



# 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

March 25, 2010

Cody Williamson  
159 Liberty Lane  
Moorcroft, WY 82721

RE: Williamson Small Residential Wastewater System, As Built Permit # 09-651  
Location: E 1/2, NE 1/4, NW 1/4, Section 19, Township 50N, Range 66W Crook County

Dear Mr. Williamson:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

This Notification of Coverage is issued in response to the submission of the septic system information for an as-built permit. The system generally complies with Wyoming Department of Environmental Quality (DEQ) Water Quality Regulations governing Small Wastewater Systems. However, this information was submitted without field percolation test results. Completing and recording a percolation test in the area of the leachfield will confirm if the field is sized appropriately for your residence. If the existing wastewater system fails, you will be required to replace the system with one that meets current regulations.

Please be advised that Crook County inspects small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at (307) 283-4548 to determine if an inspection of your system is required.

If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Engels  
WDEQ/WQD

SE/rm/10-0234

cc: IPS, Cheyenne  
WYDEQ Casper File  
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729

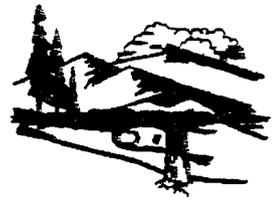
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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

January 7, 2010

Kass Kinghorn  
PO Box 1422  
Sundance, WY 82729

RE: Transfer of Ownership,  
Sundance View Estates Lot 1, Block 2 Residential Septic System  
Crook County, Reference Permit #07-405  
Permit #07-652

Dear Mr. Kinghorn:

The above Transfer of Ownership 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.

If you have any questions, please contact me at (307) 777-6941 or spagor@wyo.gov.

Sincerely,

Suzanne Engels  
WDEQ/WQD

SE/rm/10-0016

Enclosures

cc: IPS, Cheyenne  
WDEQ Casper File  
Vern Burress, 2920 West Main Ste 2, Rapid City, SD 57702  
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729





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John Corra, Director

## NOTIFICATION OF COVERAGE

November 24, 2009

Dale Maurer  
905 Cherry Lane  
Gillette, WY 82716

RE: Maurer Small Residential Wastewater System, Crook County  
Location: Buckmiller Subdivision No. 3, Block 1 Lot 3; Permit # 09-652

Dear Mr. Maurer:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit conditions apply:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
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.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels  
WDEQ/WQD

SE/bb/9-1042

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

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# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

November 27, 2009

Sean Sproul  
6501 S. Douglas HWY #8  
Gillette, WY 82718

RE: Sproul Small Residential Wastewater System, Crook County  
Location: Buckmiller Subdivision No. 3, Block 1 Lot 5; Permit # 09-653

Dear Mr. Sproul:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
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.
3. The manufacturer's instructions and precautions regarding filling the tank with water during burial and immediately after pumping must be followed.

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.** Please contact me with questions at (307) 777-6941.

Sincerely,

*Suzanne Engels*  
Suzanne Engels  
WDEQ/WQD

SE/rm/9-1056

cc: IPS, Cheyenne  
WYDEQ Casper File  
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729

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

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WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 09-654R

Simplot Richard Gap Booster Pump Station- Evaporation Pond #3

This permit hereby authorizes the applicant:

Mark Krall  
Simplot Richard Gap Booster Station, Simplot Phosphates LLC  
9401 N. HWY 191  
Vernal, Utah 84078

to convert an existing permitted emergency slurry pond (85-557R) into a synthetically and clay lined evaporation pond for slurry water with a secondary geomembrane and leak detection system consisting of a top maximum water surface area less than 1 acre and a maximum water depth of 10 feet plus the installation of an overflow pump-back station from pond #3 to the existing passive pond according to the procedures and conditions of the application number 09-654R. The facility is located south of Rock Springs, Wyoming near the Utah border in Section 15, T12N, and R105W in the county of Sweetwater, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by March 10, 2012.

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 8            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 307-332-7726, 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 8            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 8            All the leak detection wells are to be checked weekly for the first month operation and monthly thereafter with a log kept of the inspection results. If fluid is found, the DEQ/WQD Southwest District Engineer is to be notified immediately.

4 of 8            If fluid is found in the leak detection system, and a leak is verified by observation or sampling and testing, the fluid recirculating system shall be activated to minimize the fluid level under the primary pond liner and reduce the chance for migration of the fluid to groundwater, until repairs and/or corrective action can be taken.

If a leak in the primary liner of a cell is confirmed, the following monitoring, reporting and repair actions are required:

1. High level alarms on the recirculating leak detection system sumps shall be continuously monitored.
2. The totalizing hour meters shall be read at least weekly.
3. If the recovery rate exceeds 400 gallons per day per acre (gpd/acre) for any sub-cell as delineated by the recovery system, the permittee shall notify the DEQ/WQD within seven (7) days. Repair of the primary liner must be scheduled within 12 months.
4. If the recovery rate exceeds 800 gpd/acre for any sub-cell as delineated by the recovery system, the DEQ/WQD shall be notified within 48 hours. Repair of the primary liner must be scheduled within 60 days.
5. If the high level alarm level is reached, the DEQ/WQD shall be notified immediately. Repair of the primary liner must be initiated immediately.

If fluids are detected in the leak detection system and there is a threat of contamination to groundwater, the DEQ/WQD may require the construction of new groundwater monitoring wells along with periodic sampling and testing of the groundwater monitoring wells. Required sampling and testing parameters and frequency will be determined by the DEQ/WQD.

6. If fluids are detected in the leak detection system and if groundwater is found to be contaminated by materials collected in the pond, the DEQ/WQD may require the construction of a contaminated groundwater interceptor pump-back system.

a) A 1 foot thick compacted clay liner with a max permeability of  $1 \times 10^{-5}$  cm/sec under the second high-density polyethylene liner is required.

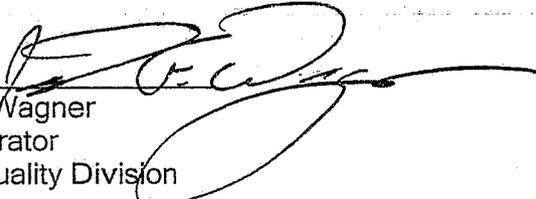
b) The compacted clay liner shall meet the following criteria: The tests for water content and density shall be taken during the placement of each lift of the liner. A total minimum liner thickness of one (1) foot shall be provided and shall be constructed with maximum lifts of one-half (0.5) foot. Either permeability testing of undisturbed core samples from the in-place seal, or detailed tests such as particle size distribution and Atterburg limits shall be conducted. Detailed tests should confirm that the soil specified was used for liner construction. One (1) test shall be conducted per acre per lift. For core sampling of the in-place liner, one (1) core of the completed liner shall be tested per acre. The permittee shall provide the division written certification by a Wyoming registered professional engineer that the soil liner was constructed according to the permit and that final testing indicated results within the allowable limits established by the permit.

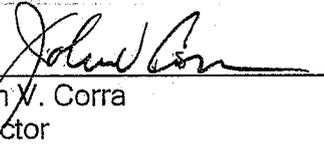
7 of 8

This facility is required to comply with the Wyoming Air Quality Standards and Regulations Chapter 2 Ambient Standards. Chapter 2, Section 11(a)(i) shall be the minimum basis for determining the adequacy of the proposed procedures and methods for controlling odors. Air Quality Standards are an enforceable condition of this permit.

8 of 8 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 W. Corra  
Director  
Department of Environmental Quality

3-12-10  
Date of Issuance

PDR/rm/10-0205

## STATEMENT OF BASIS

1. Permit Number: 09-654R
2. Application reviewed for compliance with the following regulations:  
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?  
Yes. The approval is based upon following the Chapter 20, Section 35 regulations in accordance with Section 5 of Chapter 11.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.  
The disposal pond will be lined with a primary 60-mil high-density polyethylene (HDPE) liner and with a 40-mil HDPE secondary liner installed below a leak detection system. A 1-foot compacted clay liner will also be installed under the secondary liner. If a leak is detected, a recirculation system to return leaking fluids to the pond will be used, thus reducing the hydrostatic head beneath the primary liner, and minimizing the risk of migration of the fluids to groundwater.
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 Perry Roberson, Project Engineer, [prober2@wyo.gov](mailto:prober2@wyo.gov), and completed on March 10, 2010. 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: Dinesh P. Sheth, P.E., Indo American Engineering, Inc., 649 North Front Street, P.O.Box 1813, Rock Springs, WY 82902-1813



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

March 24, 2010

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

RE: Park County Road and Bridge Shop  
Draft Permit **09-655**, Class V Industrial Process Water Disposal Facility  
Park County, Wyoming

Dear Ms. Needles:

The Park County Public Works Department has submitted an application for a new Underground Injection Control (UIC) permit. The facility will dispose of a mixture of domestic wastewater and industrial process water from washing road maintenance vehicles. The wastewater will be disposed through an oil and grease interceptor, a septic tank, and then a leachfield. The facility will inject into the Tertiary Wilwood Formation located in Section 11, T55N, R100W.

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  
Project Engineer  
Water Quality Division

ADN/rm/10-0232

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

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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

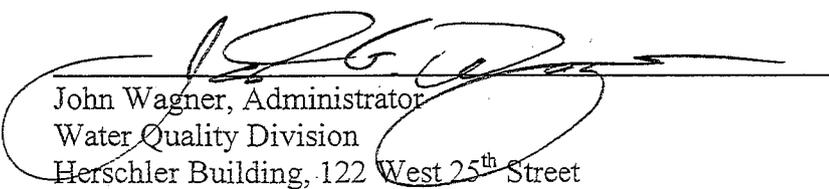
Permit Number **09-655**  
Previous Permits N/A  
Facility Number WYS-029-00208

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.

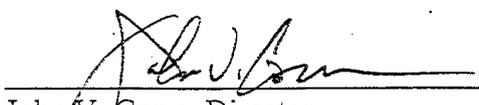
Applicant: Park County Public Works Department  
Attn: Dave Kieper, Park County Engineer  
1131 11th Street  
Cody, WY 82414  
(307) 527-8520

Park County Public Works Department, hereafter referred to as the permittee, is authorized to operate the Powell Road and Bridge Shop Wastewater System. The facility is an industrial process water and waste disposal facility in the SW $\frac{1}{4}$  of the SE $\frac{1}{4}$  of Section 11, Township 55 North, Range 100 West, of the 6<sup>th</sup> Principal Meridian, Park County, according to the procedures and conditions of application 09-655 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 25<sup>th</sup> Street  
Cheyenne, WY 82002  
(307)-777-7781

5/19/10  
Date

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

5/20/10  
Date

ADN/rm/10-0414

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## A. Discharge Zone

The injection facility is a leachfield system preceded by a septic tank and oil and grease interceptor. The facility is authorized to inject 600 gallons per day average and 760 gallons per day maximum. The wastewater is a mixture of domestic waste from the office (360 gallons per day maximum) and industrial wastewater from a vehicle wash (400 gallons per day maximum). The treated wastewater will be injected into the Tertiary Willwood formation. The shallowest groundwater is approximately 50 feet below ground surface.

## B. Well and Area of Review

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

NE¼ of the SW¼ of Section 24, Township 32 North, Range 119 West, 6<sup>th</sup> 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	760	GPD
Thickness of Receiver	850	Feet
Area of Review	360	Acres
Hydraulic Conductivity	6	Feet/Day

## C. Groundwater Classification

The groundwater in the Willwood Formation is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because:

1. Laboratory analysis of the groundwater demonstrates a groundwater quality of Class III due to concentrations of Total Dissolved Solids (2470 mg/L) and Sulfate (860 mg/L).
2. Groundwater within the area of review is being used for domestic purposes, so the groundwater is Class I by use.
3. The higher class of groundwater, Class I by use, must be protected.

Groundwater 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 can be considered an underground source of drinking water.

#### **D. Authorized Operations**

The permittee is authorized to inject 600 gallons per day average and 760 gallons per day maximum, of wastewater into the proposed leachfield injection system. The wastewater is described as a mixture of domestic wastewater and industrial process water from washing road maintenance vehicles.

If additional wastewater flows are added beyond those identified in the permit application, the leachfield 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

- 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 Wastewater Facility**

Injectate quality and general maintenance of the oil and grease interceptor shall be monitored and reported annually. The partially treated wastewater shall be sampled from the second compartment in the septic tank and the following parameters analyzed according to the schedule identified in **Table 2**. The oil and grease interceptor shall be monitored and tested for oil and grease thickness according to **Table 2**. The following parameters shall be analyzed by the listed methods and schedules and reported annually:

**Table 2 (Annual Groundwater Monitoring Schedule)**

COMPONENT NAME	SAMPLING SCHEDULE	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL
2 <sup>nd</sup> Compartment of the Septic Tank	Once in the third quarter (7/01 through 9/30) each year	pH	EPA 150.1	>6.5 and <8.5
		Oil & Grease	EPA 1664	10.0 mg/L
Oil/Grease Interceptor	Monthly	Oil/Grease thickness in tanks	Sludge Judge or similar interceptor oil and solids sampler	1.0 feet oil/grease thickness

\*All applicable chemical concentrations in this permit are expressed as total (not dissolved) in mg/l unless otherwise noted. Once one (1) foot of oil and grease thickness is measured in the Oil and Grease Interceptor, the tank(s) must be pumped. Include a record of pumping of the tanks in the annual report. Failure to perform and report analyses in accordance with the prescribed schedule and method is a violation of this permit.

All annual reports are to be reported within forty-five (45) days of the last day of the year (February 14<sup>th</sup>).

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;

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. If the UCL is exceeded in a sample, monitoring wells may be required to determine whether groundwater has been impacted and to delineate the nature and extent of any contamination resulting from operation of the permitted facility.

#### **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 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. The application should be submitted at least 180 days before the expiration date of this 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 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.

The state of Wyoming recently passed Wyoming statute §34-1-152 and amended Wyoming statute §34-1-202 regarding the ownership of pore space within the subsurface. The department recommends that the permittee considers how these laws may apply to their injection of material into the subsurface.

#### **S. Severability**

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



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

May 17, 2010

Park County Public Works Dept.  
Attn: Dave Kieper, Park County Engineer  
1131 11<sup>th</sup> Street  
Cody, WY 82414

RE: Park County Road and Bridge Shop  
Final Permit **09-655**, Class V Industrial Process Water Disposal Facility  
Park County, Wyoming

Dear Mr. Kieper:

Attached please find one copy of the Class V permit for the above referenced facility. This permit requires a one-time Notice of Construction Completion and an annual sampling program. The Notice of Construction Completion form should be submitted 30 days after the facility is constructed. Also, please provide as-built details. The annual sampling report must be submitted within 45 days of the end of each calendar year (February 14). Both forms are enclosed for your convenience.

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 groundwater. Those problems included groundwater pollution leading to contamination in domestic water wells and serious health effects caused by exposures to toxic substances and water borne pathogens. Your cooperation with our program is sincerely appreciated.

Sincerely,

Adrienne D. Nunn  
Project Engineer  
Water Quality Division

ADN/rm/10-0414

Enclosure: Final Permit, Notice of Construction Completion, Monitoring Report Template

cc: Mark Westenskow P.E., CTA Architect Engineers, PO Box 1153, Livingston, MT 59047



**UNDERGROUND INJECTION CONTROL  
NOTIFICATION OF CONSTRUCTION COMPLETION OF INJECTION WELL**

Operator Name: \_\_\_\_\_ Permit Number: \_\_\_\_\_

Facility Name: \_\_\_\_\_ Facility Number: \_\_\_\_\_

Well (field) I.D.: \_\_\_\_\_

In accordance with the Wyoming Department of Environmental Quality/Water Quality Division, Chapter 16, Section 5(c)(i)(U), or Chapter 13, Section 9(d)(xxiv) the permittee must submit notice of completion of construction (of individual injection well(s) or facility) to the administrator and allow for inspection of the facility upon completion of construction, prior to commencing any injection activity.

I hereby certify:

1. Construction of the permitted facility was completed on \_\_\_\_\_ (DATE) and the facility will be placed in operation on \_\_\_\_\_ (DATE).
2. The facility was constructed in compliance with all terms and conditions of the permit including the report, plans and specifications, design data or other information submitted in support of the application. (If a Wyoming licensed professional geologist and/or professional engineer was used to develop the application, please have them complete the form below as appropriate.)

\_\_\_\_\_  
Facility Owner (print or type)

\_\_\_\_\_  
Signature of Facility Owner

Date \_\_\_\_\_

\_\_\_\_\_  
Name of Geologist (print or type)

P.G. No.: \_\_\_\_\_

\_\_\_\_\_  
Signature of Geologist

Date \_\_\_\_\_

\_\_\_\_\_  
Name of Engineer (print or type)

P.E. No.: \_\_\_\_\_

\_\_\_\_\_  
Signature of Engineer

Date \_\_\_\_\_

Class 5F2: Submit form to:

All other UIC permits: Submit form to :

WDEQ  
Attn: Groundwater Program  
1866 S. Sheridan Ave  
Sheridan, WY 82801

WDEQ  
Attn: UIC Program  
Herschler Building 4<sup>th</sup> West  
122 West 25<sup>th</sup> Street  
Cheyenne, WY 82002

Or

Email form (pdf) to:  
cbmgroundwater@state.wy.us

**STATE OF WYOMING  
CLASS V (5C3) ANNUAL SAMPLING  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
REPORTING FORM FOR CLASS INJECTION WELLS**

This form shall accompany the submission of any report, documentation or data required by the UIC permit issued to this facility

Company Name:	Park County Public Works
Contact Person:	DAVE KIEPER
Phone Number:	307-527-8520
Company Address:	1131 11th Street CODY, WY 82414
Facility Name:	Powell Road & Bridge Shop Wastewater System
Facility Number:	WYS-029-00208
Permit Number	09-655
Legal Location:	T:55.00 R:100.00 S:11.00

Report Frequency:	Annual
EDD Information:	Report ID = 165382; Facility ID = 13102; Sample ID = 6738

Sample Point:	Well Leachfield
Sample Point Type:	Class V (Injection Wells)
Formation	Alluvium

Report Comments:

Oil & Grease (O_AND_G)										
1000 ml glass container, preserve with 5 ml 50% Hydrochloric Acid to a pH of 2 or less. Holding time 28 days.										
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	EPA Qualified Method	Comments	
LAB	1/1/2010	12/31/2010			0	mg/L				

pH (pH)							
100 ml sample must be measured on site.							
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2010	12/31/2010			0	pH	

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

**STATE OF WYOMING  
CLASS V (5C3) INTERCEPTOR  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
REPORTING FORM FOR CLASS INJECTION WELLS**

This form shall accompany the submission of any report, documentation or data required by the UIC permit issued to this facility

Company Name:	Park County Public Works
Contact Person:	DAVE KIEPER
Phone Number:	307-527-8520
Company Address:	1131 11th Street CODY, WY 82414
Facility Name:	Powell Road & Bridge Shop Wastewater System
Facility Number:	WYS-029-00208
Permit Number	09-655
Legal Location:	T:55.00 R:100.00 S:11.00

Report Frequency:	Annual
EDD Information:	Report ID = 165381; Facility ID = 13102; Sample ID = 6738

Sample Point:	Well Leachfield
Sample Point Type:	Class V (Injection Wells)
Formation	Alluvium

Report Comments:

**Oil & Grease (O\_AND\_G)**

1000 ml glass container, preserve with 5 ml 50% Hydrochloric Acid to a pH of 2 or less. Holding time 28 days.

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2010	1/31/2010			0	FT				
LAB	2/1/2010	2/28/2010			0	FT				
LAB	3/1/2010	3/31/2010			0	FT				
LAB	4/1/2010	4/30/2010			0	FT				
LAB	5/1/2010	5/31/2010			0	FT				
LAB	6/1/2010	6/30/2010			0	FT				
LAB	7/1/2010	7/31/2010			0	FT				
LAB	8/1/2010	8/31/2010			0	FT				
LAB	9/1/2010	9/30/2010			0	FT				
LAB	10/1/2010	10/31/2010			0	FT				
LAB	11/1/2010	11/30/2010			0	FT				
LAB	12/1/2010	12/31/2010			0	FT				

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

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

- A. UIC Permit Number: 09-655
- B. Facilities Covered: Park County Road and Bridge Shop Wastewater Disposal
- 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 March 29, 2010 and ending on April 28, 2010 (30 day notice as required by Wyoming Water Quality Rules and Regulations, Chapter 16). This notice was published in the Cody Enterprise 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, Project Engineer, completed on March 17, 2010. 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/10-0414



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

March 24, 2010

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

RE: Park County Road and Bridge Shop  
Draft Permit **09-655**, Class V Industrial Process Water Disposal Facility  
Park County, Wyoming

Dear Ms. Cheung:

The Park County Public Works Department has submitted an application for a new Underground Injection Control (UIC) permit. The facility will dispose of a mixture of domestic wastewater and industrial process water from washing road maintenance vehicles. The wastewater will be disposed through an oil and grease interceptor, a septic tank, and then a leachfield. The facility will inject into the Tertiary Wilwood Formation located in Section 11, T55N, R100W.

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  
Project Engineer  
Water Quality Division

ADN/rm/10-0232

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

March 24, 2010

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

RE: Park County Road and Bridge Shop  
Draft Permit **09-655**, Class V Industrial Process Water Disposal Facility  
Park County, Wyoming

Dear Ms. Lindemann:

The Park County Public Works Department has submitted an application for a new Underground Injection Control (UIC) permit. The facility will dispose of a mixture of domestic wastewater and industrial process water from washing road maintenance vehicles. The wastewater will be disposed through an oil and grease interceptor, a septic tank, and then a leachfield. The facility will inject into the Tertiary Wilwood Formation located in Section 11, T55N, R100W.

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  
Project Engineer  
Water Quality Division

ADN/rm/10-0232

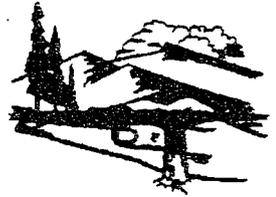
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

March 24, 2010

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

RE: Park County Road and Bridge Shop  
Draft Permit **09-655**, Class V Industrial Process Water Disposal Facility  
Park County, Wyoming

Dear Mr. Huber:

The Park County Public Works Department has submitted an application for a new Underground Injection Control (UIC) permit. The facility will dispose of a mixture of domestic wastewater and industrial process water from washing road maintenance vehicles. The wastewater will be disposed through an oil and grease interceptor, a septic tank, and then a leachfield. The facility will inject into the Tertiary Wilwood Formation located in Section 11, T55N, R100W.

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  
Project Engineer  
Water Quality Division

ADN/rm/10-0232

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# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

March 24, 2010

Park County Public Works Dept.  
Attn: Dave Kieper, Park County Engineer  
1131 11<sup>th</sup> Street  
Cody, WY 82414

RE: Park County Road and Bridge Shop  
Draft Permit **09-655**, Class V Industrial Process Water Disposal Facility  
Park County, Wyoming

Dear Mr. Kieper:

The Park County Public Works Department has submitted an application for a new Underground Injection Control (UIC) permit. The facility will dispose of a mixture of domestic wastewater and industrial process water from washing road maintenance vehicles. The wastewater will be disposed through an oil and grease interceptor, a septic tank, and then a leachfield. The facility will inject into the Tertiary Wilwood Formation located in Section 11, T55N, R100W.

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  
Project Engineer  
Water Quality Division

ADN/irm/10-0232

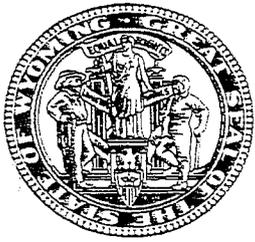
Enclosure: Draft Permit

cc: Mark Westenskow P.E., CTA Architect Engineers, PO Box 1153, Livingston, MT 59047  
Robert Jackson P.G., 128 McCullough Drive, Cody, WY 82414

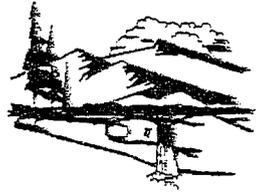
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# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

12/7/09

Frank Houk, Mayor  
Town of Greybull  
24 South 5<sup>th</sup> Street  
Greybull, WY 82426

RE: Trapper Creek Well Control Bldg & Tank Site Piping Repairs. DEQ Permit #09-656, County of Big Horn, Lat. 44.53506111, Long. -107.7683778

Dear Mayor Houk,

This project consists of the installation of two flexible expansion joints to the building inlet piping and one flexible expansion joint to the building outlet piping to allow the building to move independently from the exterior piping.

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.

These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

If you have any questions, please contact Hannes Stueckler at 307-335-6964 or James Brough at 307-335-6961.

Sincerely,

Hannes E. Stueckler  
Assistant Northwest District Engineer  
Water Quality Division

James Brough, P.E.  
Northwest District Engineer  
Water Quality Division

xc: PDF to Cheyenne  
Bret J Reed, Engineering Associates, Box 1900, Cody, WY 82414





# 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

December 1, 2009

Stanley and Linda Sheehan  
PO Box 548  
Newcastle, WY 82701

RE: Sheehan Small Residential Wastewater System, Weston County  
Location: NW1/4 NE ¼, Section 18, T47N, R65W; Permit # 09-657

Dear Mr. and Mrs. Sheehan:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
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.
3. A photograph of a trench side wall must be submitted to DEQ within 15 days of completion. Please include a reference to the depth of the trench, such as a tape measure that is readable.

**Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels  
WDEQ/WQD

SE/rm/9-1073

cc: IPS, Cheyenne  
WYDEQ Casper File  
Weston County Assessor, 1 W Main, Newcastle, WY 82701 (no enclosure)

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 30, 2009

Brett Swaney  
39 Frosty Lane  
Pine Haven, WY 82721

RE: Swaney Small Residential Wastewater System, Crook County  
Location: SW ¼, Section 17, T50N, R66W; As-Built Permit # 09-658

Dear Mr. Swaney:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

This Notification of Coverage is issued in response to the submission of the septic system information for an as-built permit. The system generally complies with Wyoming Department of Environmental Quality/Water Quality Regulations governing Small Wastewater Systems. If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Engels  
WDEQ/WQD

SE/rm/9-1064

cc: IPS, Cheyenne  
WYDEQ Casper File  
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, Wy 82729

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# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 6, 2010

Charlie Williams  
P.O. Box 504  
Moorcroft, WY 82721

RE: Williams Small Residential Wastewater System, As-Built Permit # 09-659  
Location: NWNE ¼, Section 24, Township 51N, Range 67W; Crook County

Dear Mr. Williams:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

This Notification of Coverage is issued in response to the submission of the septic system information for an as-built permit. The system generally complies with Wyoming Department of Environmental Quality (DEQ) Water Quality Regulations governing Small Wastewater Systems. However, a two hundred foot single trench leachfield was installed. DEQ recommends that trenches be limited to one hundred feet to insure proper infiltration and handling of wastewater. If the existing wastewater system fails, you will be required to replace the system with one that meets current regulations.

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.

If you have any questions, please contact me at (307) 777-6941.

Sincerely,

*Suzanne Engels*  
Suzanne Engels  
WDEQ/WQD

SE/rm/10-0013

cc: IPS, Cheyenne  
WYDEQ Casper File  
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729

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# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 11, 2010

William Born  
479 Olson Road  
Wheatland, WY 82201

RE: Bill Born Residence Septic System,  
Location: NW¼, Section 18, T23N, R68W,

Application No. **09-660**  
Platte County

Dear Mr. Born:

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 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:

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 January 8, 2012. Please reference Application Number **09-660** in any future correspondence.

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

Sincerely,

*Ronald L. Ewald*

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

RLE/rm/10-0023

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

cc: IPS, Cheyenne  
Bob Bauer, Bob Bauer Backhoe, 5 N. Hightower Road, Wheatland, WY 82201  
Platte County Planning Office, Dennis Becker, P.O. Box 728, Wheatland,  
Wyoming 82001

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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

November 25, 2009

Aaron Horn  
Ecosphere Energy Services, Inc.  
3515 Southeast Lionel Terrace  
Stuart, FL 34997

RE: Ecosphere Ozonix Pilot Project, BP Wamsutter South, Sweetwater County, Wyoming  
Permit to Construct #09-661

Dear Mr. Horn:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Pilot Project in accordance with Section 5, Chapter 11, of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. **This permit expires 90 days from the date of issuance.**

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit. The following items need to be submitted to WDEQ/WQD CBM Group:

- a. Date that the construction of the treatment facility will begin;
- b. Certification the construction of the treatment facility was done in accordance with the terms and conditions of the permit; or  
Certification the construction of the treatment facility was completed with changes or modifications.
- c. All sampling will be conducted in accordance with the submitted sampling plan.
- d. Sampling of any waste products will be performed prior to disposal.
- e. A detailed report including on-site and lab analytical data relating to the facility's performance for meeting the discharge requirements, treatment/discharge

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

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

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



volumes, any problems with the system and what has been done to correct them, or a notification that the plant has not been operating, will be submitted within 30 days after end of treatment.

- f. Immediate notification to WDEQ/CBM Group of any violations, exceedences, upsets, or incidents relating to the facility and its operation.

Please notify WDEQ at least one week prior to start-up or initial processing of CBM water. If you have any questions, please contact Dennis Lamb or Kim Medina at 152 North Durbin, Casper, WY, 82601, (307) 473-3465. Thank you.

Sincerely,



Kim J. Medina  
Geological Project Analyst  
DEQ/WQD

Enclosures: Application for Permit to Construct  
Certificate of Completion

cc: WDEQ File  
IPS Cheyenne  
Vance Hixon, BP America Production Company, 103 Crooks Gap Road, Wamsutter, WY 82336  
Aaron Horn, Ecosphere Energy Services, LLC, 5430 LBJ Freeway, Suite 1200, Dallas, TX 75240



# 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

December 31, 2009

Tom Hayes  
1812 Manatee Ave. West  
Bradenton, Florida 34205

RE: Hayes Residential Septic System,  
Location: NW¼, Section 13, T15N, R83W,

Application No. **09-662**  
Carbon County

Dear Mr. Hayes:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **4 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 December 30, 2011. Please reference Application Number **09-662** 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/9-1144

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

cc: IPS, Cheyenne  
John Bergeson, J-B Backhoe Service, P.O. Box 374, Encampment, WY 82325  
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West  
Buffalo Street, Suite 336, Rawlins, Wyoming 82301

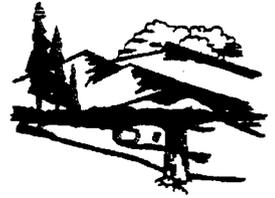
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ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752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

December 17, 2009

Ted Moline  
3399 Mona Road  
Aladdin, WY 82710

RE: Moline Small Residential Wastewater System, Crook County  
Location: SE ¼, Section 6, T54N, R60W; Permit # 09-663

Dear Mr. Moline:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
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. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels  
WDEQ/WQD

SE/rm/9-1110

cc: IPS, Cheyenne  
WYDEQ Casper File  
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729  
Russell Stinson, Stinson Backhoe, PO Box 23, Hulett, WY 82720

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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

January 6, 2010

City of Rawlins  
Attn: Duane Stolns, Public Works Director  
521 West Cedar  
Rawlins, Wyoming 82301

RE: Carbon County Fairgrounds/Multipurpose Bldg. – Water & Sewer Line Rerouting,  
Application No. **09-665**  
Location: Carbon County Fairgrounds in Rawlins Carbon County

Dear Mr. Stolns:

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 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 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 permits, 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 permits. Additionally, the following project specific conditions also apply:

1. Additions to Wyoming Public Works Standard Specifications for Waterline Construction:
  - a. Section 2665 E.6 - Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.
  - b. Section 2675 D - Flushing shall achieve minimum velocities of at least 5 feet per second for pipelines 12 inches in diameter or less. Flushing shall be through flush valves and a discharge pipe to the surface. Fire hydrants shall not be flushed until after the water main or distribution line is flushed.

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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

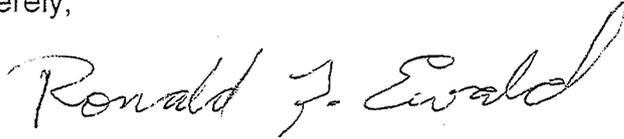
WATER QUALITY  
(307) 777-7781  
FAX 777-5973



The approval granted under this Notification Of Coverage and the General Permit shall expire on January 6, 2012. Please reference Application Number 09-665 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/10-0014

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

cc: IPS, Cheyenne  
James W. Johnson, Johnson Engineering Assoc., 110 Superior Court, Laramie,  
Wyoming 82072  
Leroy Graham, Carbon County, Carbon Building, 215 West Buffalo Street,  
Suite 336, Rawlins, Wyoming 82301

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
"AS-BUILT" PERMIT TO CONSTRUCT

PERMIT NO. 09-666

REFERENCE PERMIT NO. 07-817

Cedar Draw Project: 31-28-5375 and 12-33-5375

This permit hereby authorizes the applicant:

Williams Production RMT Company  
Attn.: Mr. Ron Gossard  
300 North Works  
Gillette, WY 82716

to have installed two (2) compliance monitoring wells according to the procedures and conditions of the application number 09-666. The facilities are proximal to the on channel coalbed methane produced water impoundments located in Township 53N, Range 75W, Sections 28 and 33 in the county of Campbell, in the State of Wyoming. All construction, installation, or modification allowed by this permit has been completed.

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.

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 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 4: The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Program, 1866 South Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

2 of 4: The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Program, 1866 South Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213 when discharge to each impoundment covered under this permit commences.

3 of 4: Monitoring Requirements:

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundments shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water level in both monitoring wells: MW 31-28 and MW 12-33;
- Sampling and analysis of groundwater at down-gradient wells: MW 31-28 and MW 12-33;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

**Cedar Draw 31-28-5375**

Parameter	MW 31-28 Background Value (mg/L) (08/31/2007)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	2670	3000
Total Dissolved Solids (TDS)	4360	5000
pH	7.9	6.5 – 8.5 (s.u.)

**Cedar Draw 12-33-5375**

Parameter	MW 12-33 Background Value (mg/L) (08/31/2007)	Class III Water Quality Standards (mg/L)
Arsenic	0.021	0.2
Selenium	ND	0.05
Sulfate	508	3000
Total Dissolved Solids (TDS)	1270	5000
pH	7.9	6.5 – 8.5 (s.u.)

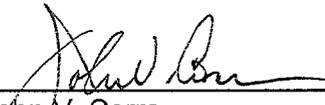
- Reporting results of quarterly monitoring and sampling to the department by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup>, and October 15<sup>th</sup> of each year.

- If the initial discharge into the impoundment has not occurred by the quarterly report date, a groundwater compliance sample is not required for that quarterly period. The operator shall notify the DEQ that discharge has not occurred;
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
- The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: DEQ-CBMGroundwater@WYO.GOV. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

4 of 4: Any exceedance of the water quality standards listed above will be considered a violation of this permit. If an exceedance of groundwater standards occurs as a result of the operation of the impoundment, the WDEQ may require a more frequent monitoring schedule, further investigation of the groundwater impacts, remediation of the groundwater impacts, and cessation of discharge into the impoundment.

AUTHORIZED BY:

  
 \_\_\_\_\_  
 John F. Wagner  
 Administrator  
 Water Quality Division

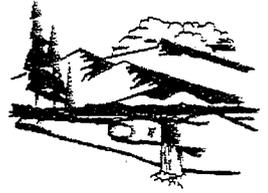
  
 \_\_\_\_\_  
 John V. Corra  
 Director  
 Department of Environmental Quality

1/6/10  
 \_\_\_\_\_  
 Date of Issuance

WDF/bb/10-0005



# 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

December 9, 2009

Milton Meier, Mayor  
Town of Byron  
P.O. Box 126  
Byron, WY 82412

RE: Town of Byron Sanitary Sewer Project. DEQ Permit #09-667, Big Horn County, T56N, R97W; Section 26 Lots 47, 47O; Section 27 Lots 47M, 47N

Dear Mayor Meier,

This project consists of the installation of 3600 linear feet of 8-inch sanitary sewer pipe, 9 4-foot diameter manholes and 1 sewer cleanout.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Part B 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.

These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

If you have any questions, please contact Hannes Stueckler at 307-335-6964 or James Brough at 307-335-6961.

Sincerely,

Hannes E. Stueckler  
Assistant Northwest District Engineer  
Water Quality Division

James Brough, P.E.  
Northwest District Engineer  
Water Quality Division

xc: PDF to Cheyenne  
William L. Harris P.E., GDA Engineers, P.O. Box 338, Cody, WY, 82414





# 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

January 4, 2010

Andy Schwartz, Chair  
Teton County Commission  
P. O. Box 3594  
Jackson, WY 83001

RE: Sullivan Subdivision, Teton County, WDEQ Application #09-668

Dear Mr. Schwartz:

The Wyoming Department of Environmental Quality (WDEQ) has completed the review of the above referenced subdivision pursuant to W.S. 18-5-306. This letter constitutes our conclusions regarding the feasibility of the proposed water and sewage systems pursuant to the W.S. 18-5-306 (c).

## Summary of Proposed Subdivision

The proposed two-lot subdivision is located about nine miles north of Jackson on the southwest corner of Queens Lane and Prince Place. The parcel lies about one mile east of the Snake River within the historic floodplain of the river. The proposed subdivision will split the existing parcel into lots that are about 30 acres and 10 acres, respectively. Both lots are occupied by existing residences which are served by individual septic systems and wells.

## Findings As To The Safety And Adequacy Of The Proposed Sewage System

As previously mentioned, individual septic systems serve the two existing residences. Both septic systems were engineer designed, permitted by Teton County, and use pressure-dosed, mounded systems. DEQ recognizes that improved treatment of pathogens can be achieved in the subsurface soil when the wastewater is pressure dosed, rather than gravity fed. Modeling of two-year pathogen travel time resulted in a travel distance of almost 1,200 feet and triggers the requirement for enhanced wastewater treatment systems. Since the water quality results from both the existing wells (Sullivan #1 and Sullivan #2) tested negative for total coliform and low for nitrates, DEQ doesn't recommend further enhanced treatment beyond the pressure-dosed, mounded leachfields.

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 332-7726



## Findings As To The Safety And Adequacy Of The Proposed Water System

The proposed subdivision already uses individual on-site wells for drinking water. A water quality test results from the two existing wells indicate that the water from the wells meets EPA drinking water standards and is suitable for human consumption. DEQ also understands that the quantity of the aquifer is adequate.

### Conclusion(s):

WDEQ has "no adverse" recommendations for the proposed subdivision.

### Disclaimer

Nothing in WDEQ's recommendations or comments regarding the subdivider's proposal shall be construed to relieve the subdivider of their obligation to obtain any permits or additional approval from any local state or federal agencies/entities as required by law, rules and regulations, or ordinance. Nothing in these recommendations commits the WDEQ or the delegated county to the issuance of required permits for construction, operation, or modification of water supply and/or wastewater systems. It is the duty of the subdivider/developer to comply with all applicable federal, state and local requirements.

Please do not hesitate to contact me at (307) 332-3144 if you have any questions on the recommendations or need any assistance on how to proceed with this application.

Sincerely,



James Brough, P.E.  
Northwest District Engineer  
Water Quality Division

cc: Bill & Joyce Sullivan, 3 Normandy Court, Hohokus, NJ 7423  
Philip Gyr, Nelson Engineering, P.O. Box 1599, 430 South Cache, Jackson, WY 83001  
Planning Director, Teton County Planning Department, P.O. Box 1727, Jackson, WY 83001  
Ray Shriver, Teton County Engineering Department, P.O. Box 3594, Jackson, WY 83001  
DEQ Subdivision File 125

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

- A. UIC Permit Number: 09-669 - (ref 08-799)
- B. Facilities Covered: AR Federal 1691-10I
- 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 December 7, 2009 and ending on January 6, 2009 (30 day notice as required by Wyoming Water Quality Rules and Regulations, 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 Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6. This review was performed by Adrienne Nunn, Project Engineer, and completed on December 4, 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".

## STATE OF WYOMING PUBLIC NOTICE

THE PURPOSE OF THIS NOTICE IS TO INDICATE THE STATE OF WYOMING'S INTENTION TO MODIFY AN UNDERGROUND INJECTION CONTROL PERMIT UNDER THE WYOMING ENVIRONMENTAL QUALITY ACT (35-11-101 ET. SEQ. WYOMING STATUTES 1957, CUMULATIVE SUPPLEMENT 1973), AND DEPARTMENT OF ENVIRONMENTAL QUALITY, WYOMING WATER QUALITY RULES AND REGULATIONS, CHAPTER 8 AND CHAPTER 16.

IT IS THE STATE OF WYOMING'S INTENTION TO MODIFY AN UNDERGROUND INJECTION CONTROL PERMIT FOR THE DISPOSAL OF NON-HAZARDOUS INDUSTRIAL WASTEWATER AS DEFINED IN 40 CFR 261.3 AND WYOMING SOLID WASTE MANAGEMENT RULES AND REGULATIONS, CHAPTER 2.

PERMIT NUMBER: 09-669 CLASS V; PERMITTEE NAME: Anadarko E&P Company LP; 1099 18<sup>th</sup> Street, Suite 1200, Denver, Colorado 80202. PHONE: (303) 452-5603 FACILITY NAME AND LOCATION: AR Federal 1691-10i, in Section 10, Township 16 North; Range 91 West; of the 6<sup>th</sup> Principal Meridian, Carbon County.

The current maximum injection pressure is 720 psig measured at the wellhead. The permitted pressure was based on an assumed fracture pressure gradient of 0.7 psi/foot. A step-rate injection test conducted by Anadarko E&P Company LP shows an actual gradient of 0.716 psi/foot. The new proposed maximum injection pressure is 1,041 psig measured at the wellhead based on the higher fracture pressure gradient. All other conditions of the existing permit will remain the same.

Other tentative determinations have been made by the State of Wyoming relative to conditions to be imposed on the permit. These conditions will assure that useable water of the state will be protected and applicable provisions of state statutes and regulations will be followed.

Public comments on the proposed operation, the proposed groundwater classification, and the State's intent should be addressed to: Wyoming Department of Environmental Quality, Water Quality Division, Adrienne Nunn, Project Engineer, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; or by FAX to (307) 777-5973. All comments received prior to 5:00 PM, January 6, 2010 in the Cheyenne office will be considered.

Any interested person may request in writing prior to the end of the public comment period that a public hearing be held. Requests should indicate the name and full mailing address of the individual requesting a hearing, the interest that individual has in the project, and the grounds for holding a public hearing. If a hearing is not warranted, the final permit will be issued at the end of the public comment period.



# 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

December 4, 2009

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

RE: Anadarko E&P Company LP Injection Pressure Increase  
Permit Modification **09-669**, (ref 08-799) AR Fed. 1691 6-10i, Class V CBM  
Injection Wells  
Carbon County, Wyoming

Dear Ms. Lindemann:

Anadarko E & P Compnay, LP has submitted a step-rate test and request for an injection pressure increase from 720 psi to 1041 psi. The injection well disposes of wastewater into the Haystack Mountain Member of the Mesa Verde Formation located in Section 10, Township 16 North, Range 91 West.

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 Nunn  
Project Engineer  
Water Quality Division

ADN/rm/9-1047

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

December 4, 2009

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

RE: Anadarko E&P Company LP Injection Pressure Increase  
Permit Modification **09-669**, (ref 08-799) AR Fed. 1691 6-10i, Class V CBM  
Injection Wells  
Carbon County, Wyoming

Dear Ms. Needles:

Anadarko E & P Compnay, LP has submitted a step-rate test and request for an injection pressure increase from 720 psi to 1041 psi. The injection well disposes of wastewater into the Haystack Mountain Member of the Mesa Verde Formation located in Section 10, Township 16 North, Range 91 West.

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

Sincerely,

Adrienne Nunn  
Project Engineer  
Water Quality Division

ADN/rm/9-1047

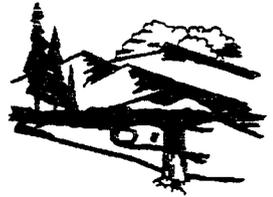
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# Department of Environmental Quality



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

December 4, 2009

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

RE: Anadarko E&P Company LP Injection Pressure Increase  
Permit Modification **09-669** (ref 08-799), AR Fed. 1691 6-10i, Class V CBM  
Injection Wells  
Carbon County, Wyoming

Dear Mr. Huber:

Anadarko E & P Compnay, LP has submitted a step-rate test and request for an injection pressure increase from 720 psi to 1041 psi. The injection well disposes of wastewater into the Haystack Mountain Member of the Mesa Verde Formation located in Section 10, Township 16 North, Range 91 West.

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 Nunn  
Project Engineer  
Water Quality Division

ADN/rm/9-1047

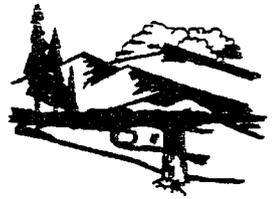
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# Department of Environmental Quality



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

December 4, 2009

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

RE: Anadarko E&P Company LP Injection Pressure Increase  
Permit Modification **09-669** (ref 08-799), AR Fed. 1691 6-10i, Class V CBM  
Injection Wells  
Carbon County, Wyoming

Dear Ms. Cheung:

Anadarko E & P Compnay, LP has submitted a step-rate test and request for an injection pressure increase from 720 psi to 1041 psi. The injection well disposes of wastewater into the Haystack Mountain Member of the Mesa Verde Formation located in Section 10, Township 16 North, Range 91 West.

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 Nunn  
Project Engineer  
Water Quality Division

ADN/rm/9-1047

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

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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

( ) New  
(X) Modified

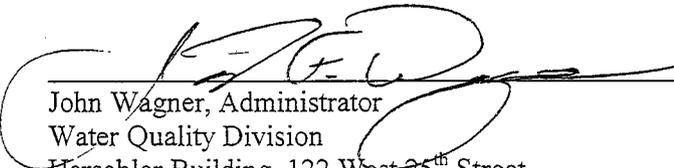
Permit Number **09-669**  
Previous Permits 07-338  
Facility Number WYS-007-00165

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: Anadarko E&P Company LP  
1099 18<sup>th</sup> St., Suite 1200  
Denver, Colorado 80202  
(303) 452-5603

Anadarko E&P Company LP, hereafter referred to as the Permittee, is authorized to operate forty-one (41) Coal Bed Methane injection wells located in Sections 2 and 12 within Township 14 North, Range 91 West; Sections 4, 5, 6, 8, 9, 15, 16, 17, 20, and 21 within Township 15 North, Range 91 West; Sections 3, 4, 5, 8, 10, 16, 17, 20, 21, 28, and 29 within Township 16 North, Range 91 West; Sections 10, 22, 34, 35, 14, 26, 28, 12, 13, 24, 23, 21, 15, 29, 11 within Township 17 North, Range 91 West of the 6<sup>th</sup> Principal Meridian, Carbon County; according to the procedures and conditions of application 09-669 and requirements and other conditions of this permit.

This permit shall become effective on date of issuance. This is a modified permit that was issued August 7, 2007. This permit will expire ten (10) years after issuance of the original permit on August 7, 2017.

  
\_\_\_\_\_  
John Wagner, Administrator  
Water Quality Division  
Herschler Building, 122 West 25<sup>th</sup> Street  
Cheyenne, WY 82002  
(307)-777-7781

3/30/10  
Date

  
\_\_\_\_\_  
John V. Corra, Director  
Department of Environmental Quality  
Herschler Building, 122 West 25<sup>th</sup> Street  
Cheyenne, WY 82002

3/30/10  
Date

ADN/rm/10-0253

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**A. Discharge Zone**

Forty-one (41) injection wells are authorized to inject into the Haystack Mountains Formation. The injection zone information is identified in **Table 1** as follows:

<b>WELL NAME</b>	<b>PERFORATED ZONE (FT BGS)</b>	<b>POROSITY</b>	<b>PAY ZONE THICKNESS (FT)</b>
AR Fed 1591 11-4i	2640-3590	18	197
AR Fed 1591 13-15i	2434-3384	18	197
AR Fed 1591 15-6i	4369-5319	18	197
AR Fed 1591 1-5i	2695-3845	14	90
AR Fed 1591 7-17i	4059-5009	17	197
AR Fed 1591 7-20i	4727-5677	13	197
AR Fed 1591 8i	4140-4226	16	197
AR Fed 1591 9-21i	3766-4716	15	197
AR Fed 1591 9i	3250-3979	16	197
AR Fed 1691 10-3i	2445-3220	18	331
AR Fed 1691 12-17i	2475-3250	18	331
AR Fed 1691 12-4i	2665-3440	17	331
AR Fed 1691 13-28i	2226-3176	17	197
AR Fed 1691 13-29i	2976-3922	18	197
AR Fed 1691 14-20i	2475-3250	18	331
AR Fed 1691 14-21i	2185-2960	18	331
AR Fed 1691 4-5i	2965-3740	17	331
AR Fed 1691 6-10i	2450-3375	17	331
AR Fed 1691 8i	3054-3160	16	331
AR Fed 1791 1-10i	3884-4704	15	249
AR Fed 1791 11-22i	3094-3914	16	249
AR Fed 1791 12-34i	2865-3640	17	331
AR Fed 1791 12-35i	2695-3470	17	331
AR Fed 1791 7-14i	2934-3754	16	249
AR Fed 1791 7-26i	2514-3334	17	249
AR Fed 1791 7-28i	3174-3994	16	249
AR Fed 1791 9-12i	2507-3337	17	249
AR Fee 1791 11-13i	2504-3324	17	249
AR Fee 1791 11-24i	2494-3314	18	249
AR Fee 1791 13-1i	3174-3394	16	249
AR Fee 1791 23i	4425-4850	16	125
AR Fee 1791 3-21i	4230-5250	16	125
AR Fee 1791 7-15i	4120-5140	16	120
AR Fee 1791 7-29i	3714-4534	15	249
AR Fee 1791 9-11i	3400-4420	16	125
AR State 1591 1-16i	2695-3845	16	150
AR State 1591 13-16i	3379-4329	17	197
AR State 1691 16i	2212-2888	17	331
Browning 1491 1-2i	2700-3017	21	95
Browning 1491 3-12i	2790-3410	21	201
Browning 1491 4-12i	2745-3370	22	152

Injection tubing and an injection packer will be set within 100 feet of the perforations in each well. Additional perforation zones may be extended within the Haystack Mountains Formation with the prior written approval of the Department. The length of time of operation of each well is ten years.

#### **B. Well Location and Authorized Operations**

The injection wells are located as outlined in **Table 2** (Page 5). The permittee is authorized to inject 25,000 barrels per day, (1,050,000 gallons per day) of produced water resulting from coal bed methane extraction.

The Area of Review and Maximum Injection Pressures are also in **Table 2** (Page 5). The Area of Review (radius of influence) is defined as a circle in radius surrounding the injection well. The area of review is determined by calculating the cone of influence, volumetric cylinder, or using a default radius of 1,320 feet, whichever is greater. The area of review assumes that the injectate moves radially outward from the point of injection.

The maximum injection pressure is limited so that no fracturing of the receiving formation can occur. Modification of the maximum allowable injection pressure may be modified following a valid step-rate test. The injection pressure change must have prior written approval of the Water Quality Division.

#### **C. Groundwater Classification**

The groundwater in the Haystack Mountain Formation is classified as Class III according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification was made because the groundwater in this formation has a total dissolved solids concentration of 2,200. 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. 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.

#### **E. Proper Operation and Maintenance**

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

facilities or similar systems only when necessary to achieve compliance with the conditions of this permit.

**Table 2: Well Location, Area of Review, and Maximum Injection Pressures**

WELL NAME	LOCATION	AREA OF REVIEW RADIUS (FT)	MAX INJECTION PRESS (PSI)
AR Fed 1591 11-4i	T15N, R91W, S4, SWNE	3356	705
AR Fed 1591 13-15i	T15N, R91W, S15, SWSW	3356	650
AR Fed 1591 15-6i	T15N, R91W, S6, SESW	3356	1167
AR Fed 1591 1-5i	T15N, R91W, S5, NENE	3115	1080
AR Fed 1591 7-17i	T15N, R91W, S17, NESW	3356	1083
AR Fed 1591 7-20i	T15N, R91W, S20, NESW	3356	1262
AR Fed 1591 8i	T15N, R91W, S8, SENW	3356	1300
AR Fed 1591 9-21i	T15N, R91W, S21, SENE	3356	1005
AR Fed 1591 9i	T15N, R91W, S9, SWSW	3356	1110
AR Fed 1691 10-3i	T16N, R91W, S3, SENW	3356	684
AR Fed 1691 12-17i	T16N, R91W, S17, SWNW	3356	1213
AR Fed 1691 12-4i	T16N, R91W, S4, SWNW	3356	1085
AR Fed 1691 13-28i	T16N, R91W, S28, SWSW	3355	594
AR Fed 1691 13-29i	T16N, R91W, S29, SWSE	3356	794
AR Fed 1691 14-20i	T16N, R91W, S20, SWSE	3356	1210
AR Fed 1691 14-21i	T16N, R91W, S21, SWSE	3356	670
AR Fed 1691 4-5i	T16N, R91W, S5, NWNW	3356	972
AR Fed 1691 6-10i	T16N, R91W, S10, SENW	3206	1041
AR Fed 1691 8i	T16N, R91W, S8, NWSE	3356	1393
AR Fed 1791 1-10i	T17N, R91W, S10, NENE	3356	1037
AR Fed 1791 11-22i	T17N, R91W, S22, SWNE	3356	826
AR Fed 1791 12-34i	T17N, R91W, S34, SWNW	3357	1224
AR Fed 1791 12-35i	T17N, R91W, S35, SWNW	3356	1193
AR Fed 1791 7-14i	T17N, R91W, S14, NESW	3356	783
AR Fed 1791 7-26i	T17N, R91W, S26, NESW	3356	671
AR Fed 1791 7-28i	T17N, R91W, S28, NESW	3356	847
AR Fed 1791 9-12i	T17N, R91W, S12, SENE	3356	669
AR Fee 1791 11-13i	T17N, R91W, S13, SWNE	3356	669
AR Fee 1791 11-24i	T17N, R91W, S24, SWNE	3356	666
AR Fee 1791 13-1i	T17N, R91W, S1, SWSW	3356	847
AR Fee 1791 23i	T17N, R91W, S23, NENW	3356	1140
AR Fee 1791 3-21i	T17N, R91W, S21, SENW	3082	1129
AR Fee 1791 7-15i	T17N, R91W, S15, NESW	3086	1100
AR Fee 1791 7-29i	T17N, R91W, S29, NESW	3356	992
AR Fee 1791 9-11i	T17N, R91W, S11, NESE	3097	908
AR State 1591 1-16i	T15N, R91W, S16, NENE	3107	975
AR State 1591 13-16i	T15N, R91W, S16, SWSW	3356	902
AR State 1691 16i	T16N, R91W, S16, NESW	3356	870
Browning 1491 1-2i	T14N, R91W, S2, SESE	2573	1305
Browning 1491 3-12i	T14N, R91W, S12, NWSW	3085	1001
Browning 1491 4-12i	T14N, R91W, S2	1987	1188

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

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

#### **F. 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.

#### **G. Environmental Monitoring Program for Groundwaters of the State**

##### **General Requirements:**

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

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

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

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.

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

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

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

- a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
- b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;
- c. A written submission shall be provided within five (5) days of the time the Permittee becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

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

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

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

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

## **H. Requirements for Monitoring the Discharge**

General Requirements:

The Permittee shall meter all water injected into each well.

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

**Table 3 (Injected Fluid Sampling Schedule)**

Sampling Schedule	Parameter Analyzed	Analytical Method	Permit Limit or UCL
Quarterly (grab)	Total Dissolved Solids	EPA Method 160.1	5,000 mg/L
	Sodium Adsorption Ratio	Calculated from other analysis	No limit
	Iron Fixing Bacteria	Standard Method	0
	Sulfate Reducing Bacteria	Standard Method	0
	Coliform Bacteria	Standard Method	0
	pH	EPA Method 150.1	> 6.5 and < 8.5
	Combined Volume	Flow meter	25,000 barrels/day
	Injection Pressure (max)	Gauge	As indicated in Table 2

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

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

**I. 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.

**J. Records and Reports**

The Permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The Permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Reports of compliance or noncompliance with, and any progress reports on, interim and final requirements contained in any compliance schedule shall be submitted no later than thirty (30) days following each schedule date. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the Permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been

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

#### **K. Permit Actions**

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

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

1. Violation of this permit;
2. Obtaining a permit by misrepresentation of facts in the application; or
3. Failure of the tubing, casing, cement, or confining layers.

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

#### **L. Mechanical Integrity**

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

#### **M. Abandonment or Conversion to Water Wells**

General Requirements:

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

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

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

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

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

#### **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.

#### **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. Noncompliance resulting in a violation shall be reported to the Administrator orally within twenty-four (24) hours, and a written submission shall be provided within five (5) days of the time the Permittee becomes aware of the violation. The written report shall contain the sections specified in Section K of this permit. Any permit noncompliance constitutes a violation of this permit.

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

#### **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.

**END OF PERMIT**

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

- A. UIC Permit Number: 09-669
- B. Facilities Covered: Forty-one (41) 5C5 injection wells
- 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 December 7, 2009 and ending on January 6, 2010 (30 day notice as required by Wyoming Water Quality Rules and Regulations, 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 Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6. This review was performed by Adrienne Nunn, Project Engineer, and completed on December 4, 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".



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

March 30, 2010

Mr. David H. Stephens  
Environmental Manager - Rockies  
Anadarko E&P Company LP  
1099 18<sup>th</sup> St., Suite 1200  
Denver, CO 80202

RE: Final Permit **09-669**, Facility WYS 007-00165  
Class V CBM Injection Well System  
Carbon County, Wyoming

Mr. Stephens:

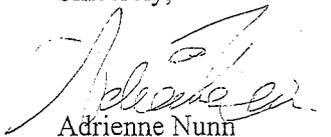
Attached is one copy of the Class V permit for the above referenced facility. This permit requires reporting on a quarterly basis within 45 days of the end of each calendar quarter, a one-time baseline groundwater sample from the perforated intervals of new wells, a one-time pressure falloff test for new wells, and a mechanical integrity test once every five (5) years for all wells.

The permit application, draft permit, final permit, public notice, and report forms are available for review on the GEM website <https://gem.trihydro.com>. It is requested that report forms be submitted electronically via the on-line database with a hard copy mailed to this office.

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 or by email at [anunn@wyo.gov](mailto:anunn@wyo.gov)

Sincerely,

  
Adrienne Nunn  
Project Engineer  
Water Quality Division

ADN/rm/10-0253

Enclosures: Permit

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

December 4, 2009

David Stephens  
Environmental Manager  
Anadarko E&P Company LP  
1099 18<sup>th</sup> St., Ste 1200  
Denver, CO 80202

RE: Anadarko E&P Company LP Injection Pressure Increase  
Permit Modification **09-669** (ref 08-799), AR Fed. 1691 6-10i, Class V CBM  
Injection Wells  
Carbon County, Wyoming

Dear Mr. Stephens:

Anadarko E & P Compnay, LP has submitted a step-rate test and request for an injection pressure increase from 720 psi to 1041 psi. The injection well disposes of wastewater into the Haystack Mountain Member of the Mesa Verde Formation located in Section 10, Township 16 North, Range 91 West.

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 Nunn  
Project Engineer  
Water Quality Division

ADN/rm/9-1047

cc: Allen & Crouch Petroleum Engineers, Inc., Attn. Bill Allen P.E., 646 River Cross Road, Casper, WY 82601

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ADN

09-669

ALLEN & CROUCH  
PETROLEUM ENGINEERS, INC.

MAILING ADDRESS  
P.O. Box 976  
CASPER, WYOMING 82602

646 RIVER CROSS ROAD  
CASPER, WY 82601

307-234-3571  
FAX: 307-234-9865  
email: bill@allenandcrouch.com

October 13, 2009

OCT 19 2009

DEQ/Water Quality Division  
UIC Program  
122 West 25th Street  
Herschler Building, 4th Floor-West  
Cheyenne, Wyoming 82001

Re: Anadarko E & P Co. LP  
AR Fed. 1691 6-10i  
Class V Disposal Wells  
Step-Rate Test  
Atlantic Rim Area  
Carbon County, WY

Gentlemen:

Attached please find the surface and bottom-hole pressure versus rate plots for the referenced well. As shown on the bottom-hole plot, there was an obvious break at 8.1 bpm and 2000 psi, which is equivalent to a frac gradient of 0.817 psi/ft.

Referring to the results shown on the surface step-rate plot, Anadarko requests a maximum surface pressure and rate of 1041 psi and 8.1 bpm.

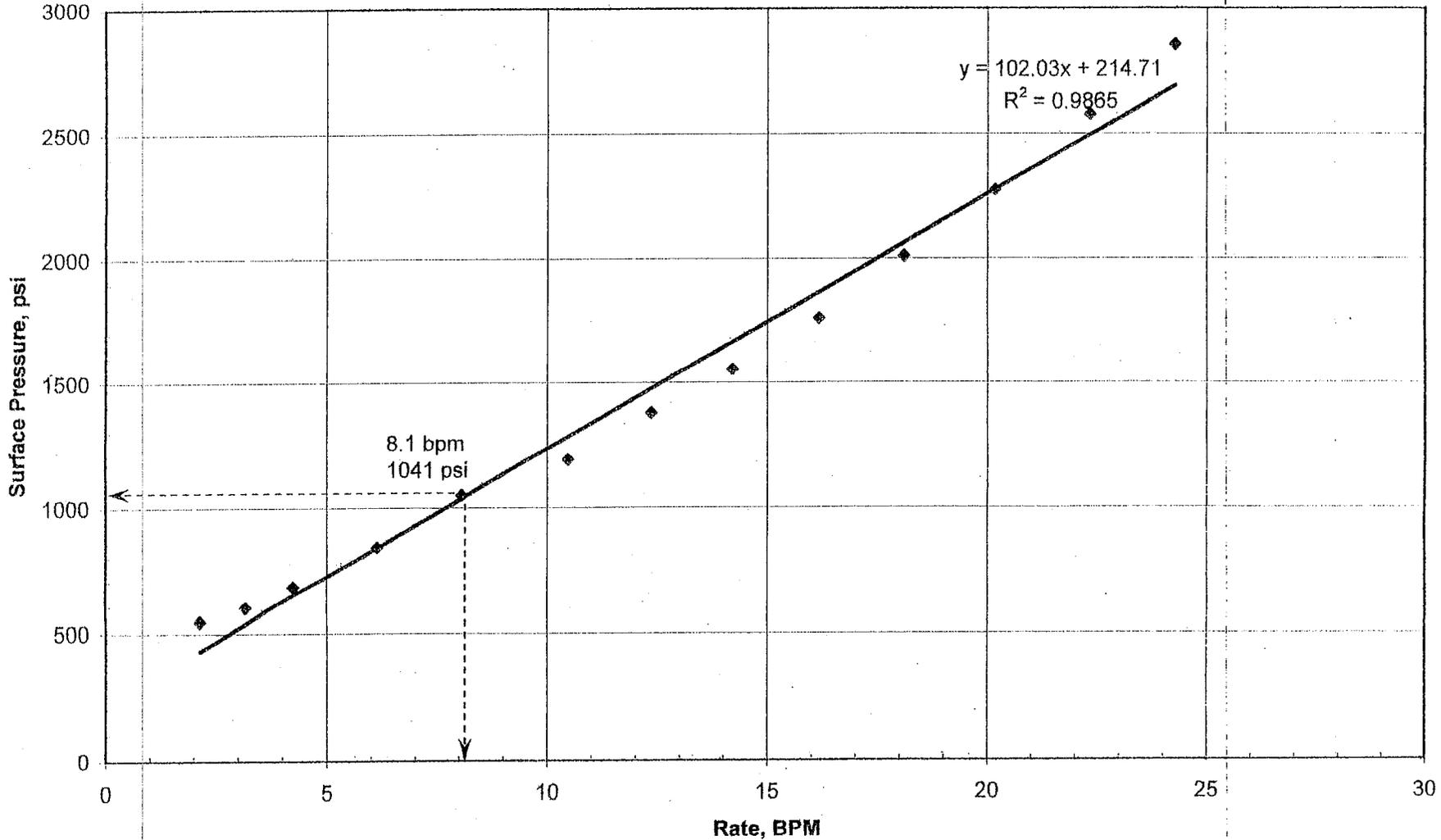
Please don't hesitate to call with any questions, or if you need additional information.

Sincerely,

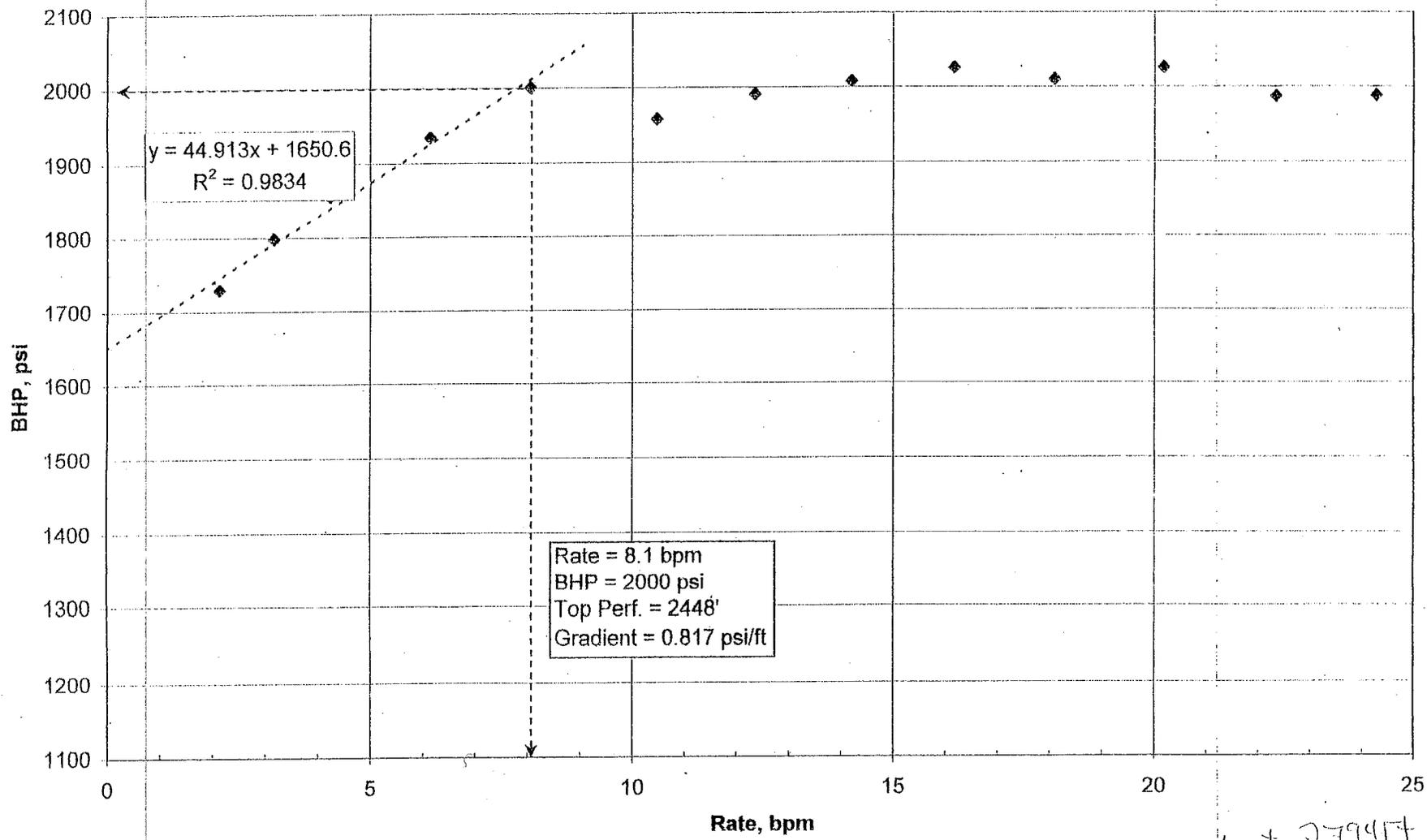
William W. Allen, P.E.  
WY License No. 5633  
for Anadarko E & P Co., LP

cc: Anadarko w/ attachments

AR Fed. 1691 6-10i  
Surface Step-Rate Test



AR Fed. 1691 6-10i  
BH Step-Rate Test



BHP Set at 279477



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

March 29, 2010

Douglas E. Chandler  
Dyno Nobel, Inc.  
P.O. Box 1287  
Cheyenne, WY 82003

RE: UIC Class I Application **09-670**

Dear Mr. Chandler:

This letter is to advise you that we received an Underground Injection Control (UIC) permit application to renew an existing UIC permit (00-035) for the Cheyenne plant Class I disposal wells No. 1, 2, 3, and 4. The application was received December 3, 2009 and is currently under administrative review by our office.

Our decision to issue or deny the permit will not occur prior to the existing permit expiration date, March 30, 2010. In that case, Dyno Nobel can continue to operate under the existing permit (00-035) until such time that the department issues its decision to either issue or deny a renewal permit.

Please feel free to contact Kevin Frederick with the UIC Program at 307-777-5985 if you have any questions.

Sincerely,

John F. Wagner, Administrator  
Water Quality Division

JFW/rm/10-0251

cc: Kevin Frederick, WQD  
WDEQ UIC File

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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

February 17, 2010

Douglas E. Chandler  
Dyno Nobel, Inc.  
P.O. 1287  
Cheyenne, WY 82003

RE: 09-670, Injection Wells No. 1, 2, 3, 4  
Class I underground injection control application, Laramie County

Dear Mr. Chandler:

Dyno Nobel's application to renew the Class I Underground Injection Control permit number 00-035 was received on December 3, 2009. After preliminary review, WDEQ has determined that it is incomplete. Additional information will be required on the following topics:

- The structural geology of the Dyno Nobel plant site and vicinity including an explanation of photolinear features (Water Quality Rules and Regulations, Chapter 13. Section 12.b and c.i),
- Update the regional seismicity evaluation (WQRR, Chapter 13. Section 12.b),
- Update the mineral resource evaluation considering recent models for petroleum exploration (WQRR, Chapter 13. Section 12.b),
- Identification of the lowermost USDW above the Hygiene as the Fox Hills or some unit in the Pierre Shale and a more thorough description of that unit (WQRR, Chapter 13. Section 12.a),
- For injection into the Hygiene, determination of whether the Pierre Shale would meet the criterion of WQRR Chapter 13. Section 12.c.ii to trap waste moving upward from the injection zone,
- Summary of economic factors to consider for a Class VI designation (WQRR, Chapter 8. Section 4.d.ix.C),
- Recalculation of the radius of influence with the life of the facility and a more realistic estimate of head in the lowermost USDW (WQRR, Chapter 13. Section 5.b.iv),
- Recalculation of the maximum surface injection pressure taking into tubing losses at actual rather than permitted injection rates (WQRR, Chapter 13. Section 9.d.ii),
- Further characterization of Dyno Nobel's business and products, and
- Further characterization of the waste stream.

I will provide details to clarify the above points as time permits.

If you have any questions, please contact me at (307) 777-2960 or [glangs@wyo.gov](mailto:glangs@wyo.gov). Thank you for your patience.

Sincerely,

George D. Langstaff  
UIC Program, Water Quality Division

GDL/rm/10-0119

cc: Gene R. George, Gene R. George & Associates, Inc., PO Box 2775, Casper, WY 82602  
Kevin Frederick, Ground Water Protection and UIC, WDEQ  
WDEQ UIC file

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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

December 23, 2009

City of Torrington  
Robert Juve, City Engineer  
2042 West A Street  
Torrington, WY 82240

RE: 2009 Water Line Rehab. Project  
Application No. 09-671, Goshen County

Dear Mr. Juve:

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 installation of 8 inch PVC water main, installation of six new manholes, installation of 8 inch PVC sewer main, and installation of 12 inch PVC sewer main, SE ¼ SW ¼ Section 10 and NW ¼, SW ¼, and SE ¼ Section 10, T24N R 61W; Goshen 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 December 22, 2011.

The sanitary sewer main must be installed using a sewer laser to ensure an accurate and uniform grade. All flat grade sewers should be installed under the supervision of a full time inspector.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp). Please reference Application No. 09-671 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/9-1130

Enclosure: Certificate of Completion  
cc: IPS, Cheyenne  
Lynn Hill, DOWL HKM, 16 W. 8<sup>th</sup> Street, Sheridan, WY 82801

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

December 22, 2009

Laramie County Community College  
Tim MacNamara, Director of Physical Plant  
1400 E. College Drive  
Cheyenne, WY 82007

RE: LCCC Dining Hall Facility Renovation  
Application No. **09-672**, Laramie County

Dear Mr. MacNamara:

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 installation of approximately 260 feet of 8 inch PVC water main, remove and relocate one fire hydrant, one domestic service, one fire sprinkler service, two sanitary services, SW¼ SE ¼ Section 9, T13N R 66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by December 22, 2011.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:  
[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp). Please reference Application No. **09-672** 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/9-1121

Enclosure: Certificate of Completion

cc: IPS, Cheyenne  
Erin Gates, Benchmark Engineers, 1920 Thomes Ave., Suite 620, Cheyenne, WY 82001

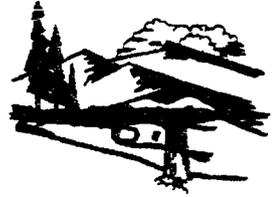
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ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752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

January 5, 2010

Mr. & Mrs. David Harvin  
111 Maple Valley  
Houston, Texas 77056

RE: Harvin Residential Septic System, Application No. **09-673**  
Location: SW¼, Section 18, T17N, R83W, Carbon County  
Lot 16, Block 1, Old Baldy First Addition Subdivision

Dear Mr. and Mrs. Harvin:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **4 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 January 5, 2012. Please reference Application Number **09-673** 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/10-0007

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

cc: IPS, Cheyenne  
Kent Smith, P.O. box 684, Saratoga, Wyoming 82331  
Kristy Rowan, Carbon County Planning Office, 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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**REVIEW OF PLANS & SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION**

**PROJECT:** Taft Small Residential Septic System

**ENGINEER/ CONSULTANT:** None

**APPLICANT:** Tory Taft, 391 Dry Creek Rd, Upton, WY 82730

**INSTALLER:** Applicant

**WATER QUALITY DIVISION APPLICATION NUMBER:** 09-674

**REVIEWING ENGINEER:** Suzanne Engels 307.777.6941 or spagor@wyo.gov 

**DATE OF REVIEW:** December 16, 2009

**ACTION:** **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 12(a), Chapter 3, Wyoming Water Quality Rules and Regulations (WWQRR), this application is **not granted**. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with Section 9 of Chapter 3 of the WWQRR. If the applicant fails to provide the requested information within one month, the incomplete application shall be returned.

1. As required on the Wyoming Water Quality Application Form, please provide the State Engineer's Office permit number for the water well.
2. As described in the percolation test procedure instructions, the percolation test must be completed to the proposed depth of the leachfield. Your proposed depth of the leachfield is 60 inches while the percolation tests were completed at 32, 33, and 34 inches. The percolation tests must be redone at 60 inches or the depth of the leachfield must be raised to 34 inches; please advise.
3. Based on the proposed design, the required total minimum trench length is 291 feet however; the leachfield detail sheet only shows 2 trenches at 60 feet each. Please revise the length of the trenches and submit the appropriate leachfield detail sheet. Please note, that leachfield trenches should be limited to less than 100 feet to insure proper infiltration and handling of wastewater.
4. Please submit the septic tank detail sheet.
5. Please clarify the last two readings from the percolation test hole #1 and #3.
6. Please submit a completed site plan that includes the following:
  - a. North arrow
  - b. Property lines
  - c. Well and water lines
  - d. Location of any surface water
  - e. Driveway access
  - f. Location of the percolation test holes
  - g. Location of the septic system replacement area

The required paperwork can be found online:

<http://deq.state.wy.us/wqd/www/Permitting/Pages/SMWW/SMWW.asp>

Please make the required corrections and return to Wyoming Department of Environmental Quality, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, Wyoming 82601

SE/rm/9-1103

# PERCOLATION TEST RESULTS

1. Performed by: Tony Taft Test Date(s): 11-20-09  
 Credentials or Status of Tester: Owner  
 (Owner, contractor, installer, engineer, geologist, sanitarian, soil scientist, or other)
2. The time interval (ti) between water level measurements was: 10 minutes.
3. TEST DATA: The test holes were PRESOAKED for:      hours, or  overnight.

Test Hole # is:		<u>1</u>	<u>2</u>	<u>3</u>
Hole depth (inches) =		<u>34"</u>	<u>33"</u>	<u>32"</u>
Interval Number	Elapsed Time	Water Level / Drop	Water Level / Drop	Water Level / Drop
Start =	<u>0 min</u>	<u>17"</u>	<u>17"</u>	<u>17"</u>
1	<u>10</u>	<u>17 3/4" 3/4</u>	<u>17 5/8" 1/2</u>	<u>17 3/4" 3/4</u>
2	<u>20</u>	<u>18 1/4" 1/8</u>	<u>18 1/8" 3/8</u>	<u>18 1/2" 1/2 1/4</u>
3	<u>30</u>	<u>18 3/8" 1/8</u>	<u>18 1/2" 1/4</u>	<u>18 3/4" 3/8</u>
4	<u>40</u>	<u>18 1/2" 1/2</u>	<u>18 3/4" 1/4</u>	<u>19 1/8" 5/8</u>
5	<u>50</u>	<u>19" 1/4</u>	<u>19" 1/8</u>	<u>19 3/4" 5/8</u>
6	<u>60</u>	<u>19 1/4" 1/8</u>	<u>19 1/8" 3/8</u>	<u>20 3/8" 3/8</u>
7	<u>70</u>	<u>19 3/8" 3/8</u>	<u>19 1/2" 1/4</u>	<u>20 3/4" 3/4</u>
8	<u>80</u>	<u>19 3/4" 3/8</u>	<u>19 3/4" 2/8</u>	<u>21 1/2" 2/8</u>
9	<u>90</u>	<u>20 1/8" 3/8</u>	<u>20" 2/8</u>	<u>21 5/8" 2/8</u>
10	<u>100</u>	<u>20 1/2" 3/8</u>	<u>20 2/8</u>	<u>22 1/8" 2/8</u>
Final Drop (NOT Total) =		<u>3/8</u>	<u>1/4</u>	<u>1/4</u>

Perc rate (mpi) is: 30 ~~mi~~ 40 min 40 min  
 [ ti / Final Drop ] =

- a. If 6 or more holes were tested, the average perc rate was:      mpi, or  
 b. If 3 to 5 holes were tested, the slowest perc rate (largest number) was: 40 mpi.



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

January 5, 2010

Andrew Beamer, P.E.  
City of Casper  
200 North David Street  
Casper, WY 82601

RE: City of Casper Area Wide Sanitary Sewer Rehabilitation-Phase II, WDEQ #09-675,  
City of Casper, WY

Dear Mr. Beamer:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permits and the materials submitted in your application package. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

Enclosures: Certificate of Completion

cc: Scott Baxter, P.E., City of Casper, 200 North David Street, Casper, WY 82601  
WDEQ File  
IPS





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

January 15, 2010

Chairman  
Sheridan County Commissioners  
224 S. Main, Suite B1  
Sheridan, WY 82801

RE: Longhorn Subdivision – Re-Submittal, Sheridan County  
WDEQ Application #09-676

Dear Commissioners:

This subdivision application re-submittal was received in this office on November 16, 2009. The Department of Environmental Quality is required by law to respond with comments within 60 days after receipt of the application as described in W.S. §18-5-306 (c). Due to incomplete and/or missing information, we are unable to make a determination at this time of the safety and adequacy of the proposed water and sewer systems. As a result, the 60-day time statute as defined in W.S. §18-5-306 has expired. The statute does not allow the extension of the 60 day completion date even with the consent of all parties.

**Recommendation:**

The Department of Environmental Quality is making an adverse recommendation for the Longhorn Subdivision, Sheridan County, Department of Environmental Quality / Water Quality Division Application #09-676. This recommendation is provided pursuant to W.S. §18-5-306.

**Re-submittal:**

If the County Commissioners desire a determination of the safety and adequacy of the proposed water and sewer systems from the Department of Environmental Quality, the developer should re-submit the **complete** application with the additional information necessary. The submittal will be assigned a new application number with a new 60 day clock.

Please feel free to contact me at (307) 473-3478 should you have any questions related to these comments or the application and review process.

Sincerely,

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

cc: Toby and Marie Johnson, P.O. Box 608, Big Horn, WY 82833  
Tom Pilch, P.E./PG., Pilch Engineering, 41 East Burkitt Street, Sheridan, WY 82801  
Sheridan County Engineer, 224 S. Main Street, Ste B8, Sheridan, WY 82801  
Mike Ebsen, SEO with enclosure  
WDEQ Subdivision file, (IPS) Cheyenne



## **WDEQ COMMENTS**

### **Safety and Adequacy of Proposed Sewage System**

- 1) Chapter 23, Section 7(a)(ii) – The submitted response included a copy of the permit on file with Sheridan County for Lot 9. There was no discussion on the adequacy of the installed system, which is what the original review requested. In addition, there was no information given on the existing septic system in place on Lot 10, other than there appears to be no permit on file with Sheridan County. Please provide information on the safety and adequacy of the existing systems as they relate to the area's seasonal high groundwater, shallow domestic wells outside of the subdivision, and alluvial soils.
- 2) Chapter 23, Section 7(d)(v) – The submitted response provided a preliminary plat that showed those areas within the subdivision that will prohibit the siting of septic systems or will require mounded systems. However, the consultant did not provide an estimate on how much area will remain for each lot to allow for a septic system. For example, Lot 2 appears to have less than 1 acre remaining to site a septic system, a replacement area, and a house.

### **Safety and Adequacy of the Proposed Water System**

- 3) Chapter 23, Section 8 (a)(iv) – The submitted response states that the water rights for the proposed subdivision have been submitted to the State Engineer's Office for approval. Our office has received a copy of the preliminary review performed by the Board of Control (12/4/09); however, we have no further information on whether or not these comments have been addressed satisfactorily.
- 4) Because SAWS does not allow the use of public water for lawn and garden use, it is likely that the subdivision will use existing irrigation rights, surface water rights, or groundwater wells for watering. Please address.



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

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### NOTIFICATION OF COVERAGE

February 22, 2010

Kent Ward, Administrator  
Johnson County Hospital District  
497 W. Lott  
Buffalo, WY 82834

RE: Johnson County Healthcare Hospital Addition and Remodel, WDEQ #09-677

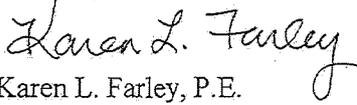
Dear Mr. Ward:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Public Water Supply Distribution Systems in accordance with Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations and for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permits and the materials submitted in your application package. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

Enclosures: Certificate of Completion

cc: Mark G. Westenskow, P.E., CTA Architects Engineers, P.O. Box 1153, Livingston, MT 59047  
Les Hook, City of Buffalo  
WDEQ File, IPS (Cheyenne)

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

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

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 09-678

Town of Afton East Alley Well Modification  
PWS # 5600002

This permit hereby authorizes the applicant:

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

to modify a public water supply well by installing a concrete plug to encase a lead weight which was accidentally dropped down the well while the water level was being measured according to the procedures and conditions of the application number 09-678. The facility is located in Afton at Lat 42.7244, Lon 110.9317 in the county of Lincoln, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 22, 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.

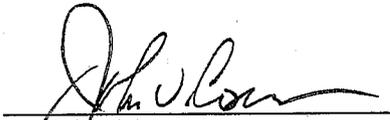
This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

- 1 of 4 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 4 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 4 After, the concrete plug has cured, water from the water well is to be tested for both lead and antimony. The tested results must be submitted to the Southwest District Engineer.
- 4 of 4 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

12/29/2009  
Date of Issuance

PDR/rm/9-1139

## STATEMENT OF BASIS

1. Permit Number: 09-678
2. Application reviewed for compliance with the following regulations:  
Chapters 3, and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?  
Yes
4. If a Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.  
NA. This is a minor modification to an existing public water well.
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 Perry Roberson and approved by Mark D. Baron, P.E., mbaron@wyo.gov, Southwest District Engineer and completed on December 22, 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: Ryan J. Erickson, Sunrise Engineering, Inc. PO Box 609, Afton, WY 83110



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

February 22, 2010

Richard Edmond  
205 N. 5<sup>th</sup> E.  
Riverton, WY 82501

RE: Central Wyoming Shopping Center Sanitary Sewer Extension. DEQ Permit #09-679, Fremont County, SE ¼, Sec 22, T1N, R4E, W.R.M.

Dear Mr. Edmond,

This project consists of the installation of approximately 800 linear feet of 8-inch SDR 35 sanitary sewer main, (5) Sanitary sewer manholes. Approximately 12 linear feet inch C900 and (1) Fire hydrant assembly relocation.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Part B 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.

These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

If you have any questions, please contact Hannes Stueckler at 307-335-6964 or James Brough at 307-335-6961.

Sincerely,

Hannes E. Stueckler  
Assistant Northwest District Engineer  
Water Quality Division

James Brough, P.E.  
Northwest District Engineer  
Water Quality Division

xc: PDF to Cheyenne  
Terry Zenk P.E., Apex Surveying, Inc. P.O. Box 1751, Riverton, WY 82501

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

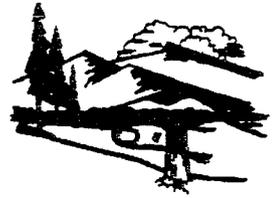
SOLID & HAZARDOUS WASTE  
(307) 332-6924  
FAX 332-7726

WATER QUALITY  
(307) 332-3144  
FAX 332-7726





# 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

December 17, 2009

Michael Baldwin  
Wyoming Refining Company  
PO Box 820  
Newcastle, WY 82701

RE: Wyoming Refining Company Wastewater Holding Tank for No. 1 Control Room and Alky Change-Room, WDEQ # 09-680

Dear Mr. Baldwin:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

If you have any questions, please contact me at (307) 777.6941.

Sincerely,

Suzanne Engels  
WDEQ/WQD

SE/rm/9-1108

cc: IPS, Cheyenne  
WYDEQ Casper File  
Mike Farnsworth, Wyoming Refining Company, PO Box 820, Newcastle, WY 82701  
Ray Pacheco, Weston County Growth & Development Office, 1 W Main St, Newcastle, WY 82701 (no enclosure)





# 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

December 23, 2009

John Abbott, Mayor  
Town of Meeteetse  
P.O. Box 38  
Meeteetse, WY 82433

RE: Meeteetse Rodeo Grounds 2010 Sewer Connection. DEQ Permit #09-681, Park County,  
Lat 44.1511, Long -108.8601

Dear Mayor Abbott,

This project consists of the installation of approximately 850 linear feet of 8-inch sewer line from the Meeteetse rodeo grounds to the town's sewer main.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Part B 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.

These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

If you have any questions, please contact Hannes Stueckler at 307-335-6964 or James Brough at 307-335-6961.

Sincerely,

Hannes E. Stueckler  
Assistant Northwest District Engineer  
Water Quality Division

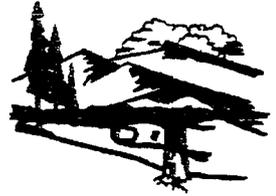
James Brough, P.E.  
Northwest District Engineer  
Water Quality Division

xc: PDF to Cheyenne  
David Knoepke P.E., James Gores and Associates, 11 N. 3<sup>rd</sup> St. E., Riverton, WY 82501





# 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

December 17, 2009

Dustin and Amber Wendling  
PO Box 691  
Moorcroft, WY 82721

RE: Wendling Small Residential Wastewater System, Crook County  
Location: SESW ¼, Section 13, T50N, R66W; Permit # 09-682

Dear Mr. and Mrs. Wendling:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
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.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels  
WDEQ/WQD

SE/rm/9-1109

cc: IPS, Cheyenne  
WYDEQ Casper File  
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729

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

December 22, 2009

Chuck Johnson  
Reliance Sewer District  
P.O. Box 125  
Reliance, WY 82943

RE: Reliance Sewer District - Sewer Main #2 Partial Replacement - Permit Number 09-684, Lat: 41.1941°, Long: 109.1941°, Sweetwater County

Dear Mr. Johnson:

The above application for coverage under General Permit to Construct the replacement of a sewage collection system consisting of about 534 linear feet of 8-inch PVC sewer main in the alley way between Main St. and South St. from 3<sup>rd</sup> St. to 4<sup>th</sup> St. in accordance with Chapter 3, Section 7 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the 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. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

PDF to Cheyenne

Randy J. Hansen, P.E., JFC Engineers & Surveyors, 1515 9<sup>th</sup> Street, Suite A, Rocks Springs, WY 82901

Debby Dellai Boese, Sweetwater County Board Of Commissioners, 80 West Flaming Gorge Way, Green River, WY 82935



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 09-683

Aspens Wastewater Treatment Plant - Equalization Basin & Aerobic Digester Aeration

This permit hereby authorizes the applicant:

Greg Olson, District Manager  
Aspens I & II Water & Sewer District  
P.O. Box 25201  
Jackson, WY 83001

to replace the existing wide band coarse bubble diffusers with Tideflex coarse bubble diffusers within the equalization basin, install a coarse bubble aeration system with a new blower in the aerobic digester, and to install a new Tideflex aeration system in Holding Tank 1; according to the procedures and conditions of the application number 09-683. The facility is within NW ¼, SW ¼, Section 14, T41N, R117W in the county of Teton, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by January 31, 2012.

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

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

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

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

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

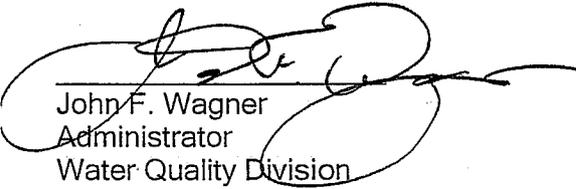
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

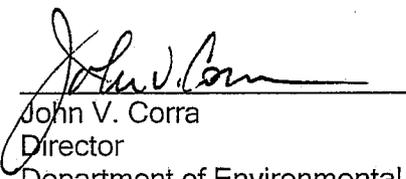
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

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

1/10/20  
Date of Issuance

JSB/rm/10-0015

## STATEMENT OF BASIS

1. Permit Number: 09-683
2. Application reviewed for compliance with the following regulations:  
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?  
Yes.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.  
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.  
This facility is covered under UIC Permit No. 00-331.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, james.brough@wyo.gov, Northwest District Engineer and completed on January 6, 2010. 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: Brian Lenz, P.E., Jorgensen Associates, P.O. Box 9550, Jackson, WY 83002

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 09-685R

Town of Pinedale - UV Disinfection Facility for Fremont Lake Intake  
PWS Number WY5600041

This permit hereby authorizes the applicant:

Eugene D. Ninnie, P.E.  
Town of Pinedale  
P.O Box 709  
Pinedale, WY 82941

to construct a 4.43 million gallon per day (maximum daily flow)(maximum flow rate for the East Transmission Line is 4500 gallon per minute, maximum flow rate for the West Transmission Line is 8300 gallons per minute) water treatment plant consisting of an Ultraviolet Light Disinfection System Building, 4 Ultraviolet Light Treatment Units, a Sodium Silicate Corrosion Control System, an On-Site Sodium Hypochlorite Generation system a Stand By Generator and Sewage Holding Tank according to the procedures and conditions of the application number 09-685R. The facility is located about 3.0 miles northeast of the Town of Pinedale at the foot of Fremont Lake, within the NW ¼ of Section 23, T34N, R109W in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by March 3, 2012.

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:

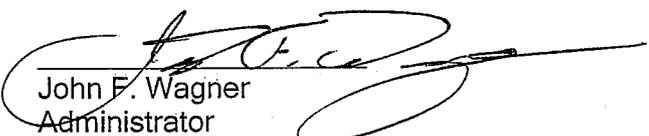
1 of 3            The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 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

3-9-10  
Date of Issuance

## STATEMENT OF BASIS

1. Permit Number: 09-685R
2. Application reviewed for compliance with the following regulations:

Chapters 11 and 12.

3. Does the permit comply with all applicable regulations identified above? No.

Chapter 12, Section 10 (i) does not list Ultraviolet Light Disinfection as an approved water treatment system. The proposed ultraviolet light disinfection process is specified to meet EPA criteria for the Final LT2 rule and follows EPA 815-R-06-007 Ultraviolet Disinfection Guidance Manual For The Final Long Term 2 Enhanced Surface Water Treatment Rule, 2006.

Chapter 12, Section 8 (c)(i)(A,B and C) requires the minimum level of treatment for surface waters to include both filtration and disinfection. Per the EPA July 29-30 Sanitary Survey the Town of Pinedale's source water currently meets the criteria to avoid filtration: Low coliform (total and fecal), Low turbidity, Watershed control program, Annual on-site inspection (see previous), No water-borne disease outbreaks, Comply with total coliform MCL, Disinfection requirements with treatment standards to ensure 99.9% inactivation of *Giardia*, Disinfection requirements with treatment standards to ensure 99.99% inactivation of viruses, Redundant disinfection equipment, Required distribution residual disinfectant concentrations. The Town has committed to install UV disinfection to provide at least 3-logs of *Cryptosporidium* inactivation per the LT2SWTR; the UV must be installed by October 1, 2014.

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

Water treatment plants are exempted from review by Chapter 3, Section 17.

5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

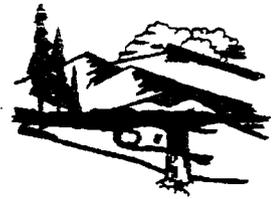
The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, P.E., Southwest District Engineer, mbaron@wyo.gov, and completed on March 3, 2010. 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:

Bernard E. Poppenga, P.E., 2000 S. Colorado Blvd., Suite 2-300, Denver, CO 80222  
Kevin Frank, P.E., Wyoming Dept. of Environmental Quality, Casper, WY  
Wade Verplancke, P.E., Wyoming Water Development Commission, 6920 Yellowtail Road,  
Cheyenne, WY 82002



# 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

December 23, 2009

Matthew Wood  
PO Box 676  
Moorcroft, WY 82721

RE: Wood Small Residential Wastewater System, Crook County  
Location: SWSE ¼, Section 1, T51N, R67W; Permit # 09-686

Dear Mr. Wood:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
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.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels  
WDEQ/WQD

SE/rm/9-1131

cc: IPS, Cheyenne  
WYDEQ Casper File  
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729

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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

January 11, 2010

Jeffrey Pecenka  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82001

RE: 2010 Water Rehabilitation Projects  
Application No. **09-687**, Laramie County

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 and or Existing Sewage Collection Systems described as replacement of aged or problem water mains in various locations throughout Cheyenne, Section 1, T13N, R67W and Section 33, T14N, R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the 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 11, 2012.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp). Please reference Application No. **09-687** 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/10-0025

cc: IPS, Cheyenne  
Jeffrey Pecenka, CBOPU., P.O. BOX 1469, Cheyenne, WY 82001

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# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 11, 2010

Jeff Pecenka  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003

RE: 2010 Sewer Lining Projects,  
Application No. **09-688**, Laramie County

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 and or Existing Sewage Collection Systems described as Sewer Rehabilitation for City of Cheyenne. This project is annual sewer main lining at various locations, Section 5 and Section 6 T13N, R66W, Section 31, T14N, R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by January 11, 2012.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp). Please reference Application No. **09-688** 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/10-0026

cc: IPS, Cheyenne  
Jeff Pecenka, CBOPU, P.O. Box 1469, Cheyenne, WY 82001

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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

January 11, 2010

Jeff Pecenka  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003

RE: 2010 Sewer Rehabilitation Projects,  
Application No. **09-689**, Laramie County

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 and or Existing Sewage Collection Systems described as sewer main reconstruction at various locations in Cheyenne, Section 5, T13N, R66W, Section 32, T14N, R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by January 11, 2012.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp). Please reference Application No. **09-689** 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/10-0027

cc: IPS, Cheyenne  
Jeff Pecenka, CBOPU, P.O. Box 1469, Cheyenne, WY 82001

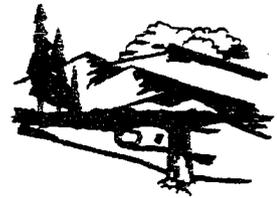
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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

January 5, 2010

Cindy Schanaman  
Box 163  
Chugwater, WY 82201

RE: Schanaman Residential Septic System, Application No. **09-690**  
Location: NE¼ SE¼, Section 8, T20N, R67W, Platte County

Dear Ms. Schanaman:

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 January 4, 2012. Please reference Application Number **09-690** 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/10-0003

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

cc: IPS, Cheyenne  
Jack E. Johnson, Johnson's Pump & Excavating, 31 South Gap Road, Wheatland,  
Wyoming 82201  
Platte County Planning Office, Dennis Becker, P.O. Box 728, Wheatland,  
Wyoming 82001

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. 09-692

REFERENCE PERMIT NO. N/A

Bradford Brinton Storage Tank Improvements

This permit hereby authorizes the applicant:

Sheridan Area Water Supply  
224 South Main  
Sheridan, WY 82801

to construct and install the Bradford Brinton Storage Tank – Hydrodynamic Mixing System, according to the procedures and conditions of the application number 09-692. The facility is located southeast of Big Horn, Wyoming, and is further located in the SE ¼, NW ¼, Section 9, Township 54 North, Range 84 West, Sheridan County, 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 permit conditions or other operational requirements. Compliance with all applicable 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 Northeast District, Water Quality Division, 152 North Durbin, 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.

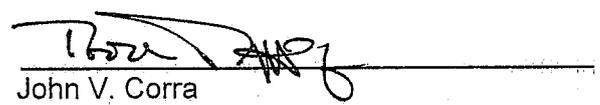
2 of 3                   Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.

- a.     Date that construction of the facility was completed; and
- b.     Date that the facility was placed in operation; and
- c.     Certification the facility was constructed in accordance with the terms and conditions of the permit; or
- d.     Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.

3 of 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

2-22-10  
\_\_\_\_\_  
Date of Issuance

KLF/rm/10-0138

cc: Ryan R. Christensen, P.E., Vista West Engineering, 1470 Sugarland Drive, Ste. 3, Sheridan, WY 82801

## STATEMENT OF BASIS

1. Permit Number: **09-692**
2. Application reviewed for compliance with the following applicable regulations :  
Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?  
  
YES
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.  
  
N/A
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley and completed on February 22, 2010. 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."



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

February 19, 2010

Les Hook  
City of Buffalo  
46 North Main Street  
Buffalo, WY 82834

RE: Hogerson Street Water Main Replacement, WDEQ #09-693, City of Buffalo, WY

Dear Mr. Hook:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Public Water Supply Distribution Systems in accordance with Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permits and the materials submitted in your application package. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additional conditions of the permit apply:

- 1) Any excavated areas encountered that exhibit staining or odors indicative of hydrocarbon contamination must be reported immediately to the Wyoming Department of Environmental Quality at 307-473-3478 for evaluation.
- 2) Property owners are required to demonstrate that the appropriate backflow prevention is in place prior to connecting onto the new mains. If this is not made available and/or does not meet the requirements of the WDEQ/WQD Chapter 12 Rules and Regulations, connection shall not be allowed.

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

Sincerely,

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

Enclosures: Certificate of Completion

cc: Brent A. Bennett, P.E., Grizzly Engineering, P.O. Box 1004, Buffalo, WY 82834  
WDEQ File, IPS

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

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

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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

May 3, 2010

Keith Bowar  
Campbell County Building Inspection  
500 S Gillette Avenue, Suite 400  
Gillette, WY 82716

Re: Cyclone Drilling Small Commercial Wastewater System Lot Correction  
Permit # 09-694 ; Campbell County

Dear Mr. Bowar:

The Wyoming Department of Environmental Quality was notified by Steve Bruce on April 29, 2010 that the lot numbers for the Cyclone Drilling Small Commercial Wastewater System were incorrect on the original application. Mr. Bruce stated that the Lots should be listed as Lots 10, 11, and 12, Mohan Subdivision; the original application referred to Lots 7, 8, and 9. Enclosed is a copy of the correspondence from Mr. Bruce. Please update your records.

Regards,

Suzanne Engels  
DEQ/WQD

SE/rm/10-0364

Enclosure

cc: IPS-Cheyenne  
WYDEQ Casper Field Office

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





Civil Engineering • Land Surveying • Management

P.O. Box 2284

1300 E. Hwy. 14-16

Gillette, WY 82717

(307) 686-2252 • (307) 682-5000

Fax: (307) 687-7163

bei@vcn.com

APR 29 2010

April 28, 2010

Suzanne Engels  
WDEQ/WQD  
Herschler Building  
122 W 25<sup>th</sup> St  
Cheyenne, WY 82002

RE: Permit # 09-694  
Cyclone Drilling Small Commercial Wastewater System, Campbell County

Dear Suzanne,

Please correct the legal description for the location of the work. Instead of Lots 7, 8 & 9, it should be Lots 10, 11 & 12, Mohan Subdivision. Thank you.

Sincerely,



Steven M. Bruce, P.E.

Copy: Keith Bower / Campbell County Building Inspection



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

February 1, 2010

Les Hook  
City of Buffalo  
46 North Main Street  
Buffalo, WY 82834

RE: Tisdale and Lobban Ave Sewer Main Replacement, WDEQ #09-695,  
City of Buffalo, WY

Dear Mr. Hook:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permits and the materials submitted in your application package. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

Enclosures: Certificate of Completion

cc: Brent A. Bennett, P.E., Grizzly Engineering, P.O. Box 1004, Buffalo, WY 82834  
WDEQ File  
IPS





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

April 15, 2010

Mayor Vern Fundenberger  
Town of Pine Haven  
24 Waters Drive  
Pine Haven, WY 82721

RE: Town of Pine Haven Water System Upgrades Phase II, WDEQ #09-696, Crook County

Dear Mayor Fundenberger:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Public Water Supply Distribution Systems in accordance with Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations is hereby approved. You are authorized to construct, install or modify the facility (ies) in accordance with the general permits and the materials submitted in your application package. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

Enclosures: Certificate of Completion

cc: E. Duane Stetson, Stetson Engineering, 4901 S. Douglas Hwy., Suite #3, Gillette, WY 82717  
Fred Duncan, Crook County Growth and Development  
WDEQ File  
IPS



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 09-697

REFERENCE PERMITS NO. 08-137 (well), 09-123 (Phase I)

Keyhole State Park Water System Improvement Project Phase II

This permit hereby authorizes the applicant:

Wyoming State Parks, Historic Sites & Trails  
2301 Central Avenue, Barrett Building, 4<sup>th</sup> Floor  
Cheyenne, WY 82002

to construct, install or modify the Keyhole State Park Water System Improvement Project, Phase II, according to the procedures and conditions of the application number **09-697**. The facility is located in the SW  $\frac{1}{4}$ , SW  $\frac{1}{4}$ , Section 35, Township 51 North, Range 66 West, Crook County. The facility is further located along the southeast shore of the Keyhole Reservoir near Moorcroft, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2011.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and/or operator. Granting this permit does not imply that the Wyoming DEQ guarantees or ensures that the permitted facility meets applicable operational and discharge requirements. Compliance with applicable standards remains the responsibility of the permittee.

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

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

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit. The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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

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

1 of 4

The applicant will provide immediate oral or written notice to the Northeast District, Water Quality Division, 152 North Durbin, 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 4

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

- a. Date that construction of the facility was completed; and
- b. Date that the facility was placed in operation; and
- c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
- d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.

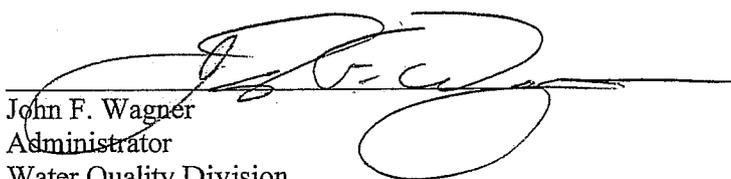
3 of 4

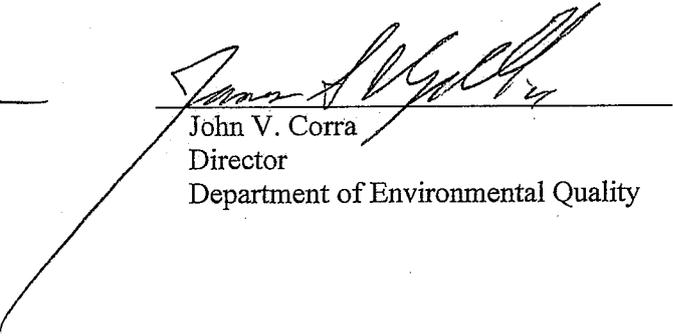
Within thirty days of completion of construction of the authorized facility, the Engineer of Record will submit two (2) complete copies of the Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY 82601.

4 of 4

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

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

5-24-10  
Date of Issuance

KLF/rm/10-0356

cc: James K. Murphy, P.E., AVI, P.C., 1103 Old Town Lane, Suite 101, Cheyenne, WY 82009

## STATEMENT OF BASIS

1. Permit Number: **09-697**
2. Application reviewed for compliance with the following applicable regulations:  
Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?  
  
YES
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.  
  
N/A
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley, P.E., and completed on April 30, 2010. 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."



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

February 14, 2010

Chairman  
Sheridan County Commissioners  
224 S. Main, Suite B1  
Sheridan, WY 82801

RE: **Non-Adverse Recommendation**, Lewallen Minor Subdivision, Sheridan County  
WDEQ Application #09-698

Dear Commissioners:

The Wyoming Department of Environmental Quality has completed the review of the proposed Lewallen Minor Subdivision, located in the NW  $\frac{1}{4}$ , SW  $\frac{1}{4}$ , Section 22, Township 55 North, Range 84 West, Sheridan County, south of the City of Sheridan, Wyoming. The 6.33 acre subdivision will be comprised of 3 lots, each lot approximately 2 acres in size. One lot is already occupied with a residence. The information was submitted by Pilch Engineering, signed by Thomas J. Pilch, P.E./P.G., a Wyoming Licensed Engineer and Geologist. This letter represents the recommendations of the Wyoming Department of Environmental Quality as required by W.S. §18-5-306 (c).

### Findings as to the safety and adequacy of the proposed sewage system:

The proposed sewage system is the use of individual on-site septic tanks and mounded leach fields permitted by Sheridan County and constructed to Wyoming Department of Environmental Quality Water Quality Rules and Regulations. The information submitted addresses the safety and adequacy of the proposed sewage system provided the statements indicated in the "Notes required to be added to the final plat" section below are added to all pertinent documents.

Since Sheridan County has been delegated by the WDEQ to issue small wastewater system permits, it is the County's responsibility to ensure, prior to issuing the permits, design standards and requirements of this report are met.

### Findings as to the safety and adequacy of the proposed water system:

The proposed water system is to connect on to the Sheridan Area Water System (SAWS). SAWS has provided information stating that they have the capacity and are willing to supply water to this development. WDEQ has reviewed the information submitted and is satisfied that the proposed connection to the existing water system is feasible.

A separate Permit to Construct may be required from the City of Sheridan prior to construction of any portion of the water system. The City of Sheridan has permitting authority for SAWS projects.



**Notes required to be added to the final plat, and other pertinent documents:**

1. Septic Systems shall not be placed within 90 feet of the eastern property lines. Separation distances from other lot lines shall be 50 feet.
2. Mounded systems must be designed and constructed in accordance with the Sheridan County requirements as well as the Wyoming Department of Environmental Quality requirements. Depth of the systems will be based on a site-specific investigation, certified by a registered Professional Engineer or Professional Geologist, into the seasonal high groundwater levels existing at each site.
3. The existing septic system currently in place on Lot 3 will be re-designed and a new mounded septic system constructed.

**State Engineer's Office (SEO) Comments:**

The State Engineer's Office (SEO) has provided comments pertaining to this proposed subdivision. The SEO has provided information which states that they are now supportive of the development proposal. All previous issues with water right concerns have been addressed by the developer.

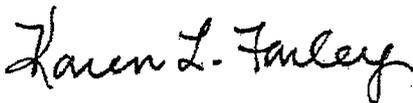
**Conclusions:**

The Wyoming Department of Environmental Quality has "No Adverse" recommendations applicable to the Lewallen Minor Subdivision.

**Disclaimer:**

Nothing in Wyoming Department of Environmental Quality recommendations or comments regarding the Pilch Engineering, Inc. proposal for the Lewallen Minor Subdivision shall be construed to relieve Andy and Linda Lewallen, of the obligation to obtain any permits or additional approval from any local, state, or federal agencies as required by law, rules, regulations, or ordinances. Nothing in these recommendations commits the Wyoming Department of Environmental Quality, Sheridan Area Water Supply, or Sheridan County to the issuance of required permits for construction, operation, or modification of water supply or sewage systems.

Sincerely,

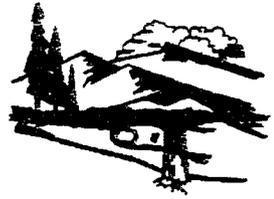


Karen L. Farley, P.E.  
Northeast District Supervisor  
Water and Wastewater Program, Wyoming Water Quality Division

cc: Andy and Linda Lewallen, 37 Metz Road, Sheridan, WY 82801  
Tom Pilch, P.E./PG., Pilch Engineering, 41 East Burkitt Street, Sheridan, WY 82801  
Sheridan County Engineer, 224 S. Main Street, Ste B8, Sheridan, WY 82801  
Sheridan Area Water Supply, 224 South Main Street, Suite B8, Sheridan, WY 82801  
Robin DeBolt, Property Development Coordinator, 224 S. Main Street, Ste. B8, Sheridan, WY 82801  
WDEQ Subdivision file  
(IPS) Cheyenne



# 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 28, 2010

Town of Baggs  
Attn: Linda Corners, Mayor  
130 South Penland Street  
Baggs, Wyoming 82321

RE: Construct approximately 500 ft of New 6" Water Main, Application No. **09-699**  
Location: Section 5, T12N, R91W, Carbon County

Dear Mayor Corners:

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, the general permit, the conditions listed below, and the materials submitted in your application package. All water service connections will be protected by the appropriate backflow device as required by Chapter 12, Section 14(i) of the Water Quality Division Rules and Regulations. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the attached general permit. Additionally, the following project specific conditions also apply:

1. Additions to Wyoming Public Works Standard Specifications for Waterline Construction:
  - a. Section 2665 E.6 - Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.
  - b. Section 2675 D - Flushing shall achieve minimum velocities of at least 5 feet per second for pipelines 12 inches in diameter or less. Flushing shall be through flush valves and a discharge pipe to the surface. Fire hydrants shall not be flushed until after the water main or distribution line is flushed.

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The approval granted under this Notification Of Coverage and the General Permit shall expire on January 28, 2012. Please reference Application Number 09-699 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/10-0079

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

cc: IPS, Cheyenne  
John V. Goin, Lidstone and Associates, Inc., 4025 Automation Way, Bldg E,  
Fort Collins, Colorado 80525  
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West  
Buffalo Street, Suite 336, Rawlins, Wyoming 82301



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

January 21, 2010

Donald Sharkey, Mayor  
Town of Upton  
725 2<sup>nd</sup> Street  
Upton, WY 82730

RE: City of Upton 2009 Sewer Upgrade, WDEQ #09-700  
Upton, WY

Mayor Sharkey:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permits and the materials submitted in your application package. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

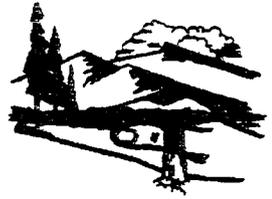
Enclosures: Certificate of Completion

cc: Kenneth C. Rathbun, P.E., Bearlodge Ltd., Inc., 520 Cleveland Street, Sundance, WY 82729  
WDEQ File, IPS





# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 30, 2009

John Charlson  
2736 1<sup>st</sup> Avenue  
Spearfish, SD 57783

RE: Feiro Small Residential Wastewater System, Crook County  
Location: Sundance View Estates Phase III Lot 2 Block4; Permit # 09-701

Dear Mr. Charlson:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
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.** Please contact me with questions at (307) 777-6941.

Sincerely,

*Suzanne Engels*  
Suzanne Engels  
WDEQ/WQD

SE/rm/9-1141

cc: IPS, Cheyenne  
WYDEQ Casper File  
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729  
Bob Shoun, Shoun's Plumbing and Heating, PO Box 994, Sundance, WY 82729

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ENGINEERING REVIEW OF **UIC** PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION

Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

PROJECT: Flying X Ranch **UIC** Septic System Engineering Review – 5E3 Renewal Sewage Disposal System

LOCATION: T22N, R71W, Section 21, SW¼ **Albany County**

APPLICANT: Flying X Ranch  
Attn. Raymond L. Parker, Ranch Manager  
799 Halleck Canyon Road  
Wheatland, WY 82201  
(307)-322-9626

WATER QUALITY DIVISION REFERENCE NUMBER: **UIC 09-702**

REVIEWING ENGINEER: Adrienne D. Nunn, E.I.T.  
Phone: (307)-777-6428

DATE OF REVIEW: January 4, 2010

**REVIEW COMMENTS:**

1. Wastewater Design Flow: The system was previously permitted to injection 8,000 gallons per day of domestic wastewater. This wastewater flow rate was based on a total of 80 potential lots for seasonal use at the ranch. Has anything occurred since the last permit that would require an increase in the design wastewater flow? An example would include the installation of more mobile homes, or year-round use of the homes. Is there any type of flow meter installed on the current system that has or could measure the actual wastewater flow through the septic system?
2. Distribution Box: According to the plans for the 1997 permit, there is a 1,000 gallon tank that acts as a distribution box. This tank is placed in front of 8-1,000 gallon septic tanks arranged in parallel. Has the 1,000 gallon distribution box been inspected regularly? Has it been a maintenance issue?
3. Monitoring: The required monitoring for the septic system will change for the new permit. First of all, it will no longer be required to sample the septic tank. The down gradient monitoring well shall continue to be monitored on an annual basis in the fall before the campground shuts down for the winter. The monitoring well will be sampled according to Table 1. Samples will be submitted to the online UIC database: <http://gem.trihydro.com>. Please go to this website and register as a new

user, then save the registration. Once the registration is complete, instructions for using the site will be emailed to the new user.

Table 1: Tentative Annual Monitoring Requirements

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL*
MW-1	Annually in the fall before the campground shuts down in the winter	Ammonia as N	SM 4500 NH <sub>3</sub> H	0.50 mg/L
		Chloride	SM 4500 CL <sup>-</sup> B	250 mg/L
		Nitrate	SM 4500 NO <sub>3</sub> <sup>-</sup> E	10 mg/L
		Top of casing elevation (ft)	Casing elevation must be surveyed	Not applicable
		Depth to static water (ft)	Steel tape with chalk or electronic tape	Not applicable
1,000 gallon Distribution Box	Monthly	Sludge Accumulation	Visual Inspection	3 feet depth sludge accumulation



# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

January 4, 2010

Flying X Ranch  
Attn: Raymond Parker, Ranch Manager  
799 Halleck Canyon Road  
Wheatland, WY 82201

RE: UIC 09-702, Large Capacity Septic System Permit Renewal  
Class V injection well application, Albany County

Dear Mr. Parker:

Attached are 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 December 18, 2009 and has until February 16, 2010 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) 777-6428, [anunn@wyo.gov](mailto:anunn@wyo.gov) or the address below should you have any questions related to these comments or the application and review process.

Sincerely,

Adrienne Nunn  
Project Engineer  
Water Quality Division

ADN/rm/10-0002

Attachments: WDEQ Comments

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# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

February 2, 2010

Charles Belgarde  
Plattwood LLC  
7841 Wayzata Blvd Ste 111  
Minneapolis, MN 55426

RE: Aladdin Highlands Ranch – Shower House Septic System Crook County  
As Built Permit # 09-703

Dear Mr. Belgarde,

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

This Notification of Coverage is issued in response to the submission and completion of the required septic system information for an as-built permit. The system generally complies with Wyoming Department of Environmental Quality (DEQ)/Water Quality Regulations governing Small Wastewater Systems. Further, if the use of this campground changes, the small wastewater systems must be reevaluated to determine if the systems are sized appropriately.

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. Existing sewer hookups will be converted to cleanouts and must be visible during the site inspection by Crook County.
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.
3. You must notify the DEQ Casper Office and the Crook County Growth and Development Office two weeks prior to the next annual family reunion so that a representative can observe the septic system while in use.

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4. Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at (307) 283-4548 to schedule an inspection by June 30, 2010. As part of this inspection, you are required to uncover the top half and side of the septic tank to expose the inlet and outlet pipes. This should be completed prior to the arrival of the Crook County personnel. Also, you should have your backhoe on-site in case some excavation is needed to expose more parts of the septic system.

If you have any questions, please contact me at (307) 777-6941.

Sincerely,



Suzanne Engels  
WDEQ/WQD

SE/rm/10-0088

cc: IPS, Cheyenne  
WYDEQ File  
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729  
Schreier Engineering, 511 National St, Ste 103, Belle Fourche, SD 57717



# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

February 2, 2010

Charles Belgarde  
Plattwood LLC  
7841 Wayzata Blvd Ste 111  
Minneapolis, MN 55426

RE: Aladdin Highlands Ranch –East Bathroom Small Residential Wastewater System; Crook County  
As Built Permit # 09-704

Dear Mr. Belgarde,

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

This Notification of Coverage is issued in response to the submission and completion of the required septic system information for an as-built permit. The system generally complies with Wyoming Department of Environmental Quality (DEQ)/Water Quality Regulations governing Small Wastewater Systems. Further, if the use of this campground changes, the small wastewater systems must be reevaluated to determine if the systems are sized appropriately.

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. Existing sewer hookups will be converted to cleanouts and must be visible during the site inspection by Crook County.
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.
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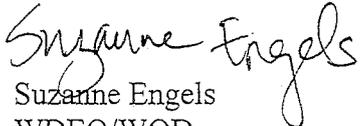
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If you have any questions, please contact me at (307) 777-6941.

Sincerely,

  
Suzanne Engels  
WDEQ/WQD

SE/rm/10-0089

cc: IPS, Cheyenne  
WYDEQ File  
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729  
Schreier Engineering, 511 National St, Ste 103, Belle Fourche, SD 57717