

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO.06-551

Reference Permit: WYPDES No. WY0021920

Sam H. Hobbs Regional Wastewater Treatment Facility

This permit hereby authorizes the applicant:

City of Casper - Natrona County Joint Powers Board No. 2  
200 North David Street  
Casper, Wyoming 82601

to construct, install or modify a aeration system improvements; secondary clarifier rehabilitation; implementation of ultraviolet light disinfection; construction of a new mechanical dewatering facility; construction of a new maintenance building; various roof replacements and building expansions; upgrades to the existing treatment facility; and all associated yard piping, sitework, electrical, instrumentation/controls, and mechanical work according to the procedures and conditions of the application number 06-551. The facility is located in NW1/4 Section 2, Township 33 North, Range 79 West in the county of Natrona, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by June 30, 2009.

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

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

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

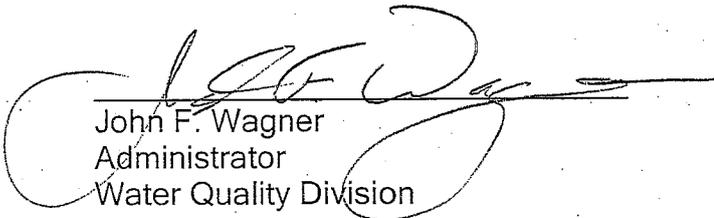
3 of 6 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

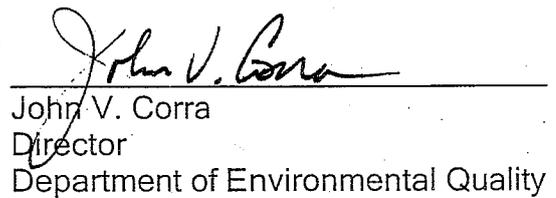
4 of 6 The applicant shall submit draft and final Operation and Maintenance (O&M) manuals meeting the schedule and requirements of WWQRR Chapter 11 Section 24.

5 of 6 The applicant shall maintain compliance with its industrial storm water permit, including updating its storm water pollution prevention plan.

6 of 6 The applicant shall comply with the "Ambient standards for odors" established by the Wyoming Air Quality Standards and Regulations Chapter 2.

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

9/27/06  
Date of Issuance

KJF/rm/6-0882  
JRM 9/26/06

## STATEMENT OF BASIS

1. Permit Number: 06-551
2. Application reviewed for compliance with the following applicable regulations:
  - a. Chapters 11 and 12.
3. Does the permit comply with all applicable regulations identified above?
  - a. The permit approval is based upon a deviation from applicable regulations in accordance with Section 5 of Chapter 11.
4. Facilities not specifically covered by regulations
  - a. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
    - (1) The regulations do not specifically cover ultraviolet light disinfection.
    - (2) The regulations give allowable ranges for several design parameters associated with activated sludge aeration basins and secondary clarifiers.
  - b. Briefly state the basis for the deviation.
    - (1) Ultraviolet (UV) light disinfection of wastewater treatment effluent has been successfully used on several projects in Wyoming and on many throughout the country and has become a widely accepted treatment technology. The proposed design parameters and application are similar to those of other successful systems and meet the recommendations of technical literature.
    - (2) The proposed design parameters are within normal ranges and/or based on common analyses cited in technical literature and generally accepted in the profession.
5. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.

Facility construction will not allow a discharge to groundwater.
6. Documentation of Statement of Basis.

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

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Kevin Frank, PE, SRF Program Environmental Senior Analyst and completed on September 26, 2006. 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

## NOTIFICATION OF COVERAGE

August 23, 2006

Mr. Herman Noe, Manager of Engineering  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003-1469

RE: 12th and Taft Elementary School Water and Sewer Line Extensions, Application No.06-552, Laramie County

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as 1335 feet of 8" diameter PVC water main, 142 feet of 6" diameter ductile iron pipe fire line, 816 feet of 8" diameter sewer line and all appurtenances, W 1/2 Section 35 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 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 September 15, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-552 in any future correspondence. If you have any questions, please contact me at 307-777-7088.

Sincerely,

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

cc: IPS, Cheyenne  
Scott Larson, BenchMark Engineers, P.C.  
1920 Thomes Avenue, Suite 620  
Cheyenne WY 82001

LBH/rm/6-0777

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

ADMIN/OUTREACH  
(307) 777-7758  
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 777-6937

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 State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

August 17, 2006

Ted Rosencranz  
P.O. Box 263  
Beulah, WY 82712

RE: Rosencranz Residential Septic System; Permit # 06-553

Dear Mr. Rosencranz:

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

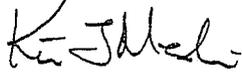
Additionally, the following project specific conditions also apply:

- A. Commercial Wastewater - This permit is only authorized for treatment and disposal of domestic wastewater. Disposal and treatment of commercial or industrial wastewater is not permitted for this small wastewater facility.
- B. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the tank** must be extended to the ground surface.
- C. Polyethylene Septic Tank Installation Requirements - To ensure structural integrity, the **manufacturer's instructions** regarding bedding the tank and filling the tank with water during burial **must be followed during installation**. Additionally, immediately after clean-outs, the tank must be refilled with water according to the manufacturer's instructions to maintain structural integrity.



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

Sincerely,



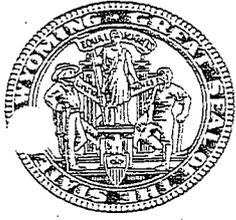
Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures:      General Permit  
                      Certificate of Completion

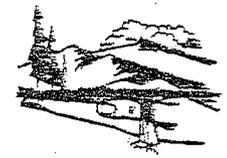
cc:                 IPS, Cheyenne  
                      Linda Fritz, Crook County, P.O. Box 37, Sundance, WY 82729

WYOMING  
PUBLIC  
WY

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

August 18, 2006

Douglas Peterson  
70922 U.S. Highway 12  
Dassel, MN 55325

RE: Peterson Residential Septic System  
Permit # 06-554

Dear Mr. Peterson:

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

Additionally, the following project specific conditions also apply:

- A. Sewer Pipe Clean-Out Riser Requirement - A cleanout shall be installed midway (100 feet) between the septic tank and leachfield. A second cleanout shall be installed at the end of the sewer pipe (200 feet from the septic tank), at the point where the pipe changes direction and before the leachfield.
- B. Sewer Pipe Slope - Sewer pipe between the house and the septic tank shall be laid at a minimum slope of 1/4 inch per foot. Sewer pipe between the septic tank and leachfield shall be laid at a minimum slope of 1/8 inch per foot.





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

August 21, 2006

John and Cecilia Rongstad  
38 Canyon Road  
Beulah, WY 82712-0231

RE: Rongstad Residential Septic System; Permit # 06-555

Dear Mr. and Mrs. Rongstad:

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

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

Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

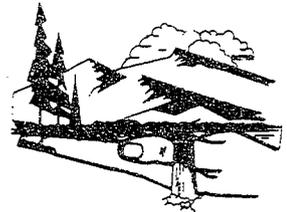
Enclosures: General Permit  
Certificate of Completion  
cc: IPS, Cheyenne  
Linda Fritz, Crook County, P.O. Box 37, Sundance, WY 82729

Page 1 of 1





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

August 31, 2006

Ron Hansen  
Wyoming DOT  
3411 South 3<sup>rd</sup> Street  
Laramie, WY 82070-8315

RE: Arlington Maintenance Camp West House, Application No. 06-558  
Section 19, Township 19N, Range 78W, Carbon County

Dear Mr. Hansen,

Your application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a four bedroom house in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations (WWQRR) 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 WWQRR, 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:

- A. Either a 6 inch diameter clean-out riser or the manway from each compartment of the tank must be extended to the ground surface.
- B. Pursuant to our conversation today a distribution box will be utilized instead of a three way valve as originally depicted in the application package.

The approval granted under this Notification Of Coverage and the General Permit shall expire on August 31, 2007. Please contact me at 777-7075 should you have any questions.

Yours truly,

Don McKenzie  
Program Manager  
Water & Wastewater Section  
Water Quality Division

DRM/rm/6-0812

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

cc: IPS, Cheyenne  
Carbon Co. Planning, 215 W. Buffalo Street, P.O. Box 487, Rawlins, 82301

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

ADMIN/OUTREACH  
(307) 777-7758  
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 777-6937

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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

July 31, 2007

Steve Redinger  
25 Jack Drive  
Sheridan, Wyoming 82801

RE: Poplar Grove PUD Water and Sewer Lines Project  
Application No. **06-559**

Dear Mr. Redinger:

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, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

The approval granted under this Notification Of Coverage and the General Permit shall expire on August 15, 2008. Please reference Application Number **06-559** in any future correspondence.

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

Sincerely,

Brian Mark  
Program Principal  
Water Quality Division

BDM/rm/7-0626

Enclosures: GEENERAL 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  
Jeffrey Rosenlund, HKM, PO Box 7010, Sheridan, Wyoming 82801  
Mike Cole, City of Sheridan, PO Box, 848, Sheridan, Wyoming 82801

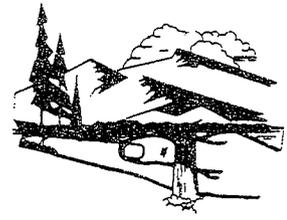
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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
--	---	---	---	--	--	---





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

August 31, 2006

Patrick Sedlacek  
5276 Panorama Drive  
Cheyenne, WY 82009

RE: Holding Tank, Application No. **06-560**  
Lot 7 Block 12 White Rock Estates  
SE/4 of Section 7 of Township 18 North, Range 79 West in Carbon County

Dear Mr. Sedlacek,

Your application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a one bedroom camper trailer in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations (WWQRR) 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 WWQRR, 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:

- A. As we discussed on August 24<sup>th</sup>, the graywater from your camper must be contained and plumbed into your existing holding tank as a result of the high groundwater under your property. It is acceptable for a hose to be used temporarily to connect your camper to the holding tank until you construct your cabin. When you begin construction of a one bedroom cabin I suggest you install a line from the cabin to the holding tank. I do not believe subsurface irrigation of the graywater will be possible due to the high groundwater level, but you may contact us if you would like to consider this in the future. This permit authorization does not allow for subsurface irrigation.
- B. The existing holding tank side openings must be plugged to prevent discharge to the ground. The access ports on top of the tank should also be sealed.
- C. Once you move ahead with your plans to build a cabin, you also intend to install another holding tank next to the current holding tank for additional storage capacity. I have depicted this on your submitted site plan drawing.
- D. To date you have installed a 1000 gallon septic tank used as a holding tank. You currently pump the tank once a year.
- E. To date you have about a thirty gallon water tank on top of the holding tank to flush the privy toilet.

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

ADMIN/OUTREACH  
(307) 777-7758  
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 777-6937

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



- F. To date there have not been any settling not floating issues associated with the existing holding tank.
- G. Separation distances are in compliance with the WWQRR.

The approval granted under this Notification Of Coverage and the General Permit shall expire on August 31, 2009. Please contact me at 777-7075 should you have any questions.

Yours truly,



Don McKenzie  
Program Manager  
Water & Wastewater Section  
Water Quality Division

DRM/rm/6-0814

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

cc: IPS, Cheyenne  
Carbon Co. Planning, 215 W. Buffalo Street, P.O. Box 487, Rawlins, 82301



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

August 15, 2006

James and Jessica Slagle  
P.O. Box 83  
Kirby, Wyoming 82430

RE: Slagle Septic Tank/Leach Field, Permit Number 06-561, NE ¼ Sec. 7, T44N, R94W, Town of Kirby, Hot Springs County.

Dear Mr. Slagle:

The above application for coverage under General Permit to construct a septic tank/ leach field to serve a five bedroom home in accordance with Chapter 3, Section 7 and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved.

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

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

Sincerely,

Jeff Hermansky  
Northwest District Engineering Supervisor

xc: ✓ IPS, Cheyenne  
Lee Campbell, Hot Springs Co Planner  
Gerald Crews, Cardinal Design Group  
encl: General Permit for a Small Wastewater Facility





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

November 21, 2006

Mr. Kirk Hughes, District Superintendent  
Converse County School District No. 2  
120 Boxelder Trail  
Glenrock, WY 82637

RE: Glenrock Elementary School Water Line Extension, Application No. **06-562** Converse County

Dear Mr. Hughes:

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 described as 8" diameter PVC water line with fire hydrants and a fire service line, E1/2 Section 3 T33N R75W; Converse County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All 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. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2009.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **06-562** in any future correspondence.

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

Sincerely,

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

cc: IPS, Cheyenne

Robert Bennett, C.E.P.I.  
6080 Enterprise Drive  
Casper WY 82609

LBH/rm/6-1112



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 06-564

Mark Busenitz Backgrounding and Feedlot Waste Treatment Facility

This permit hereby authorizes the applicant:

Busenitz Land and Cattle Inc.  
1075 Little Missouri Road  
Hulett, WY, 82720

to construct, install or modify a livestock wastewater containment reservoir according to the procedures and conditions of the application number 06-564. The facility is located in NW 1/4 Section 26 T56N R67W in the county of Crook, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by.

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

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

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

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

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

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

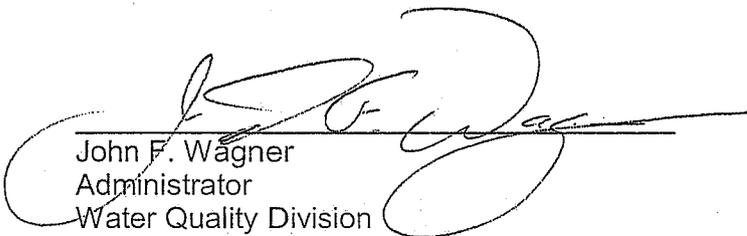
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
  
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
  
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

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

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

10/16/06  
\_\_\_\_\_  
Date of Issuance

LBH/rm/6-0948

## STATEMENT OF BASIS

1. Permit Number: 06-564
2. Application reviewed for compliance with the following applicable regulations :  
Chapter(s) 3 and 11 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?  
  
YES
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was required.
5. If Section 17 of Chapter 3 review is required, indicate the basis for determining groundwater will be protected.
  - a. The facility will not allow a discharge to groundwater.  
  
See comments below.
  - b. Existing soils or geology will not allow a discharge to groundwater.  
  
Test borings indicate 10 feet of fat clay (CH) overlying weathered shale throughout the pond construction area.
  - c. The facility is designed and will be operated so that it will not to violate groundwater standards.  
  
A one foot thick liner of compacted excavated clay will be constructed. The permeability test of the excavated clay gave a result of  $1 \times 10^{-8}$  cm/sec. This is the equivalent of 3 ft of soil at  $1 \times 10^{-7}$ .
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 Louis B. Harmon PE-PG, Southeast District Engineer, lharmo@state.wy.us, and completed on October 13, 2006. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 06-565

Buckmiller No. 3 Subdivision Water System  
PWS: Not Assigned

This permit hereby authorizes the applicant:

B. Herbert Buckmiller  
P.O. Box 5  
Moorcroft, WY, 82721

to construct, install or modify a well, pump, standpipe, and distribution system according to the procedures and conditions of the application number 06-565. The facility is located in NE 1/4 Section 17 T50N R67W in the county of Crook, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by May 10, 2009.

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

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

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

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

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

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

The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

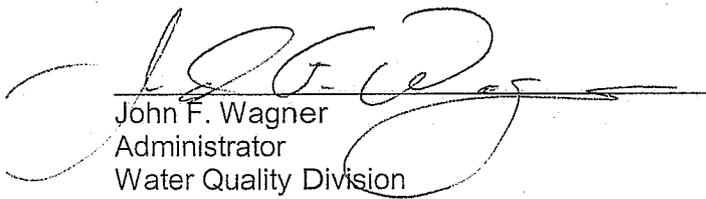
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

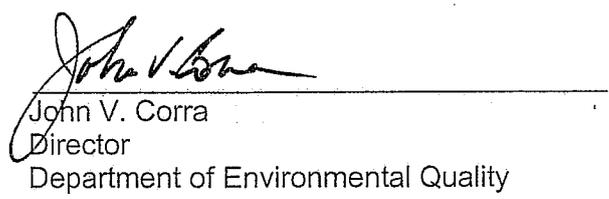
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 4 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 4 A Wyoming Certified Operator must be employed by the owner of the water system before it is placed into service.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.

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

10/16/06  
Date of Issuance

LBH/rm/6-0949

cc: Crook County Board of Commissioners  
P.O. Box 37  
Sundance, WY 82729

## STATEMENT OF BASIS

1. Permit Number: 06-565
2. Application reviewed for compliance with the following applicable regulations :  
Chapter(s) 3 and 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?  
YES
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.  
Public water supplies 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.

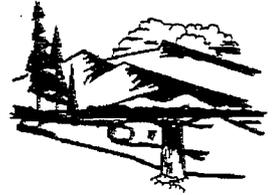
## CERTIFICATION

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 Louis B. Harmon PE-PG, Southeast District Engineer, lharmo@state.wy.us, and completed on October 13, 2006. 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

## NOTIFICATION OF COVERAGE

October 2, 2006

Fred M. Goffstein, President  
ULWS Land Co.1, LLC  
P.O. Box 1693  
Dubois, Wyoming 82513

RE: Sugarfoot Circle Water Main, Permit Number 06-566R,  
SE ¼ Sec. 9, T41N, R107W, Fremont County.

Dear Mr. Goffstein:

The above application for coverage under a General Permit to construct a polyethylene water main and appurtenances to serve four lots in the Warm Springs Subdivision in accordance with Chapter 3, Section 7 and Chapter 12, Section 14, of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved.

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

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

Sincerely,

Jeff Hermansky  
Northwest District Engineering Supervisor

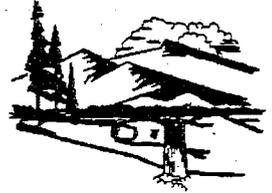
xc: Larry Wilke, WSWD Board President  
✓IPS, Cheyenne

encl: General Permit for a Water Distribution System





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

August 31, 2006

Brandon Mosès  
44 Gannette Drive  
Rock Springs, WY 82901

RE: Rock Springs - Area Thirty3 Estates - Water Main Extensions - Permit Number 06-567,  
SW 1/4 Section 33, T20N, R105W, Sweetwater County, PWS # WY5601369

Dear Mr. Keller:

The above application for coverage under General Permit to Construct a water main extension consisting of 3860 linear feet (LF) of 8-inch PVC water main to serve 17 lots in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

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

Sincerely,

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

xc: ✓ IPS, Cheyenne

encl: General Permit for a Public Water Supply Distribution System



## MEMORANDUM

TO: Barb Barnes, WQD IPS, Cheyenne  
FROM: Ursula Williams, Geologic Project Analyst, Sheridan *UW*  
DATE: March 11, 2008

RE: Termination of Chapter 3 Permit 06-568  
Reference permit number 05-646  
WYPDES Permit: WY0052337

The Chapter 3 permit 06-568 has been terminated as requested by the operator. On January 10, 2008, the WDEQ received the attached request to terminate Bill Barrett's permit 06-568, Hartzog Draw Multiple. The WYPDES permit WY0052337 was modified on December 21<sup>st</sup>, 2007, removing groundwater authorization requirements for all impoundments included in the subject permit.

Review of the groundwater monitoring data to present indicates groundwater beneath the following impoundments remain within standards, consequently, the monitoring wells associated with these impoundments are not needed:

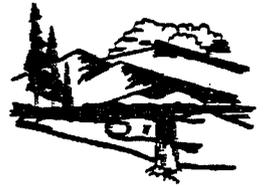
- Camblin #33-24,
- Jordan #9,
- Pumpkin Buttes 44-19,
- Pumpkin Buttes #4, and
- Camblin #1

A permit to construct is no longer authorized for the monitoring wells: well Camblin #1 MW-A, Pumpkin Buttes 44-19 MW-A, Camblin 33-24 MW-A, Pumpkin Buttes #4MW-A, and Jordan #9 MW-A. These wells shall be plugged and abandoned pursuant to Chapter 11, Section 7 Wyoming codes annotated within 60 days of receipt of this letter and plugging records submitted to the WQD within 15 days after abandonment.

cc: Kevin Fredrick, State Groundwater Program Supervisor, Cheyenne  
Jason Thomas, WYPDES Program, Cheyenne  
File  
Archive  
Chronological file



# 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 10, 2008

Paul McElvery  
Bill Barrett Corporation  
1901 Energy Ct., Suite 170  
Gillette, WY 82718

Re: Termination of Chapter 3 Permit 06-568 Hartzog Draw Multiple  
Reference Permit Number: 05-646  
WYPDES Permit Number: WY0052337

Dear Mr. McElvery:

The Wyoming Department of Environmental Quality, Water Quality Division (WQD) has, at your request, terminated the groundwater compliance monitoring program for the impoundments listed in the Chapter 3 permit 06-568: Hartzog Draw Multiple. It is our understanding that the WYPDES permit WY0052337 was modified on December 21<sup>st</sup>, 2007, removing groundwater authorization requirements for all impoundments included in the subject permit.

Review of the groundwater monitoring data to present indicates groundwater beneath the following impoundments remain within standards, consequently, the monitoring wells associated with these impoundments are not needed:

- Camblin #33-24,
- Jordan #9,
- Pumpkin Buttes 44-19,
- Pumpkin Buttes #4, and
- Camblin #1.

A permit to construct is no longer authorized for the monitoring wells: well Camblin #1 MW-A, Pumpkin Buttes 44-19 MW-A, Camblin 33-24 MW-A, Pumpkin Buttes #4MW-A, and Jordan #9 MW-A.

These wells shall be plugged and abandoned pursuant to Chapter 11, Section 7 Wyoming codes annotated within 60 days of receipt of this letter and plugging records submitted to the WQD within 15 days after abandonment.

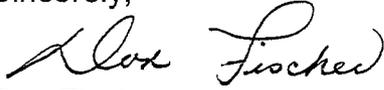
1866 SOUTH SHERIDAN AVENUE • SHERIDAN, WY 82801

AIR, LAND AND WATER DIVISIONS  
(307) 673-9337 • FAX (307) 672-2213



If you have any questions regarding this letter or the conditions in the attached permit, please contact myself or other Groundwater Program staff in the Sheridan office at 307-673-9337.

Sincerely,

A handwritten signature in cursive script that reads "Don Fischer".

Don Fischer  
North District Geologic Supervisor  
Groundwater Program

CC: Kevin Frederick, State Groundwater Program Supervisor, Cheyenne  
Jason Thomas, WYPDES Program, Cheyenne  
File  
Chronological file  
Archive



**CBM Associates, Inc.**

500 W. Lott St. • Buffalo, WY 82834 • Office: (307) 684.0252 • Fax: (307) 684.0254

GROUNDWATER & SURFACE WATER HYDROLOGY • WATER RESOURCE MANAGEMENT • ENVIRONMENTAL PERMITTING & COMPLIANCE

January 10, 2008

Mr. Don Fischer  
Wyoming Department of Environmental Quality  
Ground Water Division  
1866 South Sheridan Avenue  
Sheridan, Wyoming 82801

**RE: Chapter 3 Permit Cancellation Request**  
**05-646: Hartzog Draw 06-568**  
**06-228: Hartzog Draw Camblin #2**  
**Bill Barrett Corporation**



Dear Mr. Fischer:

A recently approved minor modification to the WYPDES permit WY0052337 was signed by Bob Alexander, WDEQ-WQD on December 21<sup>st</sup> 2007, which removed groundwater requirements for all impoundments included in the subject WYPDES permit. On behalf of Bill Barrett Corporation (BBC), CBM Associates, Inc. requests the cancellation of the Ch 3 permits: 05-646 (Hartzog Draw) and 06-228 (Hartzog Draw Camblin #2) which contain the impoundment sites listed within the WYPDES permit referenced above.

For your convenience, correspondence between BBC and the WDEQ-WQD regarding the minor modification request and a copy of the signed permit modification are enclosed. If you have any questions or need additional information, please feel free to contact me at 307-684-0252 or at [lmcmahan@cbmainc.com](mailto:lmcmahan@cbmainc.com).

Sincerely,  
CBM Associates, Inc.

Luke A. McMahan, P.G.

Enclosures

cc: Paul McElvery (Bill Barrett Corporation)  
File (CBMA/Laramie)  
File (CBMA/Gillette)  
File (CBMA/Buffalo)

*CBM ASSOCIATES, INC. ADDITIONAL OFFICES:*

920 E. Sheridan Street  
Laramie, WY 82070  
307.742.4991

345 Sinclair Street  
Gillette, WY 82718  
307.686.6664

743 Horizon Court, Suite 250  
Grand Junction, CO 81506  
970.263.8679

3036 South Flower Court  
Lakewood, CO 80227  
303.973.2302



November 30, 2007

Mr. Jason Thomas  
Wyoming Department of Environmental Quality – Water Quality Division  
122 West 25th Street, Herschler Building, 4-W  
Cheyenne, Wyoming 82002

**RE: Hartzog Draw WY0052337 – Letter Minor Modification  
Bill Barrett Corporation**

Dear Mr. Thomas:

Bill Barrett Corporation (BBC) respectfully submits this letter minor modification for its WY0052337 Hartzog Draw coal bed natural gas (CBNG) facility. This modification seeks to alleviate a typographical error found within Table 1 located in Part I. B. 12. Location of Discharge Points on Page 7 of the August 31, 2007 signed major modification.

BBC requests to remove the 'groundwater approval required prior to discharge' column from Table 1 of this permit. This column is a typographical error as all reservoirs were removed from the permit with previous applications, specifically the minor modification application dated January 25, 2007 and the major modification application dated May 15, 2007. Please note that all other references to groundwater requirements have been removed from the permit. Reservoirs are not required for water management in the Belle Fourche watershed.

If you have any questions or comments regarding this letter minor modification, please feel free to contact me at (307) 685-4322 or at [pmcelvery@billbarrettcorp.com](mailto:pmcelvery@billbarrettcorp.com); you may also contact Sara Janssen of CBM Associates, Inc. at (307) 742-4991 or at [sjanssen@cbmainc.com](mailto:sjanssen@cbmainc.com).

Sincerely,

Paul McElvery  
Water Resources Coordinator

/saj

cc: Bill Barrett Corporation – Gillette, WY  
CBM Associates, Inc. – Laramie, WY

1414 EAST LINCOLN STREET  
GILLETTE WY 82716  
P 307 685 4322  
F 307 685 3408

Wyoming Department of Environmental Quality  
Water Quality Division  
WYPDES Program

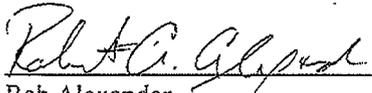
**Minor Modification**

This permit modification represents a minor modification of Permit No. WY0052337, known as Hartzog Draw, issued on August 31, 2007 and expiring on January 31, 2010. This facility is located in the Belle Fourche River Basin and is currently owned by Bill Barrett Corporation. The terms of Permit No. WY0052337 are hereby modified as follows:

1. Remove the groundwater approval requirements for all reservoirs. All reservoirs have been removed from the permit and are not used for water management.

**Same Terms and Conditions:** With the exception of items explicitly delineated in this minor modification, all terms and conditions of Permit No. WY0052337 shall remain unchanged and in full force and effect.

This minor modification is effective as of the date of signature below.



Bob Alexander  
Senior Environmental Analyst  
Water Quality Division  
Wyoming Department of Environmental Quality

Dec 21, 2007  
Date

Attachment: Permit, Page 7, Part I.B.12., Table 1  
cc: File WY0052337  
Sheridan Field Office  
Bill Barrett Corporation

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

PERMIT NO. 06-568  
TRANSFERRING AND MODIFYING 05-646

Hartzog Draw: Multiple Reservoirs

This permit hereby authorizes the applicant:

Bill Barrett Corporation  
1901 Energy Ct., Suite 170  
Gillette, WY 82718

to assume ownership of five compliance monitoring wells, previously permitted as 05-646, according to the procedures and conditions of the application number 06-568. The facilities are proximal to the on channel coalbed methane produced water impoundments located in Township 44 N, Ranges 74 and 75 W, Sections 30, 19, 24, 27, 22, 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, nor 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 2: 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 2: Monitoring Requirements:

Groundwater monitoring at the impoundments shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water level and sampling and analysis of groundwater at downgradient well Camblin #1 MW-A, Pumpkin Buttes 44-19 MW-A, Camblin 33-24 MW-A, Pumpkin Buttes #4MW-A, Jordan #9 MW-A.
- 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. The first set of data will be due by **April 15, 2006**.

The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

**Impoundment: Camblin #1**

Parameter	Camblin #1 MW-A Background Value (mg/L) (03/11/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	< 0.001 (ND)	≥0.16	0.2
Selenium	< 0.003 (ND)	≥0.04	0.05
Sulfate	515	≥2400	3000
Total Dissolved Solids (TDS)	1130	≥4000	5000
pH	8	≤6.5	6.5 – 8.5

**Impoundment: Pumpkin Buttes 44-19**

Parameter	Pumpkin Buttes 44-19 MW-A Background Value (mg/L) (05/24/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	< 0.0005 (ND)	≥0.16	0.2
Selenium	< 0.005 (ND)	≥0.04	0.05
Sulfate	609	≥2400	3000
Total Dissolved Solids (TDS)	1250	≥4000	5000
pH	8.1	≤6.5	6.5 – 8.5

**Impoundment: Camblin 33-24**

Parameter	Camblin 33-24 MW-A Background Value (mg/L) (06/27/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	≥0.16	0.2
Selenium	0.011	≥0.04	0.05
Sulfate	657	≥2400	3000
Total Dissolved Solids (TDS)	1380	≥4000	5000
pH	7.8	≤6.5	6.5 – 8.5

**Impoundment: Pumpkin Buttes #4**

Parameter	Pumpkin Buttes #4 MW-A Background Value (mg/L) (06/27/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	< 0.001 (ND)	≥0.16	0.2
Selenium	< 0.005 (ND)	≥0.04	0.05
Sulfate	416	≥2400	3000
Total Dissolved Solids (TDS)	1090	≥4000	5000
pH	8.0	≤6.5	6.5 – 8.5

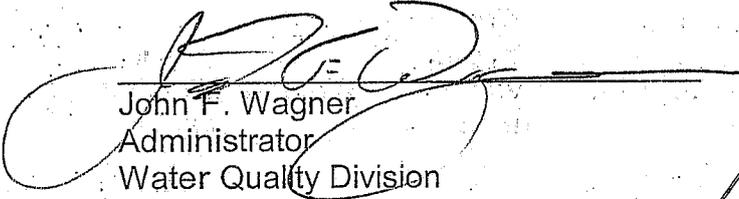
**Impoundment: Jordan #9**

Parameter	Jordan #9 MW-A Background Value (mg/L) (06/27/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	< 0.001 (ND)	≥0.16	0.2
Selenium	0.16	≥0.04	0.05
Sulfate	252	≥2400	3000
Total Dissolved Solids (TDS)	690	≥4000	5000
pH	8.2	≤6.5	6.5 – 8.5

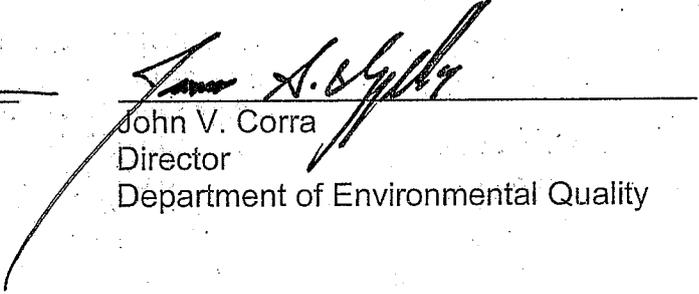
Trigger values, specific to the groundwater samples at each impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with the analytical results due by the 15<sup>th</sup> day of each month. If groundwater monitoring reveals a pH measurement of 6.5 or less, the WDEQ 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: [cbmgroundwater@state.wy.us](mailto:cbmgroundwater@state.wy.us). In addition, the accompanying analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

AUTHORIZED BY:



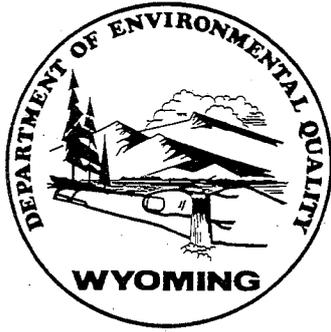
John F. Wagner  
Administrator  
Water Quality Division



John V. Corra  
Director  
Department of Environmental Quality

August 24, 2006  
Date of Issuance

UW/rm/6-0748



**GROUNDWATER PROGRAM**  
**REVIEW COMMENTS:**  
**PLANS/SPECIFICATIONS/PROPOSALS/REPORTS**

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1866 South Sheridan Avenue  
Sheridan, WY 82801  
Phone: 307-672-6457

**PERMIT TYPE:** CBM: Groundwater Compliance Monitoring Program

**WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER:** 06-568  
TRANSFER AND MODIFICATION OF PERMIT 05-646

**SITE (POD) NAME:** Hartzog Draw: Multiple Reservoirs

**APPLICANT:** Bill Barrett Corporation  
Attn.: Mr. Paul McElvery  
1901 Energy Ct., Suite 170  
Gillette, WY 82718

**CONSULTANT:** No consultant was used for permit transfer and modification

**LOCATION:** Drainage: Tributaries of Fourmile Creek and North Fourmile Creek, tributary to the Belle Fourche River  
County : Campbell  
Township 44 North; Range 74 and 75 West

**DATE ON TRANSFER REQUEST:** June 7, 2006

**REVIEWING OFFICIAL:** Ursula Williams, North District Groundwater Sen. Analyst

**DATE OF THIS REVIEW:** August 17, 2006

**ACTION:** Compliance Monitoring Plan for Hartzog Draw: Multiple Reservoirs transferred from CH4 to Bill Barrett Corporation pursuant to conditions on permit # 06-568

**COMMENTS: GROUNDWATER SECTION**

**1.0 SITE SUMMARY:**

**Site Description**

Watershed Name: Tributaries of Fourmile Creek and North Fourmile Creek and Mud Spring Creek, tributaries of the Belle Fourche River

Type of Impoundment(s)

1 "Off channel"  
4 "On channel"

Groundwater Classification:

Class 1 (domestic) \_\_\_\_\_

Class 2 (irrigation) \_\_\_\_\_

Class 3 (agricultural) 5 Class III

Basis for Classification: Laboratory analysis of groundwater indicates ambient water quality meets Water Quality Rules and Regulations Chapter 8 Class III standards (Table 1- Chapter 8).

Description of Hydrogeology: Please see original review for permit 05-646.

Other Considerations: The reservoir Pumpkin Buttes 32-8 has been dropped from this permit because it receives CBM discharge under WYPDES permit number WY0050369, outfall 007 which was issued to a different company (neither the transferrer nor the transferee) prior to August 2004 and therefore did not require groundwater monitoring. This information did not come to light until the time of the permit transfer.

**2.0 MONITORING AND REPORTING REQUIREMENTS**

Names of Impoundments covered under Permit 06-568:

Impoundment Name	Capacity (acre/ft)	Type	GW Class	Qtr Qtr	Section	Town ship	Range
Camblin #1	39.22	On-channel	III	SENE	30	44	74
Pumpkin Buttes 44-19	9.76	On-channel	III	SESE	19	44	74
Camblin 33-24	9.89	Off-channel	III	NWSE	24	44	75
Pumpkin Buttes #4	12.96	On-channel	III	NENE	27	44	75
Jordan #9	103.75	On-channel	III	NESW	22	44	75

Groundwater monitoring and reporting requirements are unchanged from the original permit except that there are no monitoring or reporting requirements for Pumpkin Buttes 32-8.

**END OF REVIEW**

**UW/rm/6-0748**

MEMORANDUM

TO: Barb Barnes, WQD IPS, Cheyenne  
FROM: Ursula Williams, Geologic Project Analyst, Sheridan *UW*  
DATE: January 15, 2008

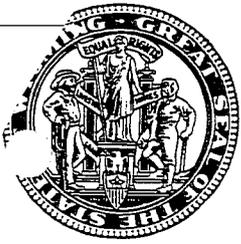
RE: Termination of Chapter 3 Permit 06-569  
Reference permit number 06-228  
WYPDES Permit: WY0052337

The Chapter 3 permit 06-569 has been terminated as requested by the operator. On January 10, 2008, the WDEQ received the attached request to terminate Bill Barrett's permit 06-569, Hartzog Draw Camblin #2. The WYPDES permit WY0052337 was modified on December 21<sup>st</sup>, 2007, removing groundwater authorization requirements for all impoundments included in the subject permit.

Review of the groundwater monitoring data to present indicates groundwater beneath the Camblin #2 impoundment remains within standards. Consequently, the monitoring well associated with this impoundment is not needed.

A permit to construct is no longer authorized for the monitoring wells: Camblin #2 MW-A. This well shall be plugged and abandoned pursuant to Chapter 11, Section 7 Wyoming codes annotated within 60 days of receipt of this letter and a plugging record submitted to the WQD within 15 days after abandonment.

cc: Kevin Fredrick, State Groundwater Program Supervisor, Cheyenne  
Jason Thomas, WYPDES Program, Cheyenne  
File  
Archive  
Chronological file



# 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 10, 2008

Paul McElvery  
Bill Barrett Corporation  
1901 Energy Ct., Suite 170  
Gillette, WY 82718

Re: Termination of Chapter 3 Permit 06-569 Hartzog Draw Multiple  
Reference Permit Number: 06-228  
WYPDES Permit Number: WY0052337

Dear Mr. McElvery:

The Wyoming Department of Environmental Quality, Water Quality Division (WQD) has, at your request, terminated the groundwater compliance monitoring program for the impoundment listed in the Chapter 3 permit 06-569: Hartzog Draw Camblin #2. It is our understanding that the WYPDES permit WY0052337 was modified on December 21<sup>st</sup>, 2007, removing groundwater authorization requirements for all impoundments included in the subject permit.

Review of the groundwater monitoring data to present indicates groundwater beneath the following impoundment remains within class of use standards, consequently, the monitoring well associated with this impoundment is not needed:

- Camblin #2.

A permit to construct is no longer authorized for the monitoring well: Camblin #2 MW-A.

This well shall be plugged and abandoned pursuant to Chapter 11, Section 7 Wyoming codes annotated within 60 days of receipt of this letter and plugging records submitted to the WQD within 15 days after abandonment.

If you have any questions regarding this letter or the conditions in the attached permit, please contact myself or other Groundwater Program staff in the Sheridan office at 307-673-9337.

Sincerely,

Don Fischer  
North District Geologic Supervisor  
Groundwater Program

CC: Kevin Frederick, State Groundwater Program Supervisor, Cheyenne  
Jason Thomas, WYPDES Program, Cheyenne  
File  
Chronological file  
Archive

1866 SOUTH SHERIDAN AVENUE • SHERIDAN, WY 82801

AIR, LAND AND WATER DIVISIONS  
(307) 673-9337 • FAX (307) 672-2213





**CBM Associates, Inc.**

500 W. Lott St. • Buffalo, WY 82834 • Office: (307) 684.0252 • Fax: (307) 684.0254

GROUNDWATER & SURFACE WATER HYDROLOGY • WATER RESOURCE MANAGEMENT • ENVIRONMENTAL PERMITTING & COMPLIANCE

January 10, 2008

Mr. Don Fischer  
Wyoming Department of Environmental Quality  
Ground Water Division  
1866 South Sheridan Avenue  
Sheridan, Wyoming 82801

**RE: Chapter 3 Permit Cancellation Request**  
**05-646: Hartzog Draw ~~06-56~~**  
**06-228: Hartzog Draw Camblin #2 06569**  
**Bill Barrett Corporation**



Dear Mr. Fischer:

A recently approved minor modification to the WYPDES permit WY0052337 was signed by Bob Alexander, WDEQ-WQD on December 21<sup>st</sup> 2007, which removed groundwater requirements for all impoundments included in the subject WYPDES permit. On behalf of Bill Barrett Corporation (BBC), CBM Associates, Inc. requests the cancellation of the Ch 3 permits: 05-646 (Hartzog Draw) and 06-228 (Hartzog Draw Camblin #2) which contain the impoundment sites listed within the WYPDES permit referenced above.

For your convenience, correspondence between BBC and the WDEQ-WQD regarding the minor modification request and a copy of the signed permit modification are enclosed. If you have any questions or need additional information, please feel free to contact me at 307-684-0252 or at [lmcmahan@cbmainc.com](mailto:lmcmahan@cbmainc.com).

Sincerely,  
CBM Associates, Inc.

Luke A. McMahan, P.G.

Enclosures

cc: Paul McElvery (Bill Barrett Corporation)  
File (CBMA/Laramie)  
File (CBMA/Gillette)  
File (CBMA/Buffalo)

CBM ASSOCIATES, INC. ADDITIONAL OFFICES:

920 E. Sheridan Street  
Laramie, WY 82070  
307.742.4991

345 Sinclair Street  
Gillette, WY 82718  
307.686.6664

743 Horizon Court, Suite 250  
Grand Junction, CO 81506  
970.263.8679

3036 South Flower Court  
Lakewood, CO 80227  
303.973.2302



November 30, 2007

Mr. Jason Thomas  
Wyoming Department of Environmental Quality – Water Quality Division  
122 West 25th Street, Herschler Building, 4-W  
Cheyenne, Wyoming 82002

**RE: Hartzog Draw WY0052337 – Letter Minor Modification  
Bill Barrett Corporation**

Dear Mr. Thomas:

Bill Barrett Corporation (BBC) respectfully submits this letter minor modification for its WY0052337 Hartzog Draw coal bed natural gas (CBNG) facility. This modification seeks to alleviate a typographical error found within Table 1 located in Part I. B. 12. Location of Discharge Points on Page 7 of the August 31, 2007 signed major modification.

BBC requests to remove the 'groundwater approval required prior to discharge' column from Table 1 of this permit. This column is a typographical error as all reservoirs were removed from the permit with previous applications, specifically the minor modification application dated January 25, 2007 and the major modification application dated May 15, 2007. Please note that all other references to groundwater requirements have been removed from the permit. Reservoirs are not required for water management in the Belle Fourche watershed.

If you have any questions or comments regarding this letter minor modification, please feel free to contact me at (307) 685-4322 or at [pmcElvery@billbarrettcorp.com](mailto:pmcElvery@billbarrettcorp.com); you may also contact Sara Janssen of CBM Associates, Inc. at (307).742-4991 or at [sjanssen@cbmainc.com](mailto:sjanssen@cbmainc.com).

Sincerely,

A handwritten signature in black ink that reads 'Paul McElvery'.

Paul McElvery  
Water Resources Coordinator

/saj

cc: Bill Barrett Corporation – Gillette, WY  
CBM Associates, Inc. – Laramie, WY

1404 EAST BROOKS STREET  
GILLETTE, WY 82701  
P (307) 685-4322  
F (307) 685-3449

Wyoming Department of Environmental Quality  
Water Quality Division  
WYPDES Program

**Minor Modification**

This permit modification represents a minor modification of Permit No. WY0052337, known as Hartzog Draw, issued on August 31, 2007 and expiring on January 31, 2010. This facility is located in the Belle Fourche River Basin and is currently owned by Bill Barrett Corporation. The terms of Permit No. WY0052337 are hereby modified as follows:

1. Remove the groundwater approval requirements for all reservoirs. All reservoirs have been removed from the permit and are not used for water management.

**Same Terms and Conditions:** With the exception of items explicitly delineated in this minor modification, all terms and conditions of Permit No. WY0052337 shall remain unchanged and in full force and effect.

This minor modification is effective as of the date of signature below.



Bob Alexander  
Senior Environmental Analyst  
Water Quality Division  
Wyoming Department of Environmental Quality

Dec 21, 2007  
Date

Attachment: Permit, Page 7, Part I.B.12., Table 1  
cc: File WY0052337  
Sheridan Field Office  
Bill Barrett Corporation

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

PERMIT NO. 06-569

Hartzog Draw Camblin #2

This permit hereby authorizes the applicant:

Bill Barrett Corporation  
1901 Energy Ct., Suite 170  
Gillette, WY 82718

to assume ownership of one compliance monitoring well, previously permitted as 06-228, according to the procedures and conditions of the application number 06-569. The facilities are proximal to the on channel coalbed methane produced water impoundment located in Township 44 N, Range 74 W, Section 30 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, nor 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 2: 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 2: Monitoring Requirements:

Groundwater monitoring at the impoundments shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water level and sampling and analysis of groundwater at downgradient well Camblin #2 MW-A
- 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. The first set of data will be due by **July 15, 2006**.

The parameters listed in the table below are required for groundwater compliance monitoring beneath the listed impoundment:

**Impoundment: Camblin #2**

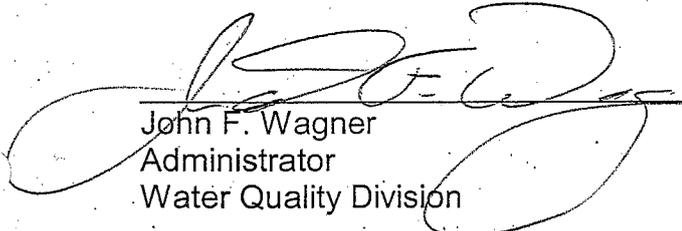
Parameter	Camblin #2 MW-A Background Value (mg/L) (03/11/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	< 0.001 (ND)	≥ 0.16	0.2
Selenium	< 0.003 (ND)	≥ 0.04	0.05
Sulfate	207	≥ 2400	3000
Total Dissolved Solids (TDS)	510	≥ 4000	5000
pH	8.07	≤ 6.5	6.5 – 8.5

Trigger values, specific to the groundwater samples at each impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with the analytical results due by the 15<sup>th</sup>

day of each month. If groundwater monitoring reveals a pH measurement of 6.5 or less, the WDEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.

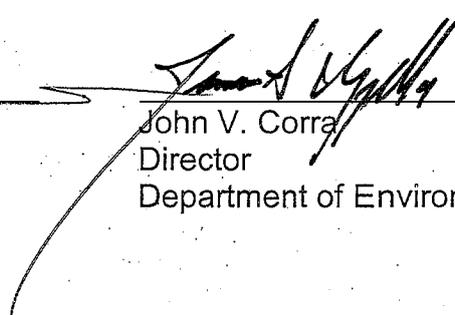
The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: [cbmgroundwater@state.wy.us](mailto:cbmgroundwater@state.wy.us). In addition, the accompanying analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

AUTHORIZED BY:



---

John F. Wagner  
Administrator  
Water Quality Division



---

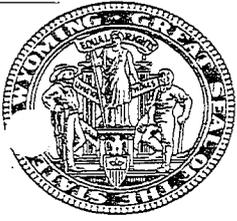
John V. Corra  
Director  
Department of Environmental Quality

**4/20/06**

---

Date of Issuance

UW/rm/6-0749



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

September 12, 2006

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

RE: SEI Shop Septic System  
Permit # 06-570

Dear Ms. Swingholm:

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

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

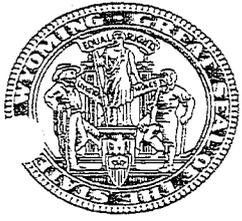
Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

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





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

August 22, 2006

Kim Essen  
P.O. Box 84  
Moorcroft, WY 82721

RE: Essen Residential Septic System  
Permit # 06-571

Dear Mr. Essen:

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

Additionally, the following project specific conditions also apply:

- A. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the tank** must be extended to the ground surface.
- B. Polyethylene Septic Tank Installation Requirements - To ensure structural integrity, the **manufacturer's instructions** regarding bedding the tank and filling the tank with water during burial **must be followed during installation**. Additionally, immediately after clean-outs, the tank must be refilled with water according to the manufacturer's instructions to maintain structural integrity.



IRS



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

August 22, 2006

Duane Hagen  
Debco, LLC  
P.O. Box 254  
Gillette, WY 82717

RE: Debco Septic System; Permit # 06-572

Dear Mr. Hagen:

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

Additionally, the following project specific conditions also apply:

- A. Septic Tank Size – The septic tank shall have a minimum capacity of 1,500 gallons. The manufacturer of the tank must be approved for a 1,500 gallon septic tank. A *Standard Septic Tank* detail sheet will be completed and submitted to this office prior to construction.

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

Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD



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

November 17, 2006

Duane Hagen  
Debco, LLC  
P.O. Box 254  
Gillette, WY 82717

RE: Debco Septic System; Permit # 06-572 (modified)

Dear Mr. Hagen:

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

Additionally, the following project specific conditions also apply:

- A. Septic Tank Size – The septic tank shall have a minimum capacity of 1,500 gallons. The manufacturer of the tank must be approved for a 1,500 gallon septic tank. A *Standard Septic Tank* detail sheet will be completed and submitted to this office prior to construction.
- B. Distribution Box – A distribution box shall be installed prior to the leachfield.



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

Sincerely,



Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion  
Standard Septic Tank Detail Sheet

cc: IPS, Cheyenne  
E.J. Collins, 200 West Hogeeye Drive, Gillette, WY 82716  
Keith Bowar, Campbell County, 500 South Gillette Avenue, Suite 1500, Gillette,  
WY 82716



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

August 23, 2006

Joy Kennedy  
2602 Nogales Way  
Gillette, WY 82716

RE: Kennedy Residential Septic System  
Permit # 06-573

Dear Ms. Kennedy:

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

Additionally, the following project specific conditions also apply:

- A. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the tank** must be extended to the ground surface.
- B. Polyethylene Septic Tank Installation Requirements - To ensure structural integrity, the **manufacturer's instructions** regarding bedding the tank and filling the tank with water during burial **must be followed during installation**. Additionally, immediately after clean-outs, the tank must be refilled with water according to the manufacturer's instructions to maintain structural integrity.

Page 1 of 2





The State  
of Wyoming



IPS

## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

September 12, 2006

Russ Surratt  
25 Ridge Road  
Moorcroft, WY 82721

RE: Surratt Residential Septic System  
Permit # 06-574

Dear Mr. Surratt:

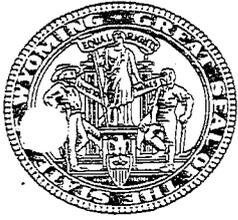
The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or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

Additionally, the following project specific conditions also apply:

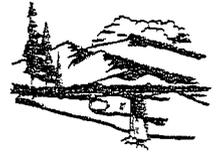
- A. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the tank** must be extended to the ground surface.
- B. Polyethylene Septic Tank Installation Requirements - To ensure structural integrity, the **manufacturer's instructions** regarding bedding the tank and filling the tank with water during burial **must be followed during installation**. Additionally, immediately after clean-outs, the tank must be refilled with water according to the manufacturer's instructions to maintain structural integrity.

Page 1 of 2





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

August 29, 2006

Larry Ellsbury  
P.O. Box 268  
Sundance, WY 82729

RE: Ellsbury Main House Residential Septic System, Permit # 06-575

Dear Mr. Ellsbury:

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

Additionally, the following project specific conditions also apply:

- A. Leachfield Isolation Requirements – The leachfield must be at least 10 feet from all property lines, including roadways.

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

Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
Linda Fritz, Crook County, P.O. Box 37, Sundance, WY 82729

Page 1 of 1





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

August 29, 2006

Chris and Lindsay Poniatowski  
58 3-S Loop Road  
Moorcroft, WY 82721

RE: Poniatowski Residential Septic System, Permit # 06-576

Dear Mr. and Mrs. Poniatowski:

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

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

Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
Linda Fritz, Crook County, P.O. Box 37, Sundance, WY 82729

Page 1 of 1



IPS



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

October 5, 2006

Thomas E. Doll, P.E.  
Williams Production RMT Company  
300 N. Works Avenue  
Gillette, WY 82716

RE: Carr Draw-Maycock CBM Water Treatment Facility  
Project Permit #06-577

Dear Mr. Doll:

The above application for coverage under "Permit to Construct a Gypsum CBM Water Treatment Pilot Project Treatment" in accordance with Section 12, Chapter 5 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

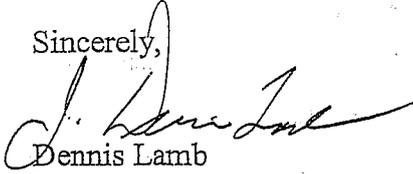
Additionally, the following item needs to be submitted to WDEQ/WQD:

1. As-built drawings of the project and date that CBM water treatment commences;
2. A monthly update on the plant operations and any other applicable information regarding the operation of the pilot project facility and any changes/problems in the operation of the facility, and the quantity and type of chemicals used at the facility;
3. All water quality analysis will be conducted on **influent and effluent** waters. The water quality analysis will be included in the monthly report.



If you have any questions please contact Dennis Lamb at 152 North Durbin, Casper, WY, 82601, (307) 473-3452. Thank you.

Sincerely,



Dennis Lamb

CBM Program Supervisor

DEQ/WQD

cc: Mark Dunn, CBM Associates, Inc., 920 E. Sheridan Street, Laramie, WY 82070  
Peggy Carter, Williams Production RMT Company, 300 North Works Avenue, Gillette, WY 82716  
Aaron DeJoia, KC Harvey, LLC, 233 Edelweiss Drive, Unit 11, Bozeman, MT 59718



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

August 28, 2006

Mr. Herman Noe, Manager of Engineering  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003-1469

RE: Marriott Springhill Suites Water and Sewer Extensions, Application No. 06-578, Laramie County

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as 8" diameter water main loop and 8" sewer line extension to serve a 92 bed hotel and two commercial buildings, SW 1/4 Section 5 T13N 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 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 September 15, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **06-578** in any future correspondence.

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

Sincerely,

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

cc: IPS, Cheyenne  
Lawrence Gallagher, Summit Engineering, LLC  
5907 Townsend Place  
Cheyenne WY 82009

LBH/rm/6-0788

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

ADMIN/OUTREACH  
(307) 777-7758  
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 777-6937

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

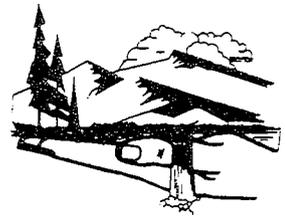
SOLID & HAZ. WASTE  
(307) 777-7752  
FAX 777-5973

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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

September 21, 2006

Toby & Kendall Hohnholt  
P.O. Box 731  
Guernsey, Wyoming 82214

RE: Toby Hohnholt Small Wastewater Treatment Facility, Application No. **06-579**  
Location: SW¼ NE¼, Section 4, T27N, R65W, Platte County

Dear Mr. & Mrs. Hohnholt:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **3 bedroom** mobile home 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 September 21, 2008. Please reference Application Number **06-579** in any future correspondence.

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

Sincerely,

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

RLE/rm/6-0871

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

cc: IPS, Cheyenne  
Jake Chaffin, Willcuts Backhoe Service, 852 Pine Street, Wheatland, WY 82201  
Platte County Planner, Marlin Johnson, P.O. Box 728, Wheatland, Wyoming 82201

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

ADMIN/OUTREACH  
(307) 777-7758  
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 777-6937

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



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

PERMIT NO. 06-580

River POD: P5776-1920 and -1922

This permit hereby authorizes the applicant:

Nance Petroleum Corporation  
Attn.: Mr. Jim Shaffer  
550 N. 31<sup>st</sup> St., Suite 500  
Billings, MT 59101

to have installed two compliance monitoring wells according to the procedures and conditions of the application number 06-580. The facilities are proximal to the on channel coalbed methane produced water impoundments located in Township 57N, Range 76W, Section 19 in the county of Sheridan, 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, nor 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 3: 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 3: 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 3: Monitoring Requirements:

Groundwater monitoring at the impoundments shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water level and sampling and analysis of groundwater at downgradient wells MW-5776-1920B and MW-5776-1922B.
- Reporting results of quarterly monitoring and sampling need to be at 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. The first set of data will be due by **January 15, 2007**.

The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

**Impoundment P57-76-1920**

Parameter	MW-5776-1920B Background Value (mg/L) (06/21/06)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.0016	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1650	≥ 2400	3000
Total Dissolved Solids (TDS)	2910	≥ 4000	5000
pH	7.2	≤ 6.5	6.5 – 8.5 (s.u)

**This space intentionally left blank**

### Impoundment P57-76-1922

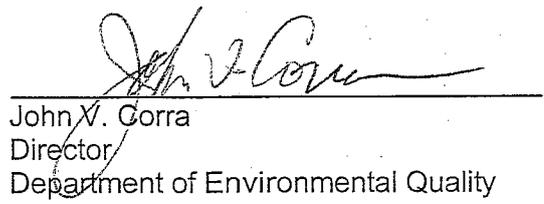
Parameter	MW-5776-1922B Background Value (mg/L) (06/19/06)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.0029	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1530	≥ 2400	3000
Total Dissolved Solids (TDS)	2760	≥ 4000	5000
pH	6.9	≤ 6.5	6.5 – 8.5 (s.u)

Trigger values, specific to the groundwater samples at each impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with the analytical results due by the 15<sup>th</sup> day of each month. If groundwater monitoring reveals a pH measurement of 6.5 or less, the WDEQ 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: [cbmgroundwater@state.wy.us](mailto:cbmgroundwater@state.wy.us). In addition, the accompanying analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

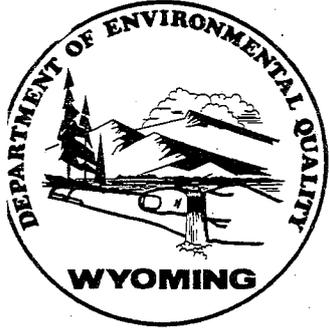
AUTHORIZED BY:

  
 John F. Wagner  
 Administrator  
 Water Quality Division

  
 John V. Corra  
 Director  
 Department of Environmental Quality

11/18/06  
 Date of Issuance

WDF/rm/6-1054



**GROUNDWATER PROGRAM**  
**REVIEW COMMENTS:**  
**PLANS/SPECIFICATIONS/PROPOSALS/REPORTS**

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1866 South Sheridan Avenue  
Sheridan, WY 82801  
Phone: 307-672-6457

**PERMIT TYPE:** CBM: Groundwater Compliance Monitoring Program

**WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER:** 06-580

**SITE (POD) NAME:** River POD: P57-76-1920 and 1922

**APPLICANT:** Nance Petroleum Corporation  
Attn.: Mr. Jim Shaffer  
550 N. 31<sup>st</sup> St., Suite 500  
Billings, MT 59101

**CONSULTANT:** HydroSolutions, Inc.  
Attn.: Eric Detmer  
1949 Sugarland Drive, #140  
Sheridan, WY 82801

**LOCATION:** Drainage: Big Remington Creek,  
tributary to Powder River  
County : Sheridan  
Township 57 North; Range 76 West

**DATE ON REPORT:** August 18, 2006

**REVIEWING OFFICIAL:** Ursula Williams, North District Groundwater Sen. Analyst

**DATE OF THIS REVIEW:** September 20, 2006

**ACTION:** Compliance Monitoring Plan authorized for River POD: P57-76-1920 and 1922 pursuant to conditions on permit # 06-580

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Big Remington Creek, tributary to Powder River

Type of Impoundment(s)

	"Off channel "
2	"On channel"

Groundwater Classification:

Class 1 (domestic)	
Class 2 (agricultural)	
Class 3 (livestock)	2

Basis for Classification: Laboratory analysis of groundwater indicates ambient water quality meets Water Quality Rules and Regulations Chapter 8 Class III standards and exceeds both Class I and Class II standards for Sulfate and Total Dissolved Solids (TDS) (Table 1- Chapter 8).

Description of Hydrogeology: Surficial geology maps of the area indicate both impoundments will be located in a mixture of alluvium and colluvium and are within 500 feet of alluvium in Big Remington Creek (Ver Ploeg, Alan J. and Cynthia Boyd, 2005, Geologic Map of the Sheridan 30' bt 60' Quadrangle...). Therefore the impoundments will be considered on-channel.

Groundwater occurs in a silty sandstone in five of the six wells installed at this site. The sandstone varies in thickness from 14 to 25 feet and was first encountered at elevations ranging from 3598 to 3611 feet amsl. In the sixth well, groundwater occurred in a coal and appears to be hydraulically connected to the sandstone encountered in the other wells.

Static water level elevations range from 3602 to 3613 feet amsl and correlate well across this site. The groundwater gradient is sub-parallel to the general course of Big Remington Creek and indicates some convergence upon the creek. The creek elevation ranges from 3620 to 3600 feet amsl in the vicinity of the reservoirs and is approximately 3485 feet amsl at its confluence with the Powder River.

A coal seam was encountered in five of the six boreholes; located above the saturated sandstone, where they both occurred in the same hole. It ranges in thickness from two to 20 feet and was encountered at depths ranging from 27 to 51 feet below ground surface (elevations from 3612 to 3631 feet amsl). This coal is generally overlain by ten to 30 feet of shale, thus infiltration into it may be limited. Should the coal become partially saturated with infiltrating impoundment water, this water may resurface where the coal crops out either in Big Remington Creek or in the Powder River.

Table 1. Names of Impoundments covered under Permit 06-580

Impoundment Name	Capacity (acre/ft)	Type	Qtr	Qtr	Section	Town.	Range	Downgradient Monitoring Well
P57-76-1920	41.19	On-channel	N	W	19	57 N	76 W	MW-5776-1920B
P57-76-1922	65.09	On-channel	N	W	19	57 N	76 W	MW-5776-1922B

## 2.0 MONITORING AND REPORTING REQUIREMENTS

Groundwater monitoring at the impoundments shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water level and sampling and analysis of groundwater at downgradient wells: MW-5776-1920B and MW-5776-1922B.
- 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. The first set of data will be due by **January 15, 2006**.
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

### Impoundment P57-76-1920

Parameter	MW-5776-1920B Background Value (mg/L) (06/21/06)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.0016	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1650	≥ 2400	3000
Total Dissolved Solids (TDS)	2910	≥ 4000	5000
pH	7.2	≤ 6.5	6.5 – 8.5 (s.u)

### Impoundment P57-76-1922

Parameter	MW-5776-1922B Background Value (mg/L) (06/19/06)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.0029	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1530	≥ 2400	3000
Total Dissolved Solids (TDS)	2760	≥ 4000	5000
pH	6.9	≤ 6.5	6.5 – 8.5 (s.u)

Trigger values, specific to the groundwater samples at this impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of

the groundwater for all listed parameters is required, with the analytical results due by the 15<sup>th</sup> day of each month. If groundwater monitoring reveals a pH measurement of 6.5 or less, the WDEQ 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: [cbmgroundwater@state.wy.us](mailto:cbmgroundwater@state.wy.us). In addition, the accompanying analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

**END OF REVIEW**

**UMW/rm/6-1054**

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

PERMIT NO. 06-582

Cabin Creek Fee: Perry Enlarged Stock

This permit hereby authorizes the applicant:

Pinnacle Gas Resources Inc.  
Attn.: Mr. Brian Johnston  
1 E. Alger St., Suite 205  
Sheridan, WY 82801

to have installed one compliance monitoring well according to the procedures and conditions of the application number 06-582. The facilities are proximal to the on channel coalbed methane produced water impoundments located in Township 57N, Range 76W, Section 31 in the county of Sheridan, 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, nor 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 3: 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 3: 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 3: Monitoring Requirements:

Groundwater monitoring at the impoundments shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water level and sampling and analysis of groundwater at downgradient well MW-1.
- Reporting results of quarterly monitoring and sampling need to be at 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. The first set of data will be due by **January 15, 2007**.

The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

**Impoundment Perry Enlarged Stock Reservoir**

Parameter	MW-1 Background Value (mg/L) (4/13/06)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.002	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	180	≥ 2400	3000
Total Dissolved Solids (TDS)	2410	≥ 4000	5000
pH	8.3	≤ 6.5	6.5 – 8.5 (s.u)

Trigger values, specific to the groundwater samples at each impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with the analytical results due by the 15<sup>th</sup> day of each month. If groundwater monitoring reveals a pH measurement of 6.5 or less, the WDEQ 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: [cbmgroundwater@state.wy.us](mailto:cbmgroundwater@state.wy.us). In addition, the accompanying analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

AUTHORIZED BY:



---

John F. Wagner  
Administrator  
Water Quality Division



---

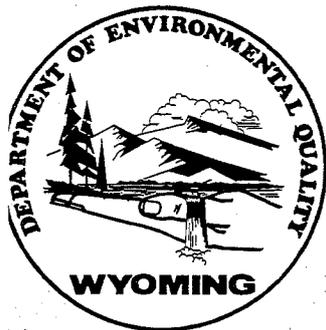
John V. Corra  
Director  
Department of Environmental Quality

11-7-06

---

Date of Issuance

WDF/rm/6-1049



**GROUNDWATER PROGRAM**  
**REVIEW COMMENTS:**  
**PLANS/SPECIFICATIONS/PROPOSALS/REPORTS**

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1866 South Sheridan Avenue  
Sheridan, WY 82801  
Phone: 307-672-6457

**PERMIT TYPE:** CBM: Groundwater Compliance Monitoring Program

**WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER:** 06-582

**SITE (POD) NAME:** Cabin Creek Fee: Perry Enlarged Stock

**APPLICANT:** Pinnacle Gas Resources Inc.  
Attn.: Mr. Brian Johnston  
1 E. Alger St, Suite 206  
Sheridan, WY 82801

**CONSULTANT:** ALL Consulting  
Attn.: Heidi Kaiser  
1305 E. 15<sup>th</sup> St., Suite 205  
Tulsa, OK 74120

**LOCATION:** Drainage: Unnamed tributary to Powder River  
County : Sheridan  
Township 57 North; Range 76 West

**DATE ON REPORT:** August 14, 2006

**REVIEWING OFFICIAL:** Ursula Williams, North District Groundwater Sen. Analyst

**DATE OF THIS REVIEW:** November 1, 2006

**ACTION:** Compliance Monitoring Plan authorized for Cabin Creek Fee: Perry Enlarged Stock pursuant to conditions on permit # 06-582

## COMMENTS: GROUNDWATER SECTION

### 1.0 SITE SUMMARY:

#### 1.1 Site Description.

Watershed Name: unnamed tributary to Powder River

Groundwater Classification:

Class 1 (domestic) \_\_\_\_\_  
Class 2 (agricultural) \_\_\_\_\_  
Class 3 (livestock) 1 \_\_\_\_\_

Basis for Classification: Laboratory analysis of groundwater indicates ambient water quality meets all Water Quality Rules and Regulations Chapter 8 Class III standards and exceeds both Class I and Class II standards for Total Dissolved Solids (Table 1- Chapter 8).

Description of Hydrogeology: Groundwater occurs beneath the Perry Enlarged Stock Reservoir in a coal which was encountered between 3,469 and 3,498 feet amsl and appears to be below the Canyon coal (which crops out adjacent to the Powder River alluvium). The water bearing coal varied in thickness from 25 to 35 feet and dips approximately 3.1° in the N25°W. A thirty to thirty-five foot coal is documented at similar elevations in several CBM wells on file with the Wyoming Oil and Gas Conservation Commission which further supports the information submitted with this report. Given this strike and dip the water bearing coal is projected to occur about 200 feet below the bed of the Powder River north west of the reservoir.

Sand and sandstones were encountered in the upper most 30 feet of the downstream-most monitoring well. These sands may provide an avenue for seepage from the reservoir to the channel of the unnamed tributary on which the reservoir is proposed to be located.

**Table 1. Names of Impoundment covered under Permit 06-582**

Impoundment Name	Capacity (acre/ft)	Type	Qtr	Qtr	Section	Town.	Range	Downgradient Monitoring Well
Perry Enlarged Stock	257	On-channel	NWNE		31	57 N	76 W	MW-1

## 2.0 MONITORING AND REPORTING REQUIREMENTS

Groundwater monitoring at the impoundments shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water level and sampling and analysis of groundwater at downgradient well: MW-1.
- 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. The first set of data will be due by **January 15, 2006**.
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

**Impoundment Perry Enlarged Stock Reservoir**

Parameter	MW-1 Background Value (mg/L) (4/13/06)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.002	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	180	≥ 2400	3000
Total Dissolved Solids (TDS)	2410	≥ 4000	5000
pH	8.3	≤ 6.5	6.5 – 8.5 (s.u)

Trigger values, specific to the groundwater samples at this impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with the analytical results due by the 15<sup>th</sup> day of each month. If groundwater monitoring reveals a pH measurement of 6.5 or less, the WDEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.

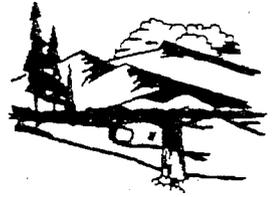
The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: [cbmgroundwater@state.wy.us](mailto:cbmgroundwater@state.wy.us). In addition, the accompanying analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

**END OF REVIEW**

**WDF/rm/6-1049**



# 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 18, 2006  
Chairman  
Campbell County Board of Commissioners  
500 South Gillette Ave, Suite 212  
Gillette, WY 82716

*Harmon*

**RE: Revised Non-Adverse Recommendation Rozet Ranchettes Subdivision Phase II, Campbell County  
WDEQ Application #06-583**

**Dear Commissioners:**

The Wyoming Department of Environmental Quality has revised the recommendations applicable to the proposed Rozet Ranchettes Subdivision – Phase II located in portions of Sections 26, 27, 34, and 35 T50N R70W 6<sup>th</sup> P.M., in Campbell County, Wyoming. Wester Wetstein & Associates, in a document signed by Bill Carson P.E. a Wyoming Licensed Engineer, has submitted information correcting water quality information submitted in the August 2006 report. This letter represents the revised recommendations of the Wyoming Department of Environmental Quality as required, W.S. 18-5-306 (c).

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

The proposed water system is a community public water system. Rozette Ranchettes Well #1 (U.W. 175172) has been determined by Wester Wetstein & Associates to be capable of providing an adequate quantity of water for a 61 lot subdivision. The original report indicated that the water quality does not meet EPA primary drinking water standards due to elevated levels of arsenic. Additional investigation and extensive testing, including third party sampling has demonstrated that the initial elevated arsenic level reported was not from the aquifer. The arsenic appears to have been introduced by the pumping equipment, discharge hose, or sampling activities. Therefore, treatment for arsenic removal is not required to meet EPA primary drinking water standards. A permit to construct complying with the requirements of Wyoming Water Quality Division Chapter 12 for the entire water supply system must be obtained from the Wyoming Department of Environmental Quality before any construction begins. Before the water system can be placed into service the owner of the public water system must register with EPA Region 8 as a public water supply and employ water treatment and distribution operators with the proper level certification. The information submitted addresses the safety and adequacy of the proposed water system



Note required to be added to the final plat, and other pertinent documents (Note 2 from the original recommendations has been deleted):

1. Individual water wells will not be allowed in this subdivision.

**Conclusions:**

The Department of Environmental Quality has "no adverse" recommendations applicable to the Rozet Ranchettes Subdivision – Phase II.

**Disclaimer:**

The Non-Adverse recommendation provided above has nothing to do with, nor has any bearing on the water rights associated with the Rozet Ranchettes Subdivision – Phase II. Any questions or concerns about the water rights for the Rozet Ranchettes Subdivision – Phase II should be directed to the State Engineer's Office.

Nothing in Department of Environmental Quality recommendations or comments regarding the Timothy "Zeke" Zebroski proposal for the Rozet Ranchettes Subdivision – Phase II shall be construed to relieve Timothy "Zeke" Zebroski 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 Department of Environmental Quality or Campbell County to the issuance of required permits for construction, operation, or modification of water supply or sewage systems

Sincerely,

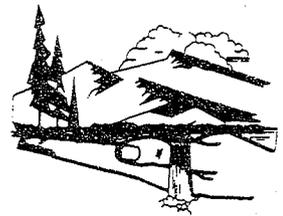


Louis B. Harmon PE-PG  
Water and Wastewater Program, Wyoming Water Quality Division

cc: Director Campbell County Dept. of Public Works, 500 S. Gillette Ave,  
Suite 145, Gillette, WY 82716  
Campbell County Planner, 500 S. Gillette Ave, Suite 1500, Gillette, WY 82716  
Bill Carson, Wester-Wetstein & Assoc., 201 West Lakeway, Suite 1000, Gillette,  
WY 82718  
Timothy Zebroski, 4402 Collins Road, Gillette, WY 82716



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

November 21, 2006

MS Marion Griffin, President  
Griffin's Gate Inc.  
P.O. Box 261  
Laramie, WY 82073

RE: Griffin's Gate Waterline Extension, Application No.06-584, Albany County

Dear MS Griffin:

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 described as 8" diameter PVC waterline loop to serve Griffin's Gate Subdivision, NW 1/4 Section 16 T15N R73W; Albany County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All 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. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2010.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-584 in any future correspondence.

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

Sincerely,

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

cc: IPS, Cheyenne

South of Laramie Water and Sewer District, 2461 County Shop Road, Laramie WY 82070

Albany County Planner, 1002 South Third Street, Laramie WY 82070

James Johnson, Johnson Engineering Associates  
110 Superior Court  
Laramie WY 82072

LBH/rm/6-1100

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

ADMIN/OUTREACH  
(307) 777-7758  
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 777-6937

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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

October 25, 2006

David and Cindy DeLancey  
DeLancey Enterprises LLC  
P.O. Box 1854  
Rawlins WY 82301

RE: Rawlins Equestrian Center Residential System  
Location: NE 1/4 Section 21 T21N R87W

Application No. **06-585**  
County Carbon

Dear Mr. and Mrs. DeLancey:

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 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.

The approval granted under this Notification Of Coverage and the General Permit shall expire on May 10, 2009. Please reference Application Number **06-585** in any future correspondence.

The non-potable well must be properly abandoned as required by the State Engineer's Office and DEQ regulations within 6 months after the leachfield is constructed.

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

Sincerely,

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

LBH/rm/6-0989

cc: IPS, Cheyenne  
Carbon County Planning Office  
P.O. Box 6  
Rawlins WY 82301-0006

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

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

ADMIN/OUTREACH  
(307) 777-7758  
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 777-6937

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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

August 28, 2006

LTC Douglas Nichols, Base Civil Engineer  
Wyoming Air National Guard  
217 Dell Range Blvd  
Cheyenne, WY 82009-6427

RE: Composite Airlift Support Complex Water and Sewer Extensions, App. No. **06-586**, Laramie County

Dear LTC Nichols:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as 1410 feet of 12" ductile iron and PVC C-900 watermain, 1380 feet of 8" PVC C-900 watermain, 7 fire hydrants, 700 feet of 8" PVC SDR-35 sanitary sewer main and a duplex lift stations, Sections 19 and 30 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 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 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. All construction, installation, or modification allowed by this notification of coverage shall be completed by September 15, 2010.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **06-586** in any future correspondence.

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

Sincerely,

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

cc: IPS, Cheyenne  
Herman Noe, Cheyenne Board of Public Utilities, P.O. Box 1469, Cheyenne WY 82003-1469

Daryl G. Johnson, AVI p.c.  
2035 Westland Road  
Cheyenne WY 82001

LBH/rm/6-0789

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

ADMIN/OUTREACH  
(307) 777-7758  
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 777-6937

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

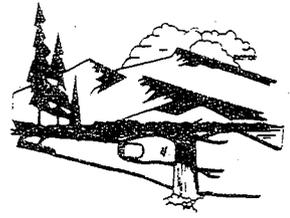
SOLID & HAZ. WASTE  
(307) 777-7752  
FAX 777-5973

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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

August 23, 2006

Mayor Michael Varney,  
City of Torrington  
P.O. Box 250  
Torrington, WY 82240

RE: Torrington East "N" Street Hydrant Relocation, Application No.06-588,Goshen County

Dear Mayor Varney:

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 described as relocation of a fire hydrant, NW 1/4 Section 14 T24N R61W; 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 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 September 15, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-588 in any future correspondence.

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

Sincerely,

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

cc: IPS, Cheyenne

Bob Juve, City of Torrington  
P.O. Box 250  
Torrington, WY 82240

LBH/rm/6-0775

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

ADMIN/OUTREACH  
(307) 777-7758  
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 777-6937

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

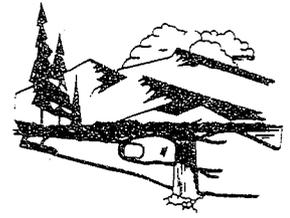
SOLID & HAZ. WASTE  
(307) 777-7752  
FAX 777-5973

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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

October 12, 2006

A&T Development, LLC  
ATTN: Todd Gnose  
2280 West Teton Boulevard  
Rock Springs, Wyoming 82935

RE: Sweetwater Downs Subdivision  
Application No. 06-591

Dear Mr. Gnose:

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, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

The approval granted under this Notification Of Coverage and the General Permit shall expire on October 1, 2008. Please reference Application Number **06-591** in any future correspondence.

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

Sincerely,

Brian Mark  
Program Principal  
Water Quality Division

BDM/rm/6-0942

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  
Randy Hansen, JFC Engineers, 1515 Ninth Street, Rock Springs, WY 82901  
Bryan Seppie, GR-RS-Sweetwater County JPB, PO Box 1299, Green River Wyoming 82935  
Paul Kauchich & Vess Walker, City of Rock Springs, 212 D Street, Rock Springs, Wyoming 82901

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

ADMIN/OUTREACH  
(307) 777-7758  
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 777-6937

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 06-592

Town of Hudson's Wastewater Wet Well and Force Main

This permit hereby authorizes the applicant:

Jake Hamon, Mayor  
Town of Hudson  
333 South Main Street  
Hudson, WY 82515

to construct a new wastewater wet well containing a 2-pump (100 gpm against 35-ft head design), recessed pump station and 4-inch forced main to replace a damaged and flooded wastewater wet, according to the procedures and conditions of the application number 06-592. The facility is located within Section 7, Township 2 South, Range 2 East in the county of Fremont, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by September 5, 2008.

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

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

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

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

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

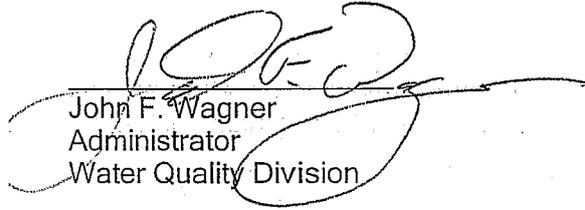
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

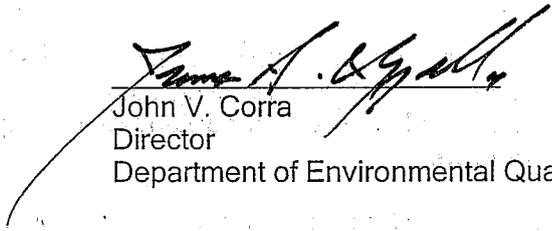
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 4            Routine inspections and maintenance are essential for the long-term efficiency of this new facility.
- 2 of 4            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.
- 3 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.
- 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

September 6, 2006  
Date of Issuance  
JSB/rm/6-0821  
SRM 9/6/06

## STATEMENT OF BASIS

1. Permit Number: 06-592
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?  
No. A variance from the chapter 11, section 18(v)(A) requiring that the inlet pipe to the lagoon terminate at least 30 feet from any bank. This variance can be granted since this project is classified as an emergency and corrective changes will be made with a subsequent project on the wastewater lagoon.
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.  
Not Required
6. Documentation of Statement of Basis: The archives file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, [jbroug@state.wy.us](mailto:jbroug@state.wy.us), Environmental Engineer and completed on September 5, 2006. 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: Wes Bressler, P.E., Trihydro Corp., 1252 Commerce Drive, Laramie, WY 82070

F:\DIVISION\WQD\WP\2006 Permits & Reviews\06-592.pc.jsb.doc



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

October 23, 2006

Sparrow Group  
ATTN: Alex Burkhalter  
619 S.W. Higgins Avenue, Suite E  
Missoula, MT 59803

RE: Stadium Place Water and Sewer Improvements  
Application No. **06-593**

Dear Mr. Burkhalter:

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, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

The approval granted under this Notification Of Coverage and the General Permit shall expire on October 1, 2008. Please reference Application Number **06-593** in any future correspondence.

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

Sincerely,

Brian Mark  
Program Principal  
Water Quality Division

BDM/rm/6-0977

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  
Dayton Alsaker, HKM Engineering, PO Box 7010, Sheridan, Wyoming 82001  
Mike Cole, City of Sheridan, PO Box, 848, Sheridan, Wyoming 82801

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

ADMIN/OUTREACH  
(307) 777-7758  
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 777-6937

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 06-594

Sewer Line Extension to Worland Municipal Airport

This permit hereby authorizes the applicant:

Sonny Shearer, Mayor  
City of Worland  
P.O. Box 226  
Worland, WY 82401

to install approximately 10,784 linear feet of 8-inch sewer liner to serve the Worland Municipal Airport and future residential connections; according to the procedures and conditions of the application number 06-594. The facility is located within Sections 1, 12, 6 & 7; Township 46 North and Ranges 92 & 93 West in the county of Washakie, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 5, 2008.

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

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

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

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

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

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

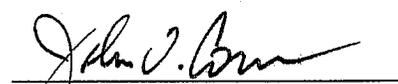
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 3      The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3      Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 3      The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

12/8/06  
Date of Issuance

JSB/rm/6-1139

## STATEMENT OF BASIS

1. Permit Number: 06-594
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?  
No. A variance from the minimum slope requirement of 0.40 feet per 100 feet for 8-inch sewer line has been requested.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.  
Yes, DEQ/WQD Policy 13.9.13 allows 8-inch sewer main to be installed at 0.30 feet per 100 feet with the following conditions: 1) the sewer pipe is constructed of SDR 35 PVC, 2) the pipe will be installed using a sewer laser to ensure accurate and uniform grade, 3) the pipe will be bedded with Type 1 bedding material using Type A trench backfill methods, 4) The City of Worland has provided written approval of the design, and 5) the City of Worland will provide full time inspection.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.  
Sewerage systems are exempted from review by Chapter 3, Section 17.
6. Documentation of Statement of Basis: The archives file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, [jbroug@state.wy.us](mailto:jbroug@state.wy.us), Environmental Engineer and completed on October 5, 2006. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

Xc: David Anderson, P.E., Donnell & Allred, Inc., P.O. Box 638, Worland, WY 82401  
Gene Cliame, City of Worland, P.O. Box 226, Worland, WY 82401  
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

August 29, 2006

Matt Garoutte  
P.O. Box 1114  
Sundance, WY 82716

RE: Garoutte Residential Septic System, Permit # 06-595

Dear Mr. Garoutte:

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

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

Sincerely,

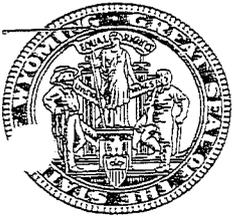
Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

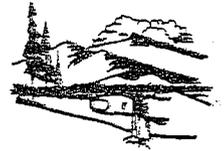
cc: IPS, Cheyenne  
Linda Fritz, Crook County, P.O. Box 37, Sundance, WY 82729

Page 1 of 1





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

August 22, 2006

Matt Garland  
MGM Enterprises  
P.O. Box 3300  
Gillette, WY 82717

RE: Jessen Shop, Lot 14, Hannum Road Industrial Park  
Permit # 06-597

Dear Mr. Garland:

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

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

Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
Curtis J. Betcher, Road Runner Construction, 1333 Moonshine Lane, Gillette, WY 82718  
Keith Bowar, Campbell County, 500 South Gillette Avenue, Suite 1500, Gillette, WY 82716

Page 1 of 1





# Department of Environmental Quality

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



Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

September 19, 2006

Mr. Jeff Milton, President  
c/o Dubois Rural Fire District  
P.O. Box 443  
Dubois, WY 82513

RE: Dubois Rural Fire District Fire Station's Water & Sewer Lines, Permit Number: 06-599, Latitude 43.53 N, Longitude 109.63 W, Fremont County

Dear Mr. Milton:

The above application for coverage under General Permit to install a new 4-inch fire suppression line and a 8-inch sewer service equipped with a sand-oil separator has been reviewed in accordance with Chapter 3, Section 7; Chapter 11, Section 9; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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

Sincerely,

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

xc: IPS, Cheyenne  
Arvin Miller, Town of Dubois, P.O. Box 555, Dubois, WY 82513

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

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

ABANDONED MINES  
(307) 332-5085  
FAX 332-7726

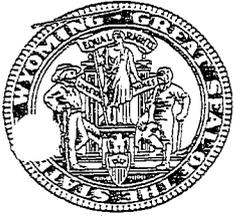
AIR QUALITY  
(307) 332-6755  
FAX 332-7726

LAND QUALITY  
(307) 332-3047  
FAX 332-7726

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

WATER QUALITY  
(307) 332-3144  
FAX 332-3183





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

August 29, 2006

Kelly N. Johannsen  
P.O. Box 415  
Gillette, WY 82716

RE: Temporary Septic Holding Tank, 1375 Southern Drive  
Permit # 06-600

Dear Ms. Johannsen:

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

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

Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

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

Page 1 of 1



