street, Suite 336, Rawlins, Wyoming 82301

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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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

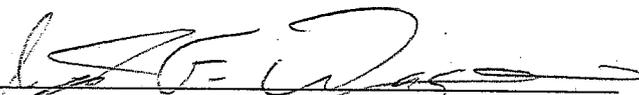
Permit Number UIC 08-682
UIC Facility Number WYS-019-00236

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: Beneterra, LLC
1415 N. Main Street
Sheridan, WY 82801
(307) 673-0607

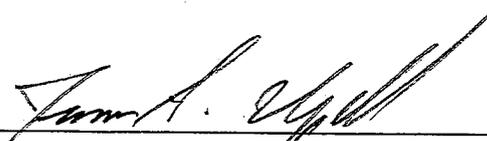
Beneterra, LLC, hereafter referred to as the permittee, is authorized to operate the proposed Class V (5F2) Subsurface Drip Irrigation (SDI) Project known as the Schuman SDI in portions of Sections 1, 2, 3, 9, 10, 11, 16, 17, and 20, Township 51 North, Range 79 and in portions of Section 35 Township 52 North, Range 79 West, 6th Principal Meridian, Johnson County, according to the procedures and conditions of application 08-682 and requirements and other conditions of this area 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

12/9/08
Date



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

12/10/08
Date

CBD/rm/8-0984

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A. Discharge Zone

The Schuman SDI is authorized to inject into the alluvium, colluvium and residuum adjacent to Crazy Woman Creek, a perennial stream in northeastern Johnson County, and its tributaries. Crazy Woman Creek is tributary to the Powder River. The Schuman SDI is not authorized to discharge into Crazy Woman Creek or any other surface waters.

B. Well and Area of Review

The injection wells associated with the Schuman SDI authorized by this area permit are located as follows:

There are thirteen groups of potential SDI fields associated with this project located in portions of Sections 1, 2, 3, 9, 10, 11, 16, 17 and 20, Township 51 North, Range 79 West, and Section 35, Township 52 North, Range 79 West, 6th Principal Meridian. Each of these fields is authorized as an injection well. The locations of the approximate center of each field are listed in Table 1 below. Maps showing the project location and the layout of the irrigated fields are presented in Figures 1 through 6 of "Application for Underground Injection Control Permit for Schuman Subsurface Drip Irrigation Project". The injectate will be sampled at the surge pond which is located in the NWNE of Section 11, Township 51 North, Range 79 West, 6th Principal Meridian.

Table 1 (Field Locations)

Field Identification	Approximate Location of Field Center
Group 1	NENENE, Sec 35, T52N, R79W
Group 2	SWSENE, Sec 35, T52N, R79W
Group 3	NENENE, Sec 2, T51N, R79W
Group 4	NWSENW, Sec 2, T51N, R79W
Group 5	NESWSE, Sec 2, T51N, R79W
Group 6	NENESE, Sec 3, T51N, R79W
Group 7	SESWSE, Sec 3, T51N, R79W
Group 8	SENWNW, Sec 10, T51N, R79W
Group 9	NESENW, Sec 10, T51N, R79W
Group 10	NWNESE, Sec 9, T51N, R79W
Group 11	NWSENE, Sec 16, T51N, R79W
Group 12	NWNESW, Sec 16, T51N, R79W
Group 13	NWSWSW, Sec 16, T51N, R79W

The Area of Review around these systems is described as follows:

The area of review is defined as the area occupied by the SDI field plus an approximate 500-foot buffer zone around each field.

The water balance calculations were computed for each of the thirteen proposed fields on a monthly basis for the ten year duration of the operation and included the following assumptions:

- Monthly precipitation rates based on historical data from Arvada, Wyoming,
- Average vadose zone thickness and porosity for each field based on observations made during site investigation,

- Monthly evapotranspiration rates of the irrigated crop estimated using the Blaney-Criddle method,
- Monthly irrigation rates specific to each field,
- Average water holding capacity,
- Average rooting zone depth, etc.

Detailed explanation of the water balance calculations and assumptions is presented in the Application for Underground Injection Control Permit for Schuman Subsurface Drip Irrigation Project.

The Area of Review around these systems is described as follows:

- SWSW 1/4, Section 25, Township 52 North, Range 79 West;
- SESE 1/4, Section 26, Township 52 North, Range 79 West;
- NE 1/4, SE 1/4, Section 35, Township 52 North, Range 79 West;
- NWNW 1/4, SWNW 1/4, NWSE 1/4, SWSW 1/4, Section 36, Township 51 North, Range 79 West;
- NWNW 1/4, NWSW 1/4, Section 1, Township 51 North, Range 79 West;
- Section 2, Township 51 North, Range 79 West;
- NENE 1/4, SENE 1/4, SE 1/4, Section 3, Township 51 North, Range 79 West;
- NENE 1/4, SENE 1/4, NESE 1/4, NWSE 1/4, Section 9, Township 51 North, Range 79 West;
- NW 1/4, NE 1/4, Section 10, Township 51 North, Range 79 West;
- NENW 1/4, NE 1/4, Section 11, Township 51 North, Range 79 West;
- SW 1/4, NE 1/4, Section 16, Township 51 North, Range 79 West;
- SE 1/4, Section 17, Township 51 North, Range 79 West; and
- NENE 1/4, Section 20, Township 51 North, Range 79 West
6th Principal Meridian.

C. Groundwater Classification

Eleven boreholes were drilled in the project area to investigate groundwater occurrence and to characterize groundwater quality. Eleven alluvial groundwater monitoring wells were installed in the project area in accordance with WDEQ Groundwater Program Guidance "Compliance Monitoring and Siting Requirements for Drip Irrigation Systems Permitted Under the Underground Injection Control (UIC) Program". No groundwater or very low yield was encountered in two wells, Class IV groundwater is present in two wells, and Class III alluvial groundwater is present in the remaining seven monitor wells. Three additional monitor wells have not yet been installed, but are proposed to further monitor groundwater associated with the SDI system.

D. Authorized Operations

The permittee is authorized to inject 1.89 million gallons per day of produced coalbed methane water through the Schuman SDI. The produced water originates from coal bed methane wells completed in the Big George coal seam. Water migrating from the drip irrigation system shall not enter into Crazy Woman Creek or any of its tributaries.

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 facilities covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapter 16. A "UIC Construction Notification" form (available on the WDEQ's groundwater website at <http://deq.state.wy.us/wqd/groundwater/index.asp>) shall be submitted to the Groundwater Section in Sheridan upon completion of construction of all or any portion of the project prior to placing that portion of the project into operation. The operator shall also submit detailed "as-built" drawings of the facility upon completion. The drawings shall include all surge ponds, piping, manifolds, a general layout of the drip tape, etc.

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 the permit is approved, construction of that well is complete and WDEQ/WQD has either inspected the well or waived its option to inspect the well.

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 Department.
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 decommissioning 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. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 30 days following each schedule date.

I. Requirements for Monitoring the Discharge.

1. The permittee shall monitor the quantity and quality of the injected fluid on the schedule listed in Table 2 below.

Table 2 (Injected Fluid Sampling Schedule)

Sampling and Reporting Schedule	Parameter Analyzed	Analytical Method	Permit limit or UCL
Quarterly 12/31; 3/31; 6/30; 9/30	Total Volume discharged to each field group (Group 1, Group 2, Group 3, Group 4, Group 5, Group 6, Group 7, Group 8, Group 9, Group 10, Group 11, Group 12, Group 13)	Duration of flow, pressure and valve capacity	The volume of flow from all thirteen fields combined shall not exceed 1.89 million gallons/day
Annually 12/31	Total Dissolved Solids (sample to be collected at the surge pond)	EPA 160.1	5,000 mg/L

2. The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in Table 3.

Table 3 (Groundwater Sampling Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	REPORTING SCHEDULE (DUE DATE)	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT
MW10-2, MW5-10	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Presence or absence of water	Steel tape with chalk or electronic tape	None (tracking purposes: surface water protection)
MW2-16, MW 13-11, MW 5-10, MW-6-10, MW 8-35, MW3-2, MW12-2, MW16-3, MW2-10, MW10-16, MW12-16, MW1-35 (proposed), MW16-35 (proposed)	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Depth to static water (ft)	Steel tape with chalk or electronic tape	None (tracking purposes: surface water protection)
MW2-16, MW 13-11, MW 6-10, MW 8-35, MW3-2, MW12-2, MW16-3, MW2-10, MW10-16, MW12-16, MW1-35 (proposed), MW16-35 (proposed)	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Total Dissolved Solids	EPA 160.1	5,000 mg/L
MW 6-10, MW 8-35, MW3-2, MW12-2, MW16-3, MW2-10, MW10-16, MW12-16, MW1-35 (proposed), MW16-35 (proposed)	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Sulfate	EPA 300.0	3,000 mg/L
MW 6-10, MW 8-35, MW3-2, MW12-2, MW16-3, MW2-10, MW10-16, MW12-16, MW1-35 (proposed), MW16-35 (proposed)	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Bicarbonate and Carbonate	SM 2320B	None (tracking purposes: surface water protection)
MW 6-10, MW 8-35, MW3-2, MW12-2, MW16-3, MW2-10, MW10-16, MW12-16, MW1-35 (proposed), MW16-35 (proposed)	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Chloride	EPA 300.0	2,000 mg/L
MW 6-10, MW 8-35, MW3-2, MW12-2, MW16-3, MW2-10, MW10-16, MW12-16, MW1-35 (proposed), MW16-35 (proposed)	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Sodium, Magnesium and Calcium	EPA 200.7	None (tracking purposes: surface water protection)
MW 6-10, MW 8-35, MW3-2, MW12-2, MW16-3, MW2-10, MW10-16, MW12-16, MW1-35 (proposed), MW16-35 (proposed)	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Electrical Conductivity	SM 2510B	None (tracking purposes: surface water protection)
MW 6-10, MW 8-35, MW3-2, MW12-2, MW16-3, MW2-10, MW10-16, MW12-16, MW1-35 (proposed), MW16-35 (proposed)	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	pH	EPA 150.1	6.5 – 8.5 standard units

MW 6-10, MW 8-35, MW3-2, MW12-2, MW16-3, MW2-10, MW10-16, MW12-16, MW1-35 (proposed), MW16-35 (proposed)	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Sodium Adsorption Ratio	Calculation	None (tracking purposes: surface water protection)
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3. The surface water shall be sampled and the following parameters analyzed according to the schedule identified in Table 4.

Table 4 (Surface Water Sampling Schedule)

SURFACE WATER STATION NAME OR NUMBER	SAMPLING SCHEDULE	REPORTING SCHEDULE (DUE DATE)	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL*
CWC8-35, CWC2-10, CWC12-16	Monthly	Quarterly 3/31; 6/30; 9/30; 12/31	Surface water elevation	Survey or Staff Gage	None (tracking purposes: surface water protection)
CWC8-35, CWC2-10, CWC12-16	Quarterly	Quarterly 3/31; 6/30; 9/30; 12/31	Flow	USGS accepted method	None (tracking purposes: surface water protection)
CWC8-35, CWC2-10, CWC12-16	Quarterly	Quarterly 3/31; 6/30; 9/30; 12/31	Total Dissolved Solids	EPA 160.1	None (tracking purposes: surface water protection)
CWC8-35, CWC2-10, CWC12-16	Quarterly	Quarterly 3/31; 6/30; 9/30; 12/31	Sulfate and Chloride	EPA 300.0	None (tracking purposes: surface water protection)
CWC8-35, CWC2-10, CWC12-16	Quarterly	Quarterly 3/31; 6/30; 9/30; 12/31	Alkalinity as Bicarbonate and Carbonate	SM 2320B	None (tracking purposes: surface water protection)
CWC8-35, CWC2-10, CWC12-16	Quarterly	Quarterly 3/31; 6/30; 9/30; 12/31	Sodium, Magnesium and Calcium	EPA 200.7	None (tracking purposes: surface water protection)
CWC8-35, CWC2-10, CWC12-16	Quarterly	Quarterly 3/31; 6/30; 9/30; 12/31	Electrical Conductivity	SM 2510B	None (tracking purposes: surface water protection)
CWC8-35, CWC2-10, CWC12-16	Quarterly	Quarterly 3/31; 6/30; 9/30; 12/31	Sodium Adsorption Ratio	Calculation	None (tracking purposes: surface water protection)
CWC8-35, CWC2-10, CWC12-16	Quarterly	Quarterly 3/31; 6/30; 9/30; 12/31	pH	EPA 150.1	None (tracking purposes: surface water protection)

4. All surface drainages within the area of review shall be visually inspected for potential seepage (re-surfacing) on a monthly basis. Reporting shall occur on a quarterly basis unless seepage is observed. Any seepage into a surface drainage shall be reported to the WDEQ immediately. Failure to perform and report in accordance with the prescribed schedule and method is a violation of this permit.

5. If construction and operation of fields proceeds in a staged manner, the monitoring locations associated with that field shall be sampled during the first quarterly event after construction of the field. The operator shall notify the WDEQ upon construction of each field. Table 5 lists which monitoring locations shall be monitored after construction of the field.

Table 5 (Monitoring locations associated with each field)

Field Identification	Monitoring Locations
SDI Field 1	Proposed MW1-35
SDI Field 2	MW8-35
SDI Field 3	Proposed MW16-35
SDI Field 4	MW3-2
SDI Field 5	MW10-2, MW13-11
SDI Field 6	MW12-2
SDI Field 7	MW16-3
SDI Field 8	MW5-10
SDI Field 9	MW2-10
SDI Field 10	MW8-9
SDI Field 11	MW2-16
SDI Field 12	MW10-16
SDI Field 13	MW12-16
Tipperary Reservoir	Proposed MW6-10

All chemical parameters listed in this permit are expressed in mg/L unless otherwise noted. The parameter pH is expressed in standard units. The permittee shall use the above listed analytical methods unless an alternate method is first approved by the Water Quality Division.

Failure to perform and report analyses in accordance with the prescribed schedule and method is a violation of this permit.

The requirements for monitoring the discharge (Table 1) and surface water (Section I.2) shall be submitted to the following address: WDEQ, Groundwater Section, 1866 South Sheridan Ave., Sheridan, WY 82801.

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 well covered by this permit.

L. Permit Actions

This permit is authorized 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. 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. The injection systems covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 16, Section 12. Groundwater monitoring wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G.

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.

CBD/rm/8-0984

STATEMENT OF BASIS FOR A UIC PERMIT

- I. General information.
- A. Permit Number: 08-682
- B. Facilities Covered: The Beneterra, LLC., Schuman (subsurface irrigation system) is located adjacent to Crazy Woman Creek (a perennial drainage) in northeastern Johnson County, Wyoming. These facilities will inject produced coal bed methane water into the alluvial, colluvial and residual deposits at depths up to 10 feet. The system is designed to inject up to a capacity of 1.89 million gallons per day. Because of the nature of this water, the permit has been written to allow up to this capacity.
- C. Class of Facility: 5F2 (Under Chapter 16)
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- | | | | |
|---------------|-----|---------------|-----|
| A. Chapter 8 | Yes | D. Chapter 12 | No |
| B. Chapter 9 | No | E. Chapter 13 | No |
| C. Chapter 11 | Yes | F. Chapter 16 | Yes |
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- Yes
- B. Permit based on deviation from applicable regulations in accordance with approved policy statement.
- No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

NOT Applicable

- V. Application requires review to determine groundwater impacts in accordance with Wyoming Water Quality Rules and Regulations Chapters 8 and 16. Class III and Class IV groundwater is present beneath this proposed facility. Monitoring is proposed for this site to protect groundwater and surface water. This permit provides for a total flow capacity of 1.89 million gallons per day.

- VI. Documentation of Statement of Basis.
 - A. The archive file for this permit will include adequate documentation of all sections of this Statement of Basis.

- VII. Applicant and Public Participation
 - A. The applicant has been provided with a draft permit prior to the permit being issued.
 - B. A Public Notice has been issued with a public notice period starting November 1, 2008 and ending on December 1, 2008. (Thirty day notice is required by Chapter 16.) This notice was published in the Casper Star Tribune on or before the start of the public comment period.

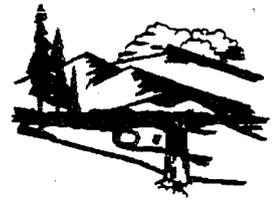
CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 5, Chapter 16, Wyoming Water Quality Rules and Regulations. This review was performed by Carrie Donnell, Groundwater Section Geological Project Analyst and reviewed by Don Fischer, P.G # 2852, on October 20, 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."

CBD/rm/8-0984



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

10-16-08

NOTIFICATION OF COVERAGE

Dena Hansen
South Cheyenne Water and Sewer District
215 East Allison Road
Cheyenne, WY 82007

RE: Avenue C-1 Sewer Extension
Application No. **08-683**

Dear Ms. Hansen:

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 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.

The approval granted under this Notification Of Coverage and the General Permit shall expire on October 1, 2010. Please reference Application Number **08-683** in any future correspondence.

If you have any questions, please contact me at (307) 777-6371.

Sincerely,

Brian Mark
Staff Engineer
Water Quality Division

BDM/rm/8-0813

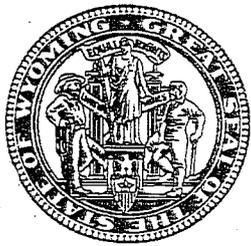
Enclosures: GENERAL PERMIT - Extensions/Modifications of Existing Sewage
Collection Systems
Certificate of Completion form

cc: Lawrence Gallagher, Summit Engr. LLC, 5907 Townsend Place, Cheyenne, WY
82009
Rich Cripe, DEQ/WQD SE District Engineer, Cheyenne

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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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 26, 2008

Tony Markve
DOUD BTS
25528 Genesee Trail Road
Golden, CO 80401

RE: Rock Springs - Interchange Industrial Park - Water Main Extensions - Permit Number 08-684, Section 5, T18N, R105W, Sweetwater County

Dear Mr. Markve:

The above application for coverage under General Permit to Construct the extension of a public water supply distribution system consisting of about 450 feet of 8-inch PVC and about 140 feet of 6-inch PVC to serve an Industrial Subdivision 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 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, P.E.
Southwest District Engineer
Water Quality Division

xc: IPS, Cheyenne
Robert W. Young, P.E., UESI Engineering, 2638 Commercial, Rock Springs, WY 82901
Paul D. Kauchich, P.E., 212 D Street, Rock Springs, WY 82901

encl: General Permit for a Public Water Supply Distribution System

Page 1 of 1



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 08-685RR

Wamsutter Water Supply Level II - Test Well
Public Water System Number WY5600105

This permit hereby authorizes the applicant:

Kevin Boyce
Wyoming Water Development Commission
6920 Yellowtail Road
Cheyenne, WY 82002

to construct a public water supply test well only for the purposed of determining water quality and quantity according to the procedures and conditions of the application number 08-685RR. The facility is located at NE ¼ SW ¼ Section 22, T20N, R94W in the county of Sweetwater, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by April 27, 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 9 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadow View 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 9 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southwest 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 9 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 9 Water well yield and drawdown tests must be submitted upon completion of the tests.

- 5 of 9 The annular space of the water well is required to be pressure cemented from the bottom to the top by a cementing service.

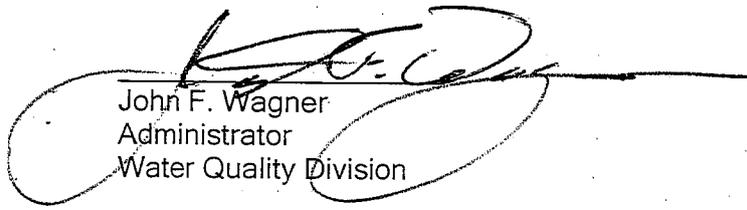
- 6 of 9 Casing centralizers are required every 100 feet along the casing to be cemented.

- 7 of 9 Cement in excess of 40 percent is required to be pumped into/through the annulus based on a caliper survey.

- 8 of 9 A cement bond log that checks the adequacy of the cementing/grouting of the casing is required to be analyzed and submitted.

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

4/29/09
Date of Issuance

MDB/rm/9-0351

STATEMENT OF BASIS

1. Permit Number: 08-685RR
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. 1 ¼ inches of grout is proposed between the casing coupling and the bore hole. Chapter 12, Section 9 (b)(iii)(B)(IV)(4.) requires a minimum of 2-inches of grout around permanent casings, including couplings.
A variance to this requirement is being granted based on the following:
 - a) The casing will be pressure cemented from the bottom to the top by a cementing service.
 - b) Casing centralizers will be placed at a 100-foot spacing.
 - c) Based on a caliper survey an excess 40 percent cement will be pumped into/through the annulus.
 - d) A cement bond log will be performed to check the adequacy of the cementing/grouting of the casing.
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 April 27, 2009. 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: Larry Wester, P.E. Wester-Wetstein & Associates, Inc., P.O. Box 2202, Laramie, WY 82073



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 25, 2008

KB Energy
Attn: Keith D. Broyles, President
1704 State Hwy 13
Arlington, Wyoming 82083

RE: KB Energy - Arlington Shop: Septic System, Application No. **08-687**
Location: S½, Sec. 19, T19N, R78W, Lot2 Overland Trail Inn, Carbon County

Dear Mr. Broyles:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for an **office/shop – domestic type waste only septic system** 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. Domestic Type Waste Only - this septic system is to be used for domestic type waste only (household type waste – hand washing, toilets, dish washing, showers, laundry, etc.). **There shall be no floor drains from the shop area connected to this septic system.** The subsurface discharge of automotive shop wastes such as oil, fuel, grease, cleaners, solvents, and so on is banned in Wyoming.
2. 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.

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

ADMIN/OUTREACH
(307) 777-7937
FAX 777-3610

ABANDONED MINES
(307) 777-6145
FAX 777-6462

AIR QUALITY
(307) 777-7391
FAX 777-5616

INDUSTRIAL SITING
(307) 777-7369
FAX 777-5973

LAND QUALITY
(307) 777-7756
FAX 777-5864

SOLID & HAZ. WASTE
(307) 777-7752
FAX 777-5973

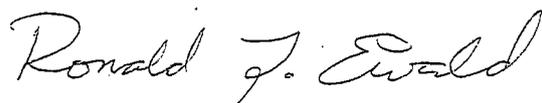
WATER QUALITY
(307) 777-7781
FAX 777-5973



The approval granted under this Notification Of Coverage and the General Permit shall expire on November 21, 2010. Please reference Application Number 08-687 in any future correspondence.

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

Sincerely,



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

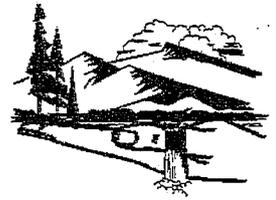
RLE/rm/8-0941

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Big Huhnks Excavation, LLC, Nate Huhnke, 1170 N. 19th St., Laramie, WY 82072
Michael Jones, Carbon County Planning Director, Carbon Building, 215 West
Buffalo Street, Suite 336, Rawlins, Wyoming 82301



Department of Environmental Quality



Dave Freudenthal, Governor

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

October 27, 2008

Karl Bertagnole, Vice President
Greyco Investments, LLC
P.O. Box 68
Wright, WY 82432

RE: Basin Housing Development Water Line, Permit Number: 08-689, Big Horn County

Dear Mr. Bertagnole:

This project involves installing approximately 188 linear feet of 8-inch C900 PVC water line and a fire hydrant to serve two buildings with 16 residential units. The above application for coverage under General Permit 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, P.E.
Northwest District Engineer
Water Quality Division

xc: IPS, Cheyenne
Dustin Spomer, P.E., GDA Engineers, P.O. Box 338, Cody, WY 82414

encl: General Permit For a Public Water Supply 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

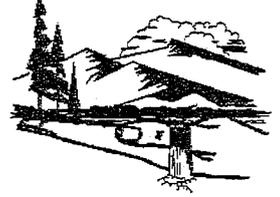




Department of Environmental Quality

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Dave Freudenthal, Governor



John Corra, Director

NOTIFICATION OF COVERAGE

November 3, 2008

Paul Throckmartin, Public Works Director
City of Riverton
816 North Federal Blvd.
Riverton, WY 82501

RE: Riverview Drive Water Line Replacement, DEQ Permit #08-690, NW ¼, Section 33, T1N, T3E, Fremont County

Dear Mr. Throckmartin:

This project involves the installation of approximately 1,012 linear feet of 12-inch PVC water main replacement along Riverview Drive. The above application for coverage under General Permit 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, P.E.
Northwest District Engineer
Water Quality Division

xc: IPS, Cheyenne
David Myers, P.E., Stetson Engineering Inc., 620 E. Monroe Ave., Riverton, WY 82501

encl: General Permit for a Public Water Supply System



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

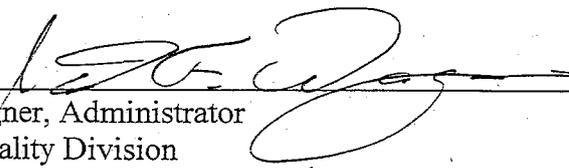
Permit Number UIC **08-691**
UIC Facility Number WYS-033-00261

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: Comet Energy Service, LLC
P.O. Box 594
Buffalo, WY 82834
(307) 684-8884

Comet Energy Service, LLC, hereafter referred to as the permittee, is authorized to operate the proposed Class V (5F2) Underground Managed Irrigation System (UMIS) known as the Petrich UMIS in Section 5, Township 54 North, Range 77 West, 6th Principal Meridian, Sheridan County, according to the procedures and conditions of application 08-691 and requirements and other conditions of this area permit.

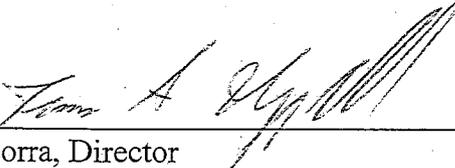
This permit shall become effective on date of issuance.



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

11/6/09

Date



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

1/8/09

Date

UMW/rm/9-0009

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A. Discharge Zone

The Dutch Creek North Project is authorized to inject into the alluvial and colluvial deposits adjacent to unnamed tributaries to Deadman Creek and Lone Tree Draw, ephemeral tributaries to the Powder River, in southern Sheridan County.

B. Well and Area of Review

The injection wells associated with the Petrich UMIS authorized by this area permit are located as follows:

There are four irrigated fields associated with this project located in section 5, Township 54 North, Range 77 West, 6th Principal Meridian. Each of these fields is authorized as an injection well. The locations of the approximate center of each field are listed in Table 1 below. Maps showing the project location and the layout of the irrigated fields are presented in Figures 1 through 3 of Application for Underground Injection Control Permit for Petrich Underground Managed Irrigation System. The injectate will be sampled at the reservoir B1-5-5477 that is permitted to contain co-produced water under WYPDES permit WY0056367. The reservoir is located in the SESWNW of section 5, Township 55 North, Range 77 West, 6th Principal Meridian.

Table 1 Field Locations

Field Identification	Location of Field Center
A2-5-5477	SWNENW, Section 5, T. 54N, R. 77W
A3-5-5477	NWSWNE, Section 5, T. 54N, R. 77W
C2-5-5477	NENESW, Section 5, T. 54N, R. 77W
C1/D1-5-5477	SENWSW, Section 5, T. 54N, R. 77W

The Area of Review around these systems is described as follows:

The area of review includes all portions of the aquifer which will be affected in a measurable way within ten years of granting the permit. The Petrich UMIS area of review was calculated assuming the excess leachate will mound directly below the centroid of the UMIS facility on an aquitard and move laterally away from the facility. The area of review was calculated based on the following:

- Direction of groundwater flow;
- Proximity of the project to hydrologic boundaries (i.e., bedrock outcrops and subcrops, etc.); and
- Monthly water balance calculations.

The water balance calculations were computed for each of the four proposed fields on a monthly basis for the ten year duration of the operation and included the following assumptions:

- Monthly consumptive irrigation requirements for alfalfa near Arvada, WY,
- Monthly irrigation rates specific to each field,

Detailed explanation of the water balance calculations and assumptions is presented in the Application for Underground Injection Control Permit for Petrich UMIS.

The Area of Review around these systems is described as follows:

- NESESE, SESESE, Section 31, Township 55 North, Range 77 West;
 - SWSW, SESW, SWSE, SESE, Section 32, Township 55 North, Range 77 West;
 - SWSW, NWSESW, SWSESW, Section 33, Township 55 North, Range 77 West;
 - NWNW, SWNW, NWSW, SWSW, Section 4, Township 54 North, Range 77 West;
 - All of Section 5, Township 54 North, Range 77 West;
 - NENE, SENE, NESE, SESE, Section 6, Township 54 North, Range 77 West;
 - NENE, Section 7, Township 54 North, Range 77 West;
 - NWNW, NENW, NWNE, NENE, Section 8, Township 54 North, Range 77 West;
 - NWNW, Section 9, Township 54 North, Range 77 West;
- 6th Principal Meridian.

C. Groundwater Classification

Five monitor wells were used to characterize the groundwater. Water quality analyses indicate the groundwater beneath the proposed operation is a mixture of Class III and Class IVA in accordance with Wyoming Water Quality Rules and Regulations, Chapter 8. Ambient water quality exceeds Class I and Class II standards for TDS and Sulfate (Table 1- Chapter 8) in all groundwater quality samples. One well, MWALD1-5 indicates class III groundwater. Three of the wells (MWALA1-5, MWALA2-5 and MWALC2-5) exceed Class III standards for TDS and Sulfate, thus indicating Class IV groundwater. While the fifth well (MWALA3-5) does not exceed class III standards for TDS and Sulfate, it does exceed the Class III standard for Selenium, thus it indicates Class IV groundwater.

D. Authorized Operations

The permittee is authorized to inject 0.79 million gallons per day of produced coalbed methane water through the Petrich UMIS. The produced water originates from coal bed methane wells completed in the Anderson, Canyon, Cook and Wall coal seams. Water migrating from the underground managed irrigation system shall not enter into any surface waters.

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 facilities covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapter 16. A "UIC Construction Notification" form (available on the WDEQ's groundwater website at <http://deq.state.wy.us/wqd/groundwater/index.asp>) shall be submitted to the Groundwater section in Sheridan upon completion of construction of all or any portion of the project prior to placing that portion of the project into operation. The operator shall also submit detailed "as-built"

drawings of the facility upon completion. The drawings shall include all surge ponds, piping, manifolds, a general layout of the drip tape, etc.

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 the permit is approved, construction of that well is complete and WDEQ/WQD has either inspected the well or waived its option to inspect the well.

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 Department.
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 decommissioning 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. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 30 days following each schedule date.

I. Requirements for Monitoring the Discharge.

1. The permittee shall monitor the quantity and quality of the injected fluid on the schedule listed in Table 2 below.

Table 2 Injected Fluid Sampling Schedule

Sampling and Reporting Schedule	Parameter Analyzed	Analytical Method	Permit limit or UCL
Quarterly 12/31; 3/31; 6/30; 9/30	Total Volume discharged to each field (A2-5-5477, A3-5-5477, C2-5-5477, C1/D1-5-5477)	Duration of flow, pressure and valve capacity or equivalent	The volume of flow from all ten fields combined shall not exceed 0.79 million gallons/day
Annually 12/31	Total Dissolved Solids (sample to be collected at reservoir B1-5-5477)	EPA 160.1	5,000 mg/L

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2. The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in Table 3.

Table 3 Groundwater Sampling Schedule

WELL NAME OR NUMBER	SAMPLING SCHEDULE	REPORTING SCHEDULE (DUE DATE)	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT
MWALA2-5, MWALA3-5, MWALC2-5, and MWALD1-5.	Monthly	Quarterly (3/31; 6/30; 9/30; 12/31)	Depth to static water (ft)	Steel tape with chalk or electronic tape	None (tracking purposes: surface water protection)
MWALD1-5	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Total Dissolved Solids	EPA 160.1	5,000 milligrams/liter
MWALA2-5, MWALA3-5, and MWALC2-5.	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Total Dissolved Solids	EPA 160.1	10,000 milligrams/liter
MWALD1-5	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Sulfate	EPA 300.0	3,000 milligrams/liter
MWALA2-5, MWALA3-5, and MWALC2-5.	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Sulfate	EPA 300.0	None (tracking purposes: surface water protection)
MWALD1-5, MWALA2-5, MWALA3-5, and MWALC2-5.	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Bicarbonate and Carbonate	SM 2320B	None (tracking purposes: surface water protection)
MWALD1-5.	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Chloride	EPA 300.0	2,000 milligrams/liter
MWALA2-5, MWALA3-5, and MWALC2-5.	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Chloride	EPA 300.0	None (tracking purposes: surface water protection)
MWALD1-5, MWALA2-5, MWALA3-5, and MWALC2-5.	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Sodium, Magnesium and Calcium	EPA 200.7	None (tracking purposes: surface water protection)
MWALD1-5, MWALA2-5, MWALA3-5, and MWALC2-5.	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Electrical Conductivity	SM 2510B	None (tracking purposes: surface water protection)
MWALD1-5.	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	pH	EPA 150.1	6.5 – 8.5 standard units
MWALA2-5, MWALA3-5, and MWALC2-5.	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	pH	EPA 150.1	None (tracking purposes: surface water protection)
MWALD1-5, MWALA2-5, MWALA3-5, and MWALC2-5.	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Sodium Adsorption Ratio	Calculation	None (tracking purposes: surface water protection)

3. The surface water shall be visually inspected for the presence of water in the channel, according to the schedule identified in Table 4.

Table 4 Surface Water Sampling Schedule

SURFACE WATER STATION NAME OR NUMBER	SAMPLING SCHEDULE	REPORTING SCHEDULE (DUE DATE)	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL*
SW-1, SW-2.	Monthly	Quarterly 3/31; 6/30; 9/30; 12/31	Presence or absence of water	Visual inspection	None (tracking purposes: surface water protection)

4. If construction and operation of fields proceeds in a staged manner, the monitoring locations associated with that field shall be sampled during the first quarterly event after construction of the field. The operator shall notify the WDEQ upon construction of each field by submitting the UIC Construction Notification as discussed in Section F. Table 5 lists which monitoring locations shall be monitored after construction of the field.

Table 5 Monitoring locations associated with each field

Field Identification	Monitoring Locations
A2-5-5477	MWALA2-5, SW-2
A3-5-5477	MWALA3-5, SW-2
C2-5-5477	MWALC2-5, SW-2
C1/D1-5-5577	MWALD1-5, SW-1

All chemical parameters listed in this permit are expressed in mg/L unless otherwise noted. The parameter pH is expressed in standard units. The permittee shall use the above listed analytical methods unless an alternate method is first approved by the Water Quality Division.

Failure to perform and report analyses in accordance with the prescribed schedule and method is a violation of this permit.

The requirements for monitoring the discharge, groundwater and surface water listed in Table 2, Table 3, and Table 4 shall be submitted to the following address: WDEQ, Groundwater Program, 1866 South Sheridan Ave., Sheridan, WY 82801.

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 well covered by this permit.

L. Permit Actions

This permit is authorized 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. 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. The injection systems covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 16, Section 12. Groundwater monitoring wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G.

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 alteration 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. Confirmed 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.

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

A. Permit Number: **08-691**

B. Facilities Covered: The Comet Energy Service, LLC., Petrich Underground Managed Irrigation System is located adjacent to unnamed tributaries to Deadman Creek and Lone Tree Draw, which are tributary to the Powder River in southern Sheridan County, Wyoming. These facilities will inject produced coal bed methane water into the alluvial and colluvial deposits at depths up to 10 feet. The system is designed to inject up to a capacity of 0.79 million gallons per day. Because of the nature of this water, the permit has been written to allow up to this capacity.

C. Class of Facility: 5F2 (Under Chapter 16)

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

A. Chapter 8 Yes

D. Chapter 12 No

B. Chapter 9 No

E. Chapter 13 No

C. Chapter 11 Yes

F. Chapter 16 Yes

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

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

Yes

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

No

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

NOT Applicable

V. Application requires review to determine groundwater impacts in accordance with Wyoming Water Quality Rules and Regulations Chapters 8 and 16. Groundwater beneath this proposed facility is classified as a mixture of Class IV and Class III. Groundwater monitoring is proposed for this site to protect groundwater and surface water. This permit provides for a total flow capacity of 0.79 million gallons per day.

VI. Documentation of Statement of Basis.

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

VII. Applicant and Public Participation

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

B. A Public Notice has been issued with a public notice period starting November 29, 2008 and ending on December 29, 2008. (Thirty day notice is required by Chapter 16.) This notice was published in the Casper Star Tribune on or before the start of the public comment period. No comments were received during the public comment period.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 5, Chapter 16, Wyoming Water Quality Rules and Regulations. This review was performed by Ursula Williams, P.G # 1503, Groundwater Program, North District Geologic Project Analyst, and completed on November 19, 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."

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 UIC **08-692**
UIC Facility Number WYS-033-00262

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.

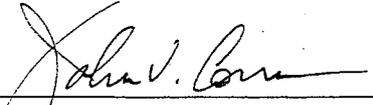
Applicant: Comet Energy Service, LLC
P.O. Box 594
Buffalo, WY 82834
(307) 684-8884

Comet Energy Service, LLC, hereafter referred to as the permittee, is authorized to operate the proposed Class V (5F2) Underground Managed Irrigation System (UMIS) known as the Hofheimer UMIS in Section 9, Township 54 North, Range 77 West, 6th Principal Meridian, Sheridan County, according to the procedures and conditions of application 08-692 and requirements and other conditions of this area 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

4/16/09
Date


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

4/17/09
Date

UMW/rm/9-0307

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A. Discharge Zone

The Hofheimer UMIS Project is authorized to inject into the alluvial and colluvial deposits adjacent to unnamed tributaries to Deadman Creek and Lone Tree Draw, ephemeral tributaries to the Powder River, in southeastern Sheridan County.

B. Well and Area of Review

The injection well associated with the Hofheimer UMIS authorized by this area permit is located as follows:

There is one irrigated field associated with this project located in section 9, Township 54 North, Range 77 West, 6th Principal Meridian. This field is authorized as an injection well. The location of the approximate center of the field is listed in Table 1 below. Maps showing the project location and the layout of the irrigated field is presented in Figures 1 and 2 of Design Report for Construction of a new Underground Managed Irrigation System on the Hofheimer Property. The injectate will be sampled at the injectate filter house.

Table 1: Field Locations

Field Identification	Location of Field Center
Hofheimer Field	SWNWNW, Section 9, T. 54N, R. 77W

The Area of Review around these systems is described as follows:

The area of review includes all portions of the aquifer which will be affected in a measurable way within ten years of granting the permit. The Hofheimer UMIS area of review was calculated assuming the excess leachate will mound directly below the centroid of the UMIS facility on the existing water table and move laterally away from the facility. The area of review was calculated based on the following:

- Direction of groundwater flow;
- Thickness of injection zone,
- Time of injection,
- Injection rate, and
- Porosity.

Detailed explanation of calculations and assumptions is presented in the Design Report for Construction of a new Underground Managed Irrigation System on the Hofheimer Property.

The Area of Review around these systems is described as follows:

- SWSWSW, NESWSW, Section 3, Township 54 North, Range 77 West;
- SWNE, SENW, SWNW, SWNENW, SENWNW, SWNWNW, Section 4, Township 54 North, Range 77 West;
- SENE, NESWNE, SESWNE, SWSWNE, NENESW, SWNESW, SWNESW, NESWSW, SESWSW, SESW, SE Section 5, Township 54 North, Range 77 West;
- NE, NENW, SENW, SENWNW, NENWNW, NESWNW, SESWNW, NENWSW, SENWSW, NESW, NWSESW, NESESW, SESESW, SE, Section 8, Township 54 North, Range 77 West;
- All of Section 9, Township 54 North, Range 77 West;
- NWNW, SWNW, NENWSW, SENWSW, Section 10, Township 54 North, Range 77 West;

- NWNENE, NWNE, NENW, NWNW Section 16, Township 54 North, Range 77 West;
- NENE, NENWNE, NWNWNE, SENWNE, Section 17, Township 54 North, Range 77 West; 6th Principal Meridian.

C. Groundwater Classification

One bedrock and two alluvial monitor wells were used to characterize the groundwater. Water quality analyses indicate the bedrock groundwater is Class III and the alluvial groundwater is a mixture of Class III and Class IVA in accordance with Wyoming Water Quality Rules and Regulations, Chapter 8. Ambient water quality exceeds Class I and Class II standards for TDS and Sulfate (Table 1- Chapter 8) in all groundwater quality samples. One well MWALA1-9) exceeds Class III standards for TDS and Sulfate, thus indicating Class IV groundwater.

D. Authorized Operations

The permittee is authorized to inject 0.14 million gallons per day of produced coalbed methane water through the Hofheimer UMIS. The produced water originates from coal bed methane wells completed in the Anderson, Canyon, Cook and Wall coal seams. Water migrating from the underground managed irrigation system shall not enter into any surface waters.

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 facilities covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapter 16. A "UIC Construction Notification" form (available on the WDEQ's groundwater website at <http://deq.state.wy.us/wqd/groundwater/index.asp>) shall be submitted to the Groundwater section in Sheridan upon completion of construction of all or any portion of the project prior to placing that portion of the project into operation. The operator shall also submit detailed "as-built" drawings of the facility upon completion. The drawings shall include all surge ponds, piping, manifolds, a general layout of the drip tape, etc.

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 the permit is approved, construction of that well is complete and WDEQ/WQD has either inspected the well or waived its option to inspect the well.

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 Department.
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 decommissioning 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. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 30 days following each schedule date.

I. Requirements for Monitoring the Discharge.

1. The permittee shall monitor the quantity and quality of the injected fluid on the schedule listed in Table 2 below.

Table 2: Injected Fluid Sampling Schedule

Sampling and Reporting Schedule	Parameter Analyzed	Analytical Method	Permit limit or UCL
Quarterly 12/31; 3/31; 6/30; 9/30	Total Volume discharged to field	Duration of flow, pressure and valve capacity or equivalent	The volume of flow from all ten fields combined shall not exceed 0.14 million gallons/day
Annually 12/31	Total Dissolved Solids (sample to be collected at <i>the filter house</i>)	EPA 160.1	5,000 mg/L

THIS SPACE INTENTIONALLY LEFT BLANK

2. The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in Table 3.

Table 3: Groundwater Sampling Schedule

WELL NAME OR NUMBER	SAMPLING SCHEDULE	REPORTING SCHEDULE (DUE DATE)	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT
MWALA1-9, and MWALB2-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Depth to static water (ft)	Steel tape with chalk or electronic tape	None (tracking purposes: surface water protection)
MWALA1-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Total Dissolved Solids	EPA 160.1	5,000 milligrams/liter
MWALB2-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Total Dissolved Solids	EPA 160.1	10,000 milligrams/liter
MWALA1-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Sulfate	EPA 300.0	3,000 milligrams/liter
MWALB2-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Sulfate	EPA 300.0	None (tracking purposes: surface water protection)
MWALA1-9, and MWALB2-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Bicarbonate and Carbonate	SM 2320B	None (tracking purposes: surface water protection)
MWALA1-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Chloride	EPA 300.0	2,000 milligrams/liter
MWALB2-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Chloride	EPA 300.0	None (tracking purposes: surface water protection)
MWALA1-9, and MWALB2-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Sodium, Magnesium and Calcium	EPA 200.7	None (tracking purposes: surface water protection)
MWALA1-9, and MWALB2-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Electrical Conductivity	SM 2510B	None (tracking purposes: surface water protection)
MWALA1-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	pH	EPA 150.1	6.5 – 8.5 standard units
MWALB2-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	pH	EPA 150.1	None (tracking purposes: surface water protection)
MWALA1-9, and MWALB2-9	Quarterly	Quarterly (3/31; 6/30; 9/30; 12/31)	Sodium Adsorption Ratio	Calculation	None (tracking purposes: surface water protection)

3. The surface water shall be visually inspected for the presence of water in the channel. according to the schedule identified in Table 4.

Table 4: Surface Water Sampling Schedule

SURFACE WATER STATION NAME OR NUMBER	SAMPLING SCHEDULE	REPORTING SCHEDULE (DUE DATE)	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL*
SW-1 (reach of Deadman Creek from B1-9-5477 reservoir to State Hwy Bridge), and SW-2 (reach of Lone Tree Draw from upstream of railroad culvert to section 4/5 line).	Monthly	Quarterly 3/31; 6/30; 9/30; 12/31	Presence or absence of water	Visual inspection	None (tracking purposes: surface water protection)

All chemical parameters listed in this permit are expressed in mg/L unless otherwise noted. The parameter pH is expressed in standard units. The permittee shall use the above listed analytical methods unless an alternate method is first approved by the Water Quality Division.

Failure to perform and report analyses in accordance with the prescribed schedule and method is a violation of this permit.

The requirements for monitoring the discharge, groundwater and surface water listed in Table 2, Table 3, and Table 4 shall be submitted to the following address: WDEQ, Groundwater Program, 1866 South Sheridan Ave., Sheridan, WY 82801.

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 well covered by this permit.

L. Permit Actions

This permit is authorized 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. 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. The injection systems covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 16, Section 12. Groundwater monitoring wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G.

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.

UMW/rm/9-0307

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

A. Permit Number: **08-692**

B. Facilities Covered: The Comet Energy Services, LLC., Hofheimer (underground managed irrigation system) is located adjacent to Deadman Creek and Lone Tree Draw (ephemeral drainages tributary to the Powder River) in Sheridan County, Wyoming. These facilities will inject produced coal bed methane water into alluvial and colluvial deposits at depths up to 10 feet. The system is designed to inject up to 0.14 million gallons per day.

C. Class of Facility: 5F2 (Under Chapter 16)

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

A. Chapter 8 Yes

D. Chapter 12 No

B. Chapter 9 No

E. Chapter 13 No

C. Chapter 11 Yes

F. Chapter 16 Yes

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

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

Yes

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

No

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

NOT Applicable

V. Application requires review to determine groundwater impacts in accordance with Wyoming Water Quality Rules and Regulations Chapters 8 and 16. Groundwater beneath this proposed facility is classified as a mixture of Class IV and Class III. Groundwater monitoring is proposed for this site to protect groundwater and surface water. This permit provides for a total flow capacity of 0.14 million gallons per day.

VI. Documentation of Statement of Basis.

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

VII. Applicant and Public Participation

- A. The applicant has been provided with a draft permit prior to the permit being issued.
- B. A Public Notice has been issued with a public notice period starting February 18, 2009 and ending on March 20, 2009. (Thirty day notice is required by Chapter 16.) This notice was published in the Sheridan Press on or before the start of the public comment period.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 5, Chapter 16, Wyoming Water Quality Rules and Regulations. This review was performed by Ursula Williams, P.G # 1503, Groundwater Program, North District Geologic Project Analyst, and completed on February 10, 2009. 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."

UMW/rm/9-0307



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

October 17, 2008

Jeremi Von Olnhausen
32 Trail Creek Drive
Moorcroft, WY 82721

RE: Von Olnhausen Small Residential Waste Water System, Crook County
Permit # 08-694

Dear Mr. Von Olnhausen:

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 permit conditions apply:

1. The manufacturer's instructions and precautions regarding filling the septic tank with water during burial and immediately after pumping must be followed.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307.283.4548 to arrange an inspection of the system.

Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.

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,


Suzanne Pagorek
WDEQ/WQD

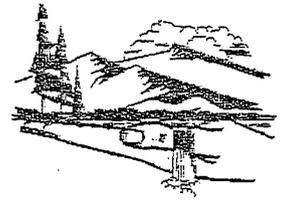
Enclosures: General Permit
Certificate of Completion

cc: IPS, Cheyenne
WYDEQ File
Tim Lyons, Crook County Growth and Development





Department of Environmental Quality



Dave Freudenthal, Governor

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

November 5, 2008

Roger Strube, Managing Member
3 Bar X Ranch Inc. DBA Strube Construction, LLC
P.O. Box 1654
Lander, WY 82520

RE: Tract A, Indian Lookout Subdivision Sewer & Water Line, DEQ Permit #08-696, SE ¼, SW ¼, Section 12, T33N, T100W, Fremont County

Dear Mr. Strube:

This project involves the installation of approximately 440 linear feet of 10-inch sewer line and two new manholes and 550 linear feet of 8-inch water line with one fire hydrant. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11, Section 9; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved with the following condition:

The 6-inch sewer line from Fossen Parcel and across from Baldwin Drive will tie into the new manhole #4, rather than to the sewer main along Baldwin Creek Road.

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, P.E.
Northwest District Engineer
Water Quality Division

xc: IPS, Cheyenne
Roger Strube, Aspen-Banner Engineering, P.O. Box 550, Laramie, WY 82073
Mickey Simmons, City of Lander, 125 Buena Vista Drive, Lander, WY 82520

encl: General Permits for a Public Water Supply System and an Existing Sewage Collection 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

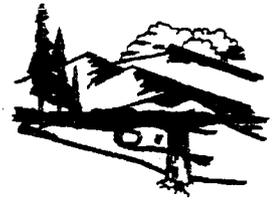
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

WATER QUALITY
(307) 332-3144
FAX 332-3100





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 14, 2008

George C. & Laurie A. Scheeler
1674 Hillcrest Drive
Sheridan, WY 82801

RE: SEI Shop Septic System
Application No. **08-697**, Campbell County

Dear Mr. & Mrs. Scheeler:

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 described as SEI Shop Septic System located in the W1/2 W1/2 Section 11 T43N R72W Campbell County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved.

This notice of coverage authorizes the transfer of ownership from Jamie Swingholm to George C. & Laurie A. Scheeler. The old notice of coverage # 06-570 is now authorized with the new notice of coverage # 08-697. Please reference Application No. **08-697** in any future correspondence.

If you have any questions, please contact me at 307-777-7075.

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/8-0896

cc: IPS, Cheyenne
Keith Bowar, Campbell County, 500 S. Gillette Avenue, Suite 1500, Gillette, WY 82716
Karen Farley, NE District Engineer, 152 N. Durbin Street, Suite 100, Casper, WY 82601

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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08-697

PERMIT TRANSFER REQUEST

Date: 10/9/08

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

OCT 15 2008

To Whom It May Concern:

Jamie Swingholm (Original Owner) intends to transfer ownership of the facility associated with Permit Number 06-570 to George C. + Laurie A. Scheeler Living Trust (New Owner)

on 10/9/08 (Date) . It is requested that the said permit be transferred to the new owner in

accordance with Section 12 of Chapter 3, Wyoming Water Quality Rules and Regulations. The new owner agrees to accept and be bound by the provisions of the permit and any amendments, agrees to construct and operate the facility in accordance with the approved permit and agrees to accept responsibility for the facility's compliance with applicable standards and permit conditions, including the responsibility to perform any necessary corrective actions.

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

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

Jamie Swingholm
Signature of Original Owner

Laurie Scheeler
Signature of New Owner

Name Jamie Swingholm
Address 1299 Hilight Rd.
Gillette WY 82718

Name George C. + Laurie A. Scheeler
Address 1674 Hillcrest Dr
Sheridan WY 82801

Telephone 307-464-0719

Telephone 307-673-2609



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 12, 2006

Jamie Swingholm
SE, LLC
1299 Hilight Road
Gillette, WY 82718

RE: SEI Shop Septic System
Permit # 06-570

Dear Ms. Swingholm:

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.

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,

Kim J. Medina
Senior Environmental Analyst
WDEQ/WQD

Enclosures: General Permit
Certificate of Completion

cc: IPS, Cheyenne
Keith Bowar, Campbell County, 500 South Gillette Avenue, Suite 1500, Gillette, WY 82716

Page 1 of 1



874824

QUITCLAIM DEED

*Copy -
Original in
Soft Map Box - 71B -
Shred
Done
Tish*

SE, LLC, a Wyoming limited liability company, whose mailing address is 1299 Hilight Road, Gillette, Wyoming 82716, as Grantor, for and in consideration of ten dollars (\$10.00) and other good and valuable consideration in hand paid, receipt whereof is acknowledged, conveys and quitclaims to George C. Scheeler and Laurie A. Scheeler, Trustees of the George C. and Laurie A. Scheeler Living Trust dated April 9, 1999, whose address is 1674 Hillcrest Drive, Sheridan, Wyoming 82801, Grantee, all interest in the following described real property situate in Campbell County, State of Wyoming, hereby releasing and waiving all rights under and by virtue of the homestead exemption laws of the State of Wyoming:

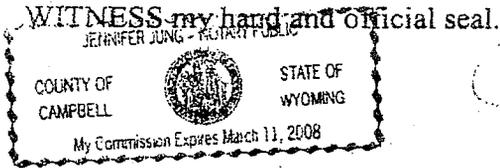
A tract of land situated in the W1/2W1/2 of Section 11, T43N, R72W of the Sixth Principal Meridian, Campbell County, Wyoming. Said tract of land being described more particularly as follows:

Commencing at the West one quarter section corner of said Section 11,
thence N68°57'53"E a distance of 80.43 feet;
thence S00°01'45"W a distance of 425.88 feet;
thence S00°41'48"W a distance of 3.20 feet;
thence N89°41'04"E a distance of 554.33 feet to the TRUE POINT OF BEGINNING;
thence N03°52'08"W a distance of 341.01 feet;
thence N85°56'00"E a distance of 624.22 feet;
thence S00°14'18"W a distance of 381.21 feet;
thence S89°41'04"W a distance of 598.06 feet to the POINT OF BEGINNING

RESERVING THEREFROM.

STATE OF WYOMING)
) ss.
COUNTY OF CAMPBELL)

The foregoing instrument was acknowledged before me this 21st day of February, 2005, by Robert N. Swingholm, Manager of SE, LLC.



Jennifer Jung

Notary Public

My Commission expires: March 11, 2008

STATE OF WYOMING)
) ss.
COUNTY OF SHERIDAN)

The foregoing instrument was acknowledged before me this 23 day of February, 2005, by George C. Scheeler, Trustee of the George C. and Laurie A. Scheeler Living Trust dated April 9, 1999.



Department of Environmental Quality



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John Corra, Director

Dave Freudenthal, Governor

NOTIFICATION OF COVERAGE

December 11, 2008

Jim Robinson, Mayor
Marbleton
10700 HWY 189
Marbleton, WY 83113

RE: Alsades 2008 Annexation Water and Sewer Lines - Permit Number 08-698, NE1/4,
Section 30, T30N, R111W, Sublette County

Dear Mr. Robinson:

The above application for coverage under General Permits to Construct a sewer main extension consisting of 966 feet of 8-inch SDR-35 PVC and 700 feet 6-inch C-900 PVC water main extension to serve Marbleton residences in accordance with Chapter 3, Section 7, Chapter 11, Section 8 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,

Perry Roberson
Consulting Engineer
Water Quality Division

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

xc: IPS, Cheyenne
Clarence S. Kemp, Forsgren Associates Inc. 849 Front Street Suite 201, Evanston, WY 82930
Keith Raney, Environmental Health, Sublette County, PO Box 722 Pinedale WY

encl: General Permit for a Sewage Collection System
General Permit for a Water Distribution System



REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Bilstad Cabin Septic System

LOCATION: Section 28, T14N, R85W: Sierra Madre Subdivision, Lot 8, **Carbon County**

ENGINEER: None

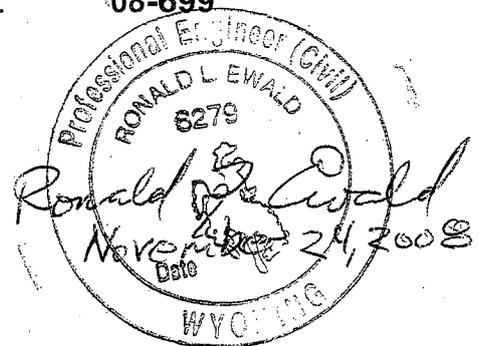
APPLICANT: Rick and Carrie Bilstad
141 El Camino Way
Bozeman, Montana 59715
Ph: (406) 586-0604

WATER QUALITY DIVISION REFERENCE NUMBER:

08-699

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

DATE OF REVIEW: November 24, 2008



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. Application Form Incomplete - the name, address, phone number, and the signature of the actual real estate owner(owners) needs to be completed on the application form. From Page 6 of the application package, the owners would

appear to be **Rick and Carrie Bilstad**. A blank application form (or a partially completed form) is included for you to complete and sign.

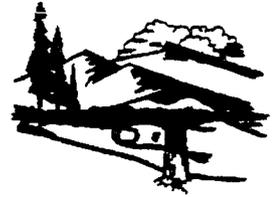
2. Minimum Leachfield "Size" Requirement - a chamber type leachfield was chosen for this facility. However, the minimum number of chamber units required was miscalculated as too few. ADS brand, ARC24 model chambers were chosen to be used. The equivalent area per chamber unit used in the application to calculate the number of units needed was 42sf/unit (square feet per unit). This yielded a minimum number of 10 ARC24 model units needed. However, the correct equivalent area for an ARC24 unit is 23.9sf/unit(see table included); yielding a minimum number of 18 units needed. Therefore, **a minimum of 18 ARC24 model chamber units SHALL be used** to construct this leachfield. Please correct Page 5 of the worksheets, the "Two Trench Chambered Leachfield" detail sheet, and the Site Plan drawings. Blank pages of these sheets are included for your convenience.

RLE/rm/8-0935

Enclosures: Blank application form (& partially completed application form)
Blank worksheets and detail sheets – as needed
CHAMBER SYSTEMS – Equivalent Areas table



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

January 8, 2009

Rick and Carrie Bilstad
141 El Camino Way
Bozeman, Montana 59715

RE: Bilstad Cabin Septic System: Application No. **08-699**
Location: Sec. 28, T14N, R85W, Sierra Madre Sub., Lot 8, Carbon County

Dear Mr. and Mrs. Bilstad:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **1 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 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 tank** must be extended to the ground surface.
2. Polyethylene Septic Tank Installation Requirements - To ensure structural integrity, the **manufacturer's instructions** regarding bedding the tank and filling the tank with water during burial **must be followed during installation**. Additionally, immediately after clean-outs, the tank must be refilled with water according to the manufacturer's instructions to maintain structural integrity.

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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The approval granted under this Notification Of Coverage and the General Permit shall expire on January 8, 2011. Please reference Application Number **08-699** in any future correspondence.

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

Sincerely,



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

RLE/rm/9-0018

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Michael Jones, Carbon County Planning Director, Carbon Building, 215 West
Buffalo Street, Suite 336, Rawlins, Wyoming 82301

