

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
AS - BUILT  
PERMIT TO CONSTRUCT  
PWS # WY5601437

PERMIT NO. 06-001R

Reference Permit No. 06-002R

Wind River View Campground- East Water and Sewer Systems - Sublette County

This permit hereby authorizes the applicant:

Michael W. Dewitt, Owner  
Wind River Campground  
P.O. Box 39  
Boulder, WY 82923

to construct a sewage collection and septic system along with a public water supply distribution system to serve 18 RV sites, according to the procedures and conditions of the application number 06-001R. The facility is located at NE1/4 Section 8, T32N, R108W in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by March 31, 2008.

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

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

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

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

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

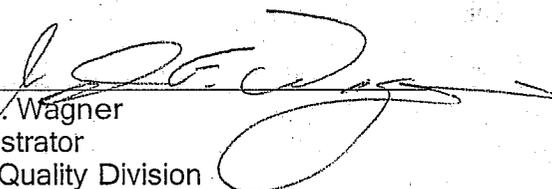
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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

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

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

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John W. Corra  
Director  
Department of Environmental Quality

4/6/06  
Date of Issuance

MDB/mdb/jc/6-0271  
ORR 4/3/06

## STATEMENT OF BASIS

1. Permit Number: 06-001R
2. Application reviewed for compliance with the following regulations:  
Chapters 3, 11 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?  
Yes.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.  
Not required.
5. Documentation of Statement of Basis: The archives file for this permit include adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, mbaron@state.wy.us, Environmental Senior Analyst and completed on March 31, 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: Planning and Zoning Administrator, Sublette County Planning and Zoning Office,  
P.O. Box 506, Pinedale, WY 82941

Keith Raney, Environmental Health, P.O. Box 722, Pinedale, WY 82941

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
AS - BUILT  
PERMIT TO CONSTRUCT  
PWS # WY5601437

PERMIT NO. 06-002R

Reference Permit No. 05-057R

Wind River View Campground- North and South Water and Sewer Systems - Sublette County

This permit hereby authorizes the applicant:

Michael W. Dewitt, Owner  
Wind River Campground  
P.O. Box 39  
Boulder, WY 82923

to construct a sewage collection and septic systems along with public water supply distribution systems to serve one additional RV site for a total of 13 RV sites on the North System and to serve two additional RV sites for a total of 14 RV sites on the South System, according to the procedures and conditions of the application number 06-002R. The facility is located at NE 1/4 Section 8, T32N, R108W in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by April 3, 2008.

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

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

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

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

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

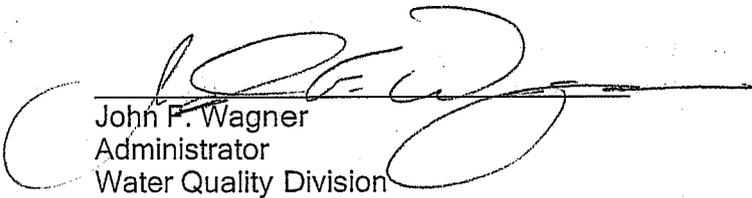
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

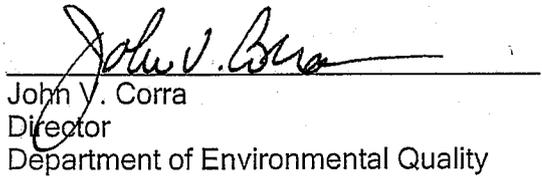
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

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

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

4/10/06  
Date of Issuance  
MDB/mdb/jc/6-0277  
GRM 4-7-6

## STATEMENT OF BASIS

1. Permit Number: 06-002R
2. Application reviewed for compliance with the following regulations:  
Chapters 3, 11 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?  
Yes.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.  
Not required.
5. Documentation of Statement of Basis: The archives file for this permit include adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, mbaron@state.wy.us, Environmental Senior Analyst and completed on April 3, 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: Planning and Zoning Administrator, Sublette County Planning and Zoning Office,  
P.O. Box 506, Pinedale, WY 82941

Keith Raney, Environmental Health, P.O. Box 722, Pinedale, WY 82941



# 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

August 20, 2007

Frank Stillson  
Worland WY FM Group  
500 Sagebrush Drive  
Worland, WY 82401

RE: Ten Sleep LDS Church Water Well, Permit Number: 06-003 Withdrawn, Washakie County

Dear Mr. Stillson:

On August 17, 2007 you confirmed with me on the phone that the Ten Sleep LDS Church Water Well project is no longer being pursued. Thus, permit application 06-003 is being withdrawn and attached is one copy of the application which you requested. The construction, installation, or modification of a public water supply system without a 'Permit to Construct' is a violation of Wyoming State Statute 35-11-301 and may lead to the imposition of penalties.

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

Sincerely,

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

xc: Sherman Allred, P.E., Donnell & Allred, Inc., P.O. Box 638, Worland, WY 82401  
IPS

Encl: One copy of application form





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 23, 2006

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

RE: Laramie County Library Water and Sewer Improvements, Application No.06-004, 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 one new fire hydrant, two fire hydrant replacements, fire service line and sewer service line with a new manhole, SW 1/4 Section 31 T14N R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the 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 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. 06-004 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

LBH/bb/6-0049.NOC

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

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
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# PERMIT TO CONSTRUCT

New  
Renewal  
Modified

PERMIT NO. 06-005  
SPECIAL CONDITIONS  
REF/PERMIT NO. 03-044

## Wastewater Reuse Pipeline, Pumping, and Land Application

This permit hereby authorizes the applicant:

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

to construct, install or modify 21,000 feet of transmission pipeline, 40,000 feet of distribution pipeline, two pump stations and make continuing land application to public areas according to the procedures and conditions of the application number 06-005. The facility is located in Section 3, T13N R66W and numerous other sections in the county of Laramie, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by August 10, 2010.

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

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

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

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

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

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

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

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

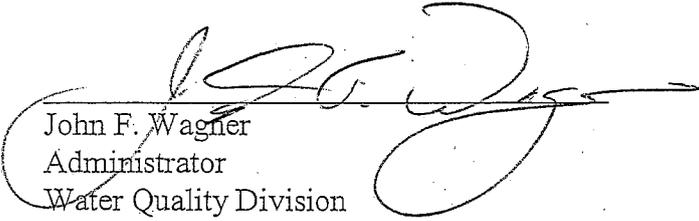
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

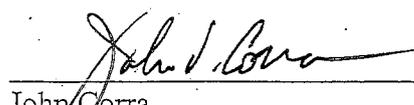
- 1 of 6 The applicant will provide immediate oral and/or written notice to the DEQ/WQD Southeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 6 The point of compliance for Class A reuse testing will be as the water leaves the high service pumping station at the Crow Creek Water Reclamation Facility.
- 3 of 6 If a WYPDES permit is obtained, water from the reuse system may be released into Lake Minihaha.
- 4 of 6 Record keeping requirements:
  - a. Annual reports do not need to be submitted to the Water Quality Division. The five year record retention requirement is not changed.
  - b. The requirements for record keeping for water delivered to end users may be satisfied by
    - (1) Maintaining a current map for each end user showing the areas that are irrigated.
    - (2) Maintaining monthly meter readings for five years.
- 5 of 6 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.

e. An operation and maintenance manual that satisfies the requirements of Chapter 21, Section 17.

6 of 6 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 Corra  
Director  
Department of Environmental Quality

2/27/06  
Date of Issuance

LBH/jc/6-0170

cc:

## STATEMENT OF BASIS

1. Permit Number: 06-005
2. Application reviewed for compliance with the Chapters 3, 11, 12, and 21 of current WQD regulations.
3. Basis for issuing permit: Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section 2.

Section 4 identifies variances granted for operating requirements of Chapter 21.

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

A variance to Chapter 21, Section 8(d) which states treated wastewater shall not enter Waters of the State is granted for Lake Minihaha, provided a WYPDES permit is obtained.

A variance to Chapter 21, Section 16 requiring annual reports to WQD is granted. The records are readily available for inspection by Southeast District personnel.

Reuse of treated wastewater is exempted from review by Chapter 3, Section 17.

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

NO

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 3, Wyoming Water Quality Rules and Regulations. This review was performed by Louis B. Harmon, Southeast District Engineering Supervisor, and completed on February 23, 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



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 18, 2006

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

RE: Fire Hydrant, 28th and Pioneer, Cheyenne, Application No.06-006, 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 described as installation of a new fire hydrant and a 4" diameter fire service line, NW 1/4 Section 31 T14N R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the 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 May 10, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-006 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

Gary Grigsby, Western Research and Development  
5908 Yellowstone Rd Suite B  
Cheyenne, WY 82009

L.H./j/6-0025

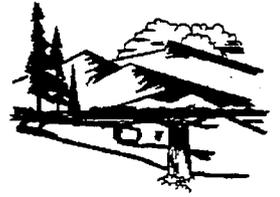
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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
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# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 12, 2006

Andrew Laakmann  
2789 Teton Pines Drive  
Wilson, WY 83014

RE: Laakmann's Sewer Line, Permit Number: 06-007, Section 14, T41N, R117W,  
Teton County

Dear Mr. Laakmann:

The above application for coverage under General Permit to install approximately 185 linear feet of 6-inch sewer line to carry domestic sewage from two residences, extension of an existing sewer collection, in accordance with Chapter 3, Section 7 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved.

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

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  
Greg Olson, Aspens & Aspens II Water & Sewer District, P.O. Box 25201, Jackson, WY 83001  
James Ramage, P.E., Valley West Engineering, P.O. Box 4852, Jackson, WY 83001

encl: General Permit for a 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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 30, 2006

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

RE: Cheyenne Monterey Heights Fire Hydrants, Application No.06-008, 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 described as two new fire hydrants for flushing of Monterey Heights pump zone, SW 1/4 Section 18 T14N R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-008 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

Jeff Pecenka, Cheyenne BOPU  
2406 Snyder Avenue  
Cheyenne, WY 82001

LBH/jc/6-008

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002 • <http://deg.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) 777-7368  
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

March 1, 2006

Mr. Jeff Carrier-Superintendent  
Crook County School District #1  
P.O. Box 830  
Sundance, WY 82729

RE: Hulett School Water & Sewer 06-009  
**PWS# WY5600026**

Dear Jeff:

The above application for coverage under General Permit to Construct, Install, Modify or Operate an extension to the Town of Hulett Wastewater Collection and Water Distribution system in accordance with Chapter 3 and Chapters 11 and 12 of the WWQRR has been reviewed and is hereby approved. You are now authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this permit shall be completed by January 1, 2007.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits. Following completion of construction of this facility please return the attached WDEQ Certificate of Completion and the completed Transfer of Ownership.

If you have any questions please contact me at [restes1@state.wy.us](mailto:restes1@state.wy.us), 1866 S. Sheridan Avenue, Sheridan, WY, 82801, or by phone (307) 673-9337.

Sincerely,

Rick J. Estes, P.E.  
WDEQ/WQD NE District Senior Environmental Analyst

cc: IPS, Cheyenne  
Jay R. Ligocki, PE, TSP, PO Box 1039, Sheridan, WY 82801  
Town of Hulett, Box 278, Hulett, WY 82720

Page 1 of 1

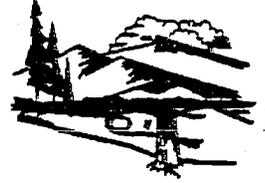
1866 SOUTH SHERIDAN AVENUE • SHERIDAN, WY 82801

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





# 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

June 2, 2006

Mr. Homer Scott Jr.  
Powder Horn LLC  
51 Powder Horn Road  
Sheridan, WY 82801

RE: Powder Horn Wastewater Liquid Chlorination, Permit # 06-010

Dear Homer:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a extension to the Powder Horn Wastewater Collection System in accordance with Chapter 3 and Chapter 11 of the WWQRR 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 permits. All construction, installation, or modification allowed by this permit shall be completed by June 1, 2007.

If you have any questions please contact Dennis Lamb, 152 N. Durbin St., Casper, WY 82601, 473-3452.

Sincerely,

Rick J. Estes, P.E.  
WDEQ/WQD NE District Senior Environmental Analyst

cc: IPS, Cheyenne  
Bill Mentock, Mentock -Willey Consultants, 1030 N. Main St., Sheridan, WY 82801  
Perry Rosenlund, Operations Manager, 51 Powderhorn Road, Sheridan, WY 82801



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

PERMIT NO. 06-011

Hape 14 Phase II

This permit hereby authorizes the applicant:

Pennaco Energy, Inc.  
Attn.: Mr. Greg Smith  
3601 Southern Drive  
Gillette, WY 82718

to have installed five compliance monitoring wells according to the procedures and conditions of the application number 06-011. The facilities are proximal to three on-channel and one off-channel coalbed methane produced water impoundments located in Township 56N, Range 83W, Sections 14 & 23, 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 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 monitoring wells Bone Phone MW-01, Ram MW-01 and MW-03, Schroder-Docekal MW-02, and Hazel MW-01.
- 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 **April 15, 2006**.

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

**Impoundment: Bone Phone**

Parameter	Ram MW-01 Background Value (mg/L) (11/22/04)	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	2900	≥ 2950	3000
Total Dissolved Solids (TDS)	4890	≥ 4850	5000
pH	7.03	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Ram**

Parameter	Ram MW-01 Background Value (mg/L) (11/22/04)	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	596	≥ 2400	3000
Total Dissolved Solids (TDS)	1330	≥ 4000	5000
pH	7.17	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Ram**

Parameter	Ram MW-03 Background Value (mg/L) (4/7/05)	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	510	≥ 2400	3000
Total Dissolved Solids (TDS)	1130	≥ 4000	5000
pH	7.05	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Schroder-Docekal ENL**

Parameter	Schroder-Docekal MW-01 Background Value (mg/L) (4/7/05)	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	738	≥ 2400	3000
Total Dissolved Solids (TDS)	1510	≥ 4000	5000
pH	7.12	≤ 6.5	6.5 – 8.5 (s.u)

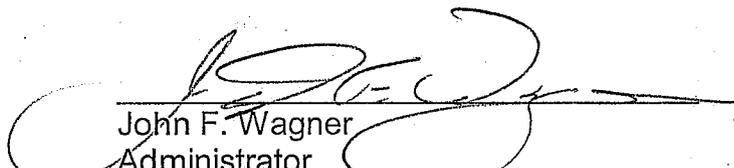
**Impoundment: Hazel**

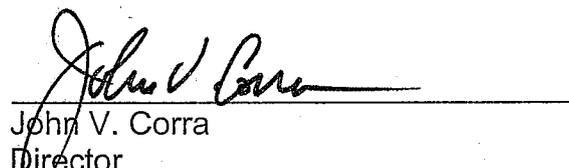
Parameter	Hazel MW-01 Background Value (mg/L) (7/27/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	943	≥ 2400	3000
Total Dissolved Solids (TDS)	1890	≥ 4000	5000
pH	6.79	≤ 6.5	6.5 – 8.5 (s.u)

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 included in an Excel spread sheet formatted to match the attached template (Attachment 1). 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). An electronic copy of the spreadsheet is available by contacting the Groundwater Program in the Sheridan DEQ office at 307-673-9337. The analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail.

AUTHORIZED BY:

  
 John F. Wagner  
 Administrator  
 Water Quality Division

  
 John V. Corra  
 Director  
 Department of Environmental Quality

2/7/06  
 Date of Issuance

TW/jc/6-0114



**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:** 06-011

**SITE (POD) NAME:** Hape 14, Phase II

**APPLICANT:** Pennaco Energy Inc.  
Attn.: Mr. Greg Smith  
3601 Southern Drive  
Gillette, WY 82718

**CONSULTANT:** CBM Associates, Inc.  
Attn: Mr. Tom Nissen, PG  
920 E. Sheridan St.  
Laramie, WY 82070

**LOCATION:** Drainage: Dutch Creek a tributary to the Prairie Dog Creek  
drainage a tributary to the Tongue River  
County: Sheridan  
Township 56 North; Range 83 West; Section 14 & 23

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

**REVIEWING OFFICIAL:** Terry Webster, North District Groundwater Sen. Analyst

**DATE OF THIS REVIEW:** January 27, 2006

**ACTION:** Compliance Monitoring Plan authorized for Hape 14 POD pursuant to conditions on permit # 06-011.

**COMMENTS: GROUNDWATER SECTION**

**1.0 SITE SUMMARY:**

**1.1 Site Description.**

Watershed Name: Dutch Creek a tributary to the Prairie Dog Creek  
Drainage a tributary to the Tongue River

Type of Impoundment(s)

1 "Off channel "  
3 "On channel"

Groundwater Classification:

Class 1 (domestic) \_\_\_\_\_  
Class 2 (irrigation) \_\_\_\_\_  
Class 3 (agricultural) 4

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).

Name of Impoundment covered under Permit 06-011

Impoundment Name	Type	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range
Bone Phone	On-Channel	4.3	NWNE	23	56	83
Hazel	On-Channel	5	SWSW	14	56	83
Ram	Off-Channel	12.7	SENW	14	56	83
Schroder & Docekal ENL	On-Channel	36.1	SWSE	14	56	83

**1.2 Hydrogeology & Review**

All seven of the wells drilled to investigate the hydrologic conditions beneath the impoundments requested for approval encountered Class III waters with low to high concentrations of TDS and sulfate. The monitoring well below the Bone Phone impoundment, MW-01 encountered Class III water located at 73 feet bgs in a sandstone unit. This water had a high TDS and sulfate concentration of 4890 mg/L and 2900 mg/L respectively.

Three monitoring wells were drilled below the off-channel Ram impoundment and encountered an unconfined aquifer system at an elevation of approximately 3900 feet. Two wells Ram MW-03 and MW-01 will be

monitored until the hydrologic gradient and flow path can be determined at which time the permittee may request the discontinuation of monitoring at one or the other of the wells.

Two wells were drilled below the Schroder-Docekal ENL existing impoundment. The first encountered shallow groundwater at approximately 5 feet bgs. It was determined that this water may represent leakage and mounding from the existing impoundment so a second well was drilled and encountered water at approximately 60 feet bgs. The static water level is 19 feet bgs and the water does not appear to be impacted by the existing impoundment.

The monitoring well below the Hazel impoundment appears to be in a slightly confined sandstone unit screened from 75 to 90 feet bgs. The static water level is at 66 feet bgs. The overlying units are predominately silts and sands.

## 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 monitoring wells Bone Phone MW-01, Ram MW-01 and MW-03, Schroder-Docekal MW-02, and Hazel MW-01.
- 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 **April 15, 2006**.
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

### Impoundment: Bone Phone

Parameter	Ram MW-01 Background Value (mg/L) (11/22/04)	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	2900	≥ 2950	3000
Total Dissolved Solids (TDS)	4890	≥ 4850	5000
pH	7.03	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Ram**

Parameter	Ram MW-01 Background Value (mg/L) (11/22/04)	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	596	≥ 2400	3000
Total Dissolved Solids (TDS)	1330	≥ 4000	5000
pH	7.17	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Ram**

Parameter	Ram MW-03 Background Value (mg/L) (4/7/05)	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	510	≥ 2400	3000
Total Dissolved Solids (TDS)	1130	≥ 4000	5000
pH	7.05	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Schroder-Docekal ENL**

Parameter	Schroder- Docekal MW-01 Background Value (mg/L) (4/7/05)	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	738	≥ 2400	3000
Total Dissolved Solids (TDS)	1510	≥ 4000	5000
pH	7.12	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Hazel**

Parameter	Hazel MW-01 Background Value (mg/L) (4/27/05)	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	943	≥ 2400	3000
Total Dissolved Solids (TDS)	1890	≥ 4000	5000
pH	6.79	≤ 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.

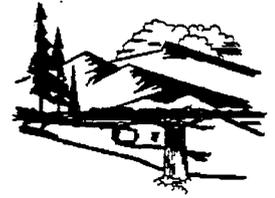
The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). 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**

TW/jc/6-0115



# 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

## AS-CONSTRUCTED FACILITY NOTIFICATION OF COVERAGE

January 31, 2006

Terry Tonn  
1211 Owl Creek Road  
Thermopolis, WY 82443

RE: Tonn Small Wastewater Treatment Facility, Permit Number: 06-012,  
Section 17, T43N, R96E, Hot Springs County

Dear Mr. Tonn:

The facility for the above application has been constructed. The application to construct a gravity flow septic tank and leachbed in accordance with Chapter 3, Section 7; and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed with the following determinations:

1. Protection of the groundwater should be achieved due to the five plus feet vertical separation between the bottom of the leachbed and seasonal high groundwater along with the adequate percolation rates of the native soil.
2. The leachbed which is size for a two bedroom home may be undersized at build-out which could lead to premature failure. The facility currently serves a one-bedroom apartment in the shop building and may also serve a two-bedroom house which is to be constructed in the future. The Wyoming Department of Environmental Quality (WDEQ) also feels that the percolation rate of the native soil may be slower than what was reported in the application.

This facility is authorized since WDEQ believes that the groundwater is adequately protected. However, premature failure could result due to more bedrooms served than designed and due to slower percolating soils than used in sizing the facility. If you have any questions, please contact the WDEQ at 307-332-3144.

Sincerely,

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

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

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

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

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

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

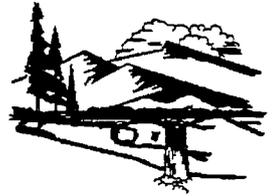
SOLID & HAZARDOUS WASTE  
(307) 332-6924  
FAX 332-7726

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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

February 2, 2006

Wm. Marty Kelson, Dean of Administration  
Western Wyoming Community College  
2500 College Drive  
Rock Springs, WY 82901

RE: New Classroom Re-routed Water & Sewer Lines, Permit Number: 06-013, Section 27, T19N, R105W, Sweetwater County

Dear Mr. Kelson:

The above application for coverage under General Permit to construct approximately 410 linear feet of 12-inch water line and about 300 linear feet of 4-inch sewer service line in accordance with Chapter 3, Section 7; Chapter 11, Section 9; 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 permit.

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

Sincerely,

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

xc: IPS, Cheyenne  
Bryan Seppie, Green River - Rock Springs - Sweetwater County Joint Powers Water Board, P.O.  
Box 1299, Green River, WY 82935  
Amy M. Allen, JFC Engineers and Surveyors, 1515 9<sup>th</sup> St. Suite A, Rock Springs, WY 82901

encl: General Permits For a Public Water Distribution System & 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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 06-014

Emergency Power Generator for CWC Water Tower Transfer Pump System

This permit hereby authorizes the applicant:

William A. Urbigkit, Public Works Director  
City of Riverton  
816 N. Federal Boulevard  
Riverton, WY 82501

to install a new emergency power generator at Well #14; according to the procedures and conditions of the application number 06-014. The facility is located within Section 29, Township 1 North and Range 4 East in the county of Fremont, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by January 20, 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.

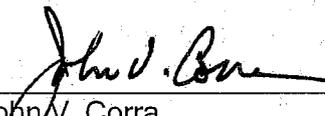
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

1/23/06  
\_\_\_\_\_  
Date of Issuance  
JSB/jsb/jc/6-0046

## STATEMENT OF BASIS

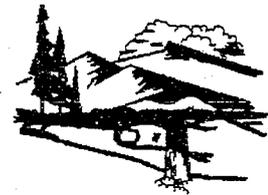
1. Permit Number: 06-014
2. Application reviewed for compliance with the following regulations:  
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?  
Yes
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.  
NA
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.  
NA
6. Documentation of Statement of Basis: The 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 January 20, 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

January 23, 2006

Karl D. & Kathy G. Bogle  
908 Pinon Ct.  
Longmont, Colorado 80501

RE: Bogle Residential Septic System,  
Location: NE ¼, Section 10, T19N, R81W,

Application No. **06-015**  
Carbon County

Dear Mr. & Mrs. Bogle:

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

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on January 23, 2008. Please reference Application Number **06-015** 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/bb/6-0051.NOC

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

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





The State  
of Wyoming

## Department of Environmental Quality

Dave Freudenthal, Governor

3030 Energy Lane • Suite 200 • Casper, Wyoming 82604



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

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

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

ABANDONED MINES  
(307) 473-3460  
Fax: (307) 473-3458

### NOTIFICATION OF COVERAGE

June 23, 2006

Mr. Gerry Zimny, Chairman  
Bridger Valley Joint Powers Board  
PO Box 615  
Mountain View, WY 82939

RE: Big Hill Transmission Line, Application No. 06-016

Dear Mr. Zimney:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Public Water Supply Distribution Systems in accordance with Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general 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 307-473-3471.

Sincerely,

*Kevin J. Frank*

Kevin J. Frank, PE  
Senior Analyst  
Water Quality Division

cc: IPS, Cheyenne  
SW District Office, Lander



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 30, 2006

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

RE: Cheyenne Lakeview Area PRV's, Application No.06-017, 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 described as installation of 4 packaged pressure reducing valve stations, NW 1/4 Section 20 T14N R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All 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, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-017 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

Jeff Pecenka, Cheyenne BOPU  
2406 Snyder Avenue  
Cheyenne, WY 82001

LBH/jc/6-0079

Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002 • <http://deg.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

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(307) 777-7368  
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. 06-018

Echeta Project, Plan of Development (POD)

This permit hereby authorizes the applicant:

Edwards Exploration Corp. LLC  
3131 Turtle Creek Blv, Suite 1100  
Dallas, TX 75219

to have installed one compliance monitoring well according to the procedures and conditions of the application number 06-018. The facility is proximal to the on channel coal bed methane produced water impoundment located in Township 53N, Range 75W, Section 3 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 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 monitoring well MW 11-3-5375.
- 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 April 15, 2006.

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

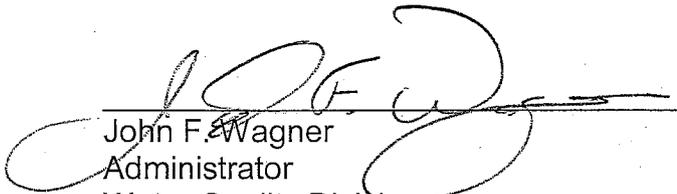
**Impoundment 11-3-5375**

Parameter	MW 11-3-5375 Background Value (mg/L) (12/02/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.003	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	2070	≥ 2400	3000
Total Dissolved Solids (TDS)	3830	≥ 4200	5000
pH	7.6	≤ 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.

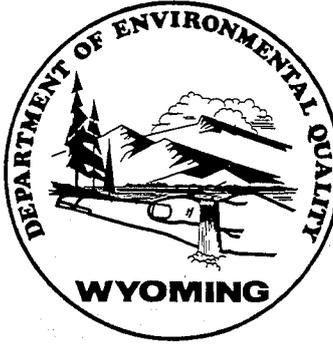
AUTHORIZED BY:

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

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

1/23/06  
\_\_\_\_\_  
Date of Issuance

TW/jc/6-0040



**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:** 06-018

**SITE (POD) NAME:** Echeta Project, POD

**APPLICANT:** Edwards Exploration Corp. LLC  
Attn: Spencer Edwards  
3131 Turtle Creek Blv. Suite 1100  
Dallas, TX 75219

**CONSULTANT:** Western Land Services  
Attn: Mr. Allen D. Jones  
54 W. Seymour Street  
Sheridan, WY 82801

**LOCATION:** Drainage: Cyndee Draw tributary to Middle Prong Wild Horse  
Creek, tributary to the Powder River.  
County: Campbell  
T53N, R75W; Sec 3

**DATE ON REPORT:** January 11, 2006

**REVIEWING OFFICIAL:** Terry Webster, North District Groundwater Sen. Analyst

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

**ACTION:** Compliance Monitoring Plan authorized for the Echeta Project, POD pursuant to  
conditions on permit # 06-018

**COMMENTS: GROUNDWATER SECTION**

**1.0 SITE SUMMARY:**

**1.1 Site Description.**

Watershed Name: Cyndee Draw tributary to Middle Prong Wild Horse Creek, tributary to the Powder River.

Type of Impoundment(s)

"Off channel "  
Pre-existing "On channel"

Groundwater Classification:

Class 1 (domestic) \_\_\_\_\_  
Class 2 (irrigation) \_\_\_\_\_  
Class 3 (agricultural) One

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

**1.2 Hydrogeology and Review:**

Groundwater occurs in monitoring well MW 11-3-5375, in a water bearing gravel, at a depth of approximately 25 feet below ground surface (bgs). The well is located approximately 50 feet below and downgradient of impoundment 11-3-5375. The well was drilled to a total of 150 feet and screened in the water bearing zone from 30 to 90 feet. The aquifer appears to be unconfined.

The surficial geology evaluation is based on the Surficial Geologic Map of the Recluse 30' x 60' Quadrangle and is described as Terrace Alluvium (Holocene). No additional monitoring wells were required.

The total dissolved solids (TDS) concentration in the base line sample was 3810 mg/L. The standard trigger value of 4000 mg/L has been raised in the permit to  $\geq 4200$  mg/L to account for potential natural variance in the TDS concentration.

Name of Impoundment covered under Permit 06-018

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range
11-3-5375	17.5	NWNW	3	53N	75W

## 2.0 MONITORING AND REPORTING REQUIREMENTS

Groundwater monitoring at the impoundment 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 11-3-5375.
- Reporting results of quarterly monitoring and sampling in 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 11-3-5375**

Parameter	MW 11-3-5375 Background Value (mg/L) (12/02/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.003	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	2070	≥ 2400	3000
Total Dissolved Solids (TDS)	3830	≥ 4200	5000
pH	7.6	≤ 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**

TW/jc/6-0041

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

PERMIT NO. 06-020

Big Cat 24-1

This permit hereby authorizes the applicant:

Kennedy Oil  
Attn: Tami Henry  
700 West Sixth Street  
Gillette, Wyoming 82716

to have installed one compliance monitoring well according to the procedures and conditions of the application number 06-020. The facilities are proximal to the on channel coalbed methane produced water impoundment located in Township 48N, Range 79W, Section 24, in the county of Johnson, 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 the impoundment covered under this permit commences.

3 of 3: Monitoring Requirements:

Groundwater monitoring at the impoundment 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 well Big Cat 24-1.
- 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 **April 15, 2006**.

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

**Impoundment Big Cat 24-1**

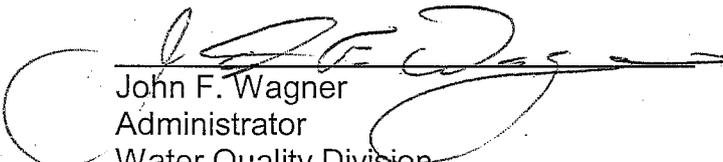
Parameter	MW Big Cat 24-1 Background Value (mg/L) (5/18/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	475	≥ 2400	3000
Total	1480	≥ 4000	5000

Dissolved Solids (TDS)			
pH	8.1	≤ 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.

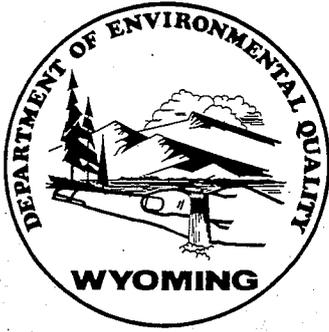
AUTHORIZED BY:

  
 John F. Wagner  
 Administrator  
 Water Quality Division

  
 John V. Corra  
 Director  
 Department of Environmental Quality

2/17/06  
 Date of Issuance

TW/jc/6-0151



**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:** 06-020

**SITE (POD) NAME:** Big Cat 24-1, Johnson County, WY

**APPLICANT:** Kennedy Oil  
Attn: Tami Henry  
700 West Sixth Street  
Gillette, Wyoming 82716

**CONSULTANT:** Goolsby, Finley & Associates  
Attn: Mr. Andy Finley, PG  
159 North Wolcott STE 125  
Casper, WY 82601

**LOCATION:** Drainage: Cat Creek a southeast trending tributary of Four  
Mile Creek a east trending tributary of the Powder River  
County: Johnson  
Township 48 North; Range 79 West; Section 24

**DATE ON REPORT:** January 13, 2006

**REVIEWING OFFICIAL:** Terry Webster, North District Groundwater Sen. Analyst

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

**ACTION:** Compliance Monitoring Plan authorized for Big Cat 24-1 pursuant to  
conditions on permit # 06-020

**COMMENTS: GROUNDWATER SECTION**

**1.0 SITE SUMMARY:**

**1.1 Site Description**

Watershed Name: Cat Creek a southeast trending tributary of Four Mile Creek an east trending tributary of the Powder River

Type of Impoundment(s)

\_\_\_\_\_ "Off channel "  
One "On channel"

Groundwater Classification:

Class 1 (domestic) \_\_\_\_\_  
Class 2 (irrigation) \_\_\_\_\_  
Class 3 (agricultural) one

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

Name of Impoundment covered under Permit 06-020

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range
Big Cat 24-1	8.13	NENW	24	48 N	79 W

**1.2 Hydrogeology & Review**

Class III groundwater was encountered in monitoring well Big Cat 24-1, located on the northwest side of the Big Cat 24-1 impoundment, at a depth of 99 feet. The well was screened from 99 to 113 feet in a sand formation. Two other monitoring wells Big Cat 24-1A and 1B were drilled approximately 500 feet from 24-1 to the northeast of the impoundment to depths of 59 and 129 feet respectively. Groundwater encountered in these wells was classified as class IV. All the wells were screened in a similar sand unit located at an elevation of 4381 in Big Cat 24-1A and 1B and at 4372 in 24-1. Static water elevations (swl) in Big Cat 24-1A and 1B were 4384 and 4386 respectively and in 24-1 the swl was 4372. The TDS and sulfate concentrations in Big Cat 24-1 were 1480 mg/L and 475 mg/L respectively much lower than the other two wells. It is possible that all three wells are in the same aquifer and that the upgradient class IV groundwater may impact the downgradient monitoring well Big Cat 24-1.

No further monitoring wells will be required at the site and monitoring wells Big Cat 24-1A and 1 B may be plugged and abandoned.

## 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 well Big Cat 24-1.
- 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 April 15, 2006.
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundment:

**Impoundment Big Cat 24-1**

Parameter	MW Big Cat 24-1 Background Value (mg/L) (5/18/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	475	≥ 2400	3000
Total Dissolved Solids (TDS)	1480	≥ 4000	5000
pH	8.1	≤ 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**

TW/jc/6-0152

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 06-021

16<sup>th</sup> Street Sanitary Sewer Rehabilitation Project

This permit hereby authorizes the applicant:

Roger Sedam, Mayor  
City of Cody  
P.O. Box 2200  
Cody, WY 82414

to install approximately 1,974 linear feet of 12-inch cured-in-place PVC sewer liner along 16<sup>th</sup> Street from Sheridan Avenue to Belfry Highway; according to the procedures and conditions of the application number 06-021. The facility is located within Section 32, Township 53 North and Range 101 West in the county of Teton, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by January 23, 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.

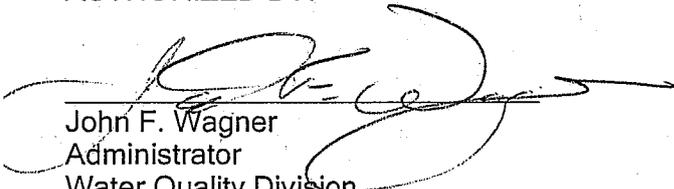
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

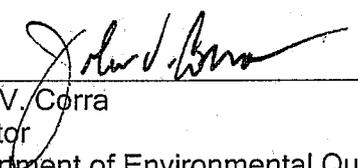
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

1/26/06  
Date of Issuance

JSB/jsb/bb/6-0056.PER

## STATEMENT OF BASIS

1. Permit Number: 06-021
2. Application reviewed for compliance with the following regulations:  
Chapters 3, and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?  
Yes.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.  
Yes, sewer relining is not directly covered by Water Quality's regulations
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 archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, [jbroug@state.wy.us](mailto:jbroug@state.wy.us), Environmental Engineer and completed on January 23, 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."

JSB/bb/6-0056.SB



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 23, 2006

Mr. David Coffey, Member  
C. B. Properties  
P.O. Box 1691  
Laramie, WY 82073

RE: Wyoming-Person Addition Water and Sewer Extensions, Application No. 06-022, Albany County

Dear Mr. Coffey:

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 250 ft of 8" diameter sewer line and 12 each 4" diameter water connections, NW 1/4 Section 3 Te15N 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 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 May 10, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-022 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

LBH/bb/6-0053.NOC

Enclosures

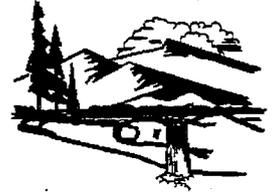
cc: IPS, Cheyenne

David Coffey, Coffey Engineering and Surveying, LLC  
903 East Grand Avenue  
Laramie WY 82070





# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

March 7, 2006

Mr. Jim Smith  
WKF Corporation  
2028 Hillcrest Drive  
Rock Springs, WY 82901

RE: **Oregon Trails, Phase 9 & 10, Permit No. 06-023**; NW1/4 Section 28, T19N, R105W,  
Sweetwater County

Dear Mr. Smith:

The above application for coverage under the General Permits to Construct, Install, Modify or Operate Extensions to Existing Sewage Collection Systems and Existing Public Water Supply Distribution Systems in accordance with Chapter 3, Section 7, Chapter 11 and Chapter 12 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved.

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

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

Sincerely,

Doyle H. Conklin, P.E.  
SW District Engineering Supervisor  
Water Quality Division

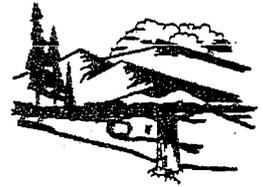
cc: IPS, Cheyenne

encl: General Permit for Extensions to Existing Sewage Collection Systems  
General Permit for Extensions to Existing Public Water Distribution Systems





# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

March 6, 2006

Scott Bliss  
DSB Investments  
P.O. Box 7335  
Sheridan, WY 82801

RE: Indian Paintbrush Watermain 06-025  
**PWS# 5600052**

Dear Scott:

The above application for coverage under General Permit to Construct, Install, Modify or Operate an extension to the Sheridan Area Water Supply Distribution system in accordance with Chapter 3 and Chapter 12 of the WWQRR has been reviewed and is hereby approved. You are now authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this permit shall be completed by March 1, 2007.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits. Following completion of construction of this facility please return the attached WDEQ Certificate of Completion and the completed Transfer of Ownership.

If you have any questions please contact me at 1866 S. Sheridan Avenue, Sheridan, WY, 82801, (307) 673-9337.

Sincerely,

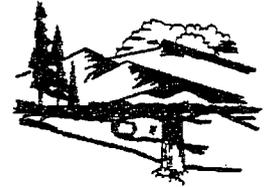
Rick J. Estes, P.E.  
WDEQ/WQD NE District Senior Environmental Analyst

cc: IPS, Cheyenne  
Megan Crow, PE, MC2 Engineering, 1101 Sugarview Dr, Ste. 201, Sheridan, WY 82801  
Jay Stender, SAWS-JPB Administrator  
Mike Cole, PE, Assistant Public Works Director-Utilities, City of Sheridan





# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

February 13, 2006

Gary Garland  
President-Hot Iron Incorporated  
PO Box 1067  
Gillette, WY 82717

RE: Hot Iron Shop Septic, Permit # 06-026

Dear Gary:

The above application for coverage under General Permit to Construct, Install, Modify or Operate extensions to or modifications of a commercial small wastewater septic system in accordance with Chapter 3 and Chapter 11, Part B, 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 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. **A minimum of two (2) photos of the system installation, gravel and pipe or set infiltrators shall accompany the Certificate of Completion submitted to this office.** All construction, installation, or modification allowed by this permit shall be completed by June 1, 2006.

Typically, Campbell County Planning Department performs the final inspection for this installation. Please contact that office for this inspection. If you have any questions please contact me at 1866 S. Sheridan Avenue 673-9337, 673-2213 (fax).

Sincerely,

Rick J. Estes, P.E.  
WDEQ/WQ NE District Senior Environmental Analyst

cc: IPS, Cheyenne  
Curtis Betcher, P.E., 1333 Moonshiner Lane, Gillette, WY 82718  
Keith Bowar, Campbell County, 500 S. Gillette Ave, Suite 1500, Gillette, WY 82716





# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 26, 2006

Michael F. Gard  
Gard Enterprises  
202 S. 2<sup>nd</sup> East  
Riverton, WY 82501

RE: Rein Park Sewer & Water Lines, Permit Number: 06-027, Section 33, T1N, R4E, Fremont County

Dear Mr. Gard:

The above application for coverage under General Permit to install approximately 1,621 linear feet of 8-inch sewer line, extension of an existing sewage collection system, and 1,602 linear feet of 8-inch water, extension of a public water supply distribution system, in accordance with Chapter 3, Section 7; Chapter 11, Section 9; 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 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  
Terry Zenk, P.E., Apex Engineering, Inc., P.O. Box 1751, Riverton, WY 82501  
Bill Urbigkit, City of Riverton, 816 North Federal Blvd., Riverton, WY 82501

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

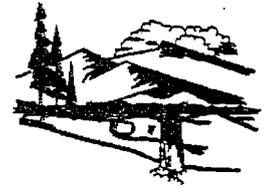
SOLID & HAZARDOUS WASTE  
(307) 332-6924  
FAX 332-7726

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





# Department of Environmental Quality



Dave Freudenthal, Governor

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John Corra, Director

## NOTIFICATION OF COVERAGE

March 15, 2006

William G. Pollock  
Bear Lodge Hills  
P.O. Box 302  
Sundance, WY 82729

RE: Pollock Family Septic System, Permit # 06-028

Dear William:

The above application for coverage under General Permit to Construct, Install, Modify or Operate extensions to or modifications of a small wastewater (septic) system in accordance with Chapter 3 and Chapter 11, Part B, 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 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. **A minimum of two (2) photos of the system installation, gravel and pipe or set infiltrators shall accompany the Certificate of Completion submitted to this office.** All construction, installation, or modification allowed by this permit shall be completed by April 1, 2007.

*On August 4, 2004, the Crook County Commissioners enacted Resolution NO. 9-2004. This resolution requires that ALL small wastewater treatment facilities permitted by the Wyoming Department of Environmental Quality (WDEQ) and installed in Crook County after September 1, 2004, MUST BE INSPECTED BY AN INSPECTOR DESIGNATED BY CROOK COUNTY.*

Please contact the Crook County Clerks Office for requirements of this resolution.

If you have any questions please contact me at; 1866 S. Sheridan Avenue 673-9337, 673-2213 (fax).

Sincerely,

Rick J. Estes, P.E.  
WDEQ/WQ NE District Senior Environmental Analyst

cc: WPS, Cheyenne  
Crook County Clerk, P.O. Box 37, Sundance, WY 82729  
Gerald McInerney, Box 124, Sundance, WY 82729

Page 1 of 1

1866 SOUTH SHERIDAN AVENUE • SHERIDAN, WY 82801

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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

March 3, 2006

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

RE: City of Laramie WW Collection Improvements, Application No.06-029,Albany County

Dear Mr. Haugen:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Sewage Collection Systems described as replacement of 1130 ft of 8" sewer main with 18" diameter sewer main, SE 1/4 Section 34 T16N 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 sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. As a condition for allowing the variance of the 18" line discharging into the 12" diameter line, the manhole where the decrease in diameter occurs shall be monitored semi-annually during the peak flow period. If surcharging begins to occur at the manhole, immediate replacement of 12" reach shall be scheduled and permitted. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-029 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

LBH/jc/6-0189

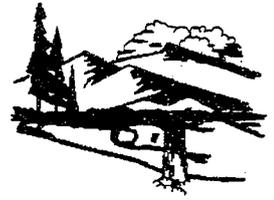
Herschler Building • 122 West 25th Street • Cheyenne, Wyoming 82002 • <http://deg.state.wy.us>

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) 777-7368 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
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# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

April 3, 2006

Country Club, LLC  
Attn: Bill Edwards, Manager/Member  
506 Shoshoni, Street  
Cheyenne, Wyoming 82009

RE: Grand View Heights – Phase I: Water & Sewer Lines, Application No. **06-030**

Dear Mr. Edwards:

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. All water service connections will be protected by the appropriate backflow device as required by Chapter 12, Section 14(i) of the Water Quality Division Rules and Regulations. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

The approval granted under this Notification Of Coverage and the General Permit shall expire on April 3, 2008. Please reference Application Number **06-030** in any future correspondence.

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



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

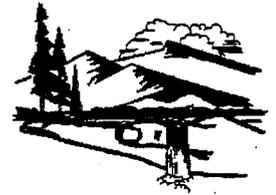
RLE/jc/6-0275

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  
Jim I. Cavalli, Aspen-Banner Engineering, 1575 N. 4<sup>th</sup> St., Suite 105, Laramie,  
Wyoming 82072



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

March 15, 2006

Mr. Mike Nelson  
City of Rock Springs  
50 East 2<sup>nd</sup> South  
Green River, WY 82935

RE: **West End Improvement Project, Permit No. 06-031R**; NW1/4 and SW1/4 Section 15, T18N, R107W, Sweetwater County

Dear Mr. Nelson:

The above application for coverage under the General Permits to Construct, Install, Modify or Operate Extensions to Existing Sewage Collection Systems and Existing Public Water Supply Distribution Systems in accordance with Chapter 3, Section 7, Chapter 11 and Chapter 12 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved.

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

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

Sincerely,

Doyle H. Conklin, P.E.  
SW District Engineering Supervisor  
Water Quality Division

cc: ✓IPS, Cheyenne  
Bryan Seppie, P.E.; Joint Powers Water Board; P.O. Box 1299; Green River, WY 82935

encl: General Permit for Extensions to Existing Sewage Collection Systems  
General Permit for Extensions to Existing Public Water Distribution Systems





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

February 23, 2006

John S. Gallis  
Norseman Designs  
3532 Cottonwood  
Cody, WY 82414

RE: Kinder Subdivision 4-inch Treated Water Line Extension, Permit Number: 06-032, Section 34, T53N, R101W, Park County, PWS #WY5600207C

Dear Mr. Gallis:

The above application for coverage under General Permit to construct 67 linear feet of 4-inch PVC pipe for fire sprinkler supply has been reviewed in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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

Sincerely,

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

cc: Roy Holm, P.E., Holm Blough and Company, 1402 Stampede Ave., Cody, WY 82414  
Steve Payne, P.E., City of Cody, P.O. 2200, Cody, WY 82414  
✓IPS, Cheyenne

encl: General Permit For a Public Water Supply Distribution System

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

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

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

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

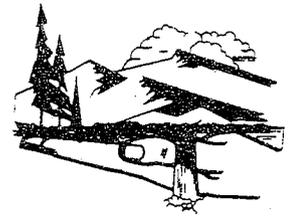
SOLID & HAZARDOUS WASTE  
(307) 332-6924  
FAX 332-7726

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





# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

September 14, 2006

Mr. Leslie Creamer, Owner  
LT Construction  
851 Highway 230  
Laramie, WY 82070

RE: El Dorado Estates Water Line, Application No.06-033,Albany County

Dear Mr. Creamer:

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 inch diameter PVC water line to serve a subdivision in the 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 15 September 2010.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-033 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

James Johnson, Johnson Engineering Assoc.,110 Superior Court, Laramie WY 82072

Foster White, South of Laramie WSD, 2461 County Shop Road, Laramie WY 82070

LBH/rm/6-0853

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

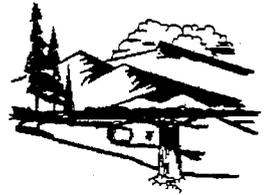
SOLID & HAZ. WASTE  
(307) 777-7752  
FAX 777-5973

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

# ARCHIVES

January 30, 2006

Michael L. Becker, Manager  
Yellowstone Regional Airport  
P.O. Box 2748  
Cody, WY 82414

RE: Yellowstone Regional Airport Business Park Hanger's Water and Sewer Mains,  
Permit Number: 06-034, T53N, R101W, Park County

Dear Mr. Becker:

The above application for coverage under General Permit has been reviewed to construct water and sewer line extensions that will serve an executive hanger site consisting of five lots 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. This general permit was sent with Wyoming DEQ permit no. 05-357. Your application states that the utilities under this application will be a change order to permit no. 05-357.

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

Sincerely,

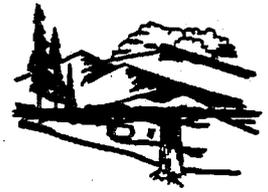
James Brough, P.E.  
Environmental Engineer  
Water Quality Division

xc: IPS, Cheyenne  
Tim Wick, P.E., Morrison Maierle, Inc., 2020 Grand Ave., Billings, MT 59102  
Stephen W. Payne, P.E., City of Cody's Public Works Director, P.O. Box 2200, Cody, WY 82414





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

June 10, 2008

Lance Oil and Gas Company, Inc.  
Anadarko Petroleum Company  
Attn: Timothy S. Kalus  
1400 East Lincoln Street  
Gillette, WY 8271

Re: Termination of Compliance Monitoring Chapter 3 Permit to Construct 06-035  
WYPDES Permit Number: WY0052931

Dear Mr. Kalus,

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 Groundwater Compliance Monitoring plan referenced in Permit 06-035. Reservoirs included in the permit are as follows: Medicine Wheel, Peace Pipe (aka Piece Pipe) and Sun Dog.

WYPDES permit WY0052931 was modified on 10/2/2007 (effective 1/1/08), removing groundwater authorization requirements for all impoundments included in the subject permit.

A review of the groundwater monitoring data indicates groundwater beneath the impoundments does not exceed class of use standards and therefore, groundwater monitoring can be terminated.

The monitoring wells shall be plugged and abandoned pursuant to Wyoming Water Quality Rules and Regulations, Chapter 11, Part G, Section 70 within 60 days of receipt of this letter. The abandonment records shall be submitted to the WQD within 15 days after abandonment.

If you have any questions regarding this letter, please contact me or other Groundwater Program staff in the Sheridan office at 307-673-9337 or via email at [cbmgroundwater.state.wy.us](mailto:cbmgroundwater.state.wy.us).

Sincerely,

Don Fischer  
North District Geologic Supervisor  
Groundwater Program

CC: Kevin Frederick, State Groundwater Program Supervisor, Cheyenne  
Jason Thomas, WYPDES Program, Cheyenne  
Kevin Anders, CBMA, Gillette Office  
Barb Barnes, Archive file, Cheyenne

1866 SOUTH SHERIDAN AVENUE • SHERIDAN, WY 82801

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





Petroleum Corporation

1099 18<sup>th</sup> STREET, SUITE 1200, DENVER, COLORADO 80202  
(720) 929-6363

April 30, 2008

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



**RE: Lance Oil & Gas Company, Inc, an Anadarko Petroleum Company/06-035:  
Antelope II CBM Development Area  
Ground Water Compliance Monitoring  
Permit Cancellation**

Dear Mr. Fischer:

Lance Oil & Gas Company, Inc, an Anadarko Petroleum Company (Lance), would like to request that the Ground Water Compliance Monitoring for Lance's Antelope II area be cancelled. The reservoirs are in the Cheyenne River drainage area.

Reservoirs that were on the Wyoming Pollution Discharge Elimination Permit (WYPDES) permit WY0052931, Antelope II Federal, had originally been identified as needing Ground Water Monitoring Investigations. The major modification, effective 10/29/2006, was the last permit to identify ground water monitoring requirements for seven reservoirs. In the permit renewal, signed 10/2/2007, effective on 1/1/2008, the reservoirs were removed from the WYPDES permit and ground water monitoring was no longer required.

The reservoirs are not part of the water management strategy for WYPDES permit WY0052931. The Wyoming Department of Environmental Quality - Water Quality Division (WDEQ-WQD) document in Part III, Section 3.03, a, iii, of "*Compliance Monitoring and Siting Requirements for Unlined Impoundments Containing Coalbed Methane Produced Water*" states that subsurface investigation will not be required for reservoirs that are not part of a water management strategy under a WYPDES permit. Since WDEQ-WQD has determined that reservoirs in the Belle Fourche and Cheyenne River drainages are "incidental" and not part of any water management strategies, it follows that the ground water monitoring should no longer be required.

Three reservoirs were listed with permit 06-035: Medicine Wheel, Peace Pipe (aka Piece Pipe), and Sun Dog. Two reservoirs were listed as exempt: Wapiti and Jewell. None of these reservoirs are part of the water management strategy for this WYPDES permit. Lance requests the cancellation of permit 06-035 and the cancellation of any ground water monitoring requirements for any other reservoirs that were on the WY0052931 WYPDES permit including Robinson No. 4 and Sioux Ranch 24-11.

Lance appreciates your attention to this matter. If you have any questions or need additional information, please feel free to contact Kevin Anders of CBM Associates at 307-685-3865, or email at [kanders@cbmainc.com](mailto:kanders@cbmainc.com). Direct all correspondence to:

Lance Oil & Gas Company, Inc.  
an Anadarko Petroleum Company  
Attention: Timothy S. Kalus  
1400 E. Lincoln St.  
Gillette, WY 82716

Sincerely,

Timothy S. Kalus  
Environmental & Regulatory Supervisor  
Lance Oil & Gas Company, Inc.  
an Anadarko Petroleum Company

/ka

cc: CBM Associates, Inc. – Gillette - Laramie

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

PERMIT NO. 06-035

Antelope II Federal POD: Multiple Reservoirs

This permit hereby authorizes the applicant:

Lance Oil and Gas Company, Inc  
Attn: Tim Kalus  
1400 East Lincoln  
Gillette, Wyoming 82716

to have installed four compliance monitoring wells according to the procedures and conditions of the application number 06-035. The facilities are proximal to the on channel coalbed methane produced water impoundments located in Township 41N, Range 71W, Sections 20, 21, & 29 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 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: 24-21-QAL, 42-29-QAL, 24-21-BR, & 24-20-BR.
- 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 **April 15, 2006**.

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

**Impoundment: Medicine Wheel**

Parameter	24-21-QAL Background Value (mg/L) (4/13/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1040	≥ 2400	3000
Total	2050	≥ 4000	5000

Dissolved Solids (TDS)			
pH	7.7	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Peace Pipe**

Parameter	42-29-QAL Background Value (mg/L) (4/13/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	550	≥ 2400	3000
Total Dissolved Solids (TDS)	1070	≥ 4000	5000
pH	7.8	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Peace Pipe**

Parameter	24-21-BR Background Value (mg/L) (4/13/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1040	≥ 2400	3000
Total Dissolved Solids (TDS)	2050	≥ 4000	5000
pH	7.7	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Sun Dog**

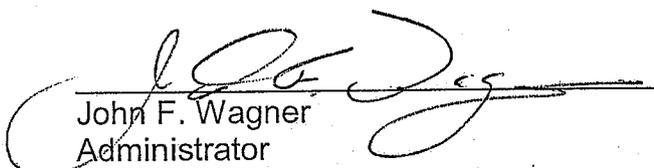
Parameter	24-20-BR Background Value (mg/L) (4/13/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	0.037	≥ 0.04	0.05
Sulfate	600	≥ 2400	3000
Total Dissolved Solids (TDS)	1100	≥ 4000	5000
pH	7.9	≤ 6.5	6.5 – 8.5 (s.u)

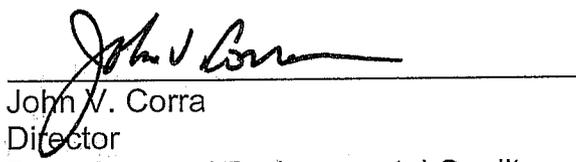
Trigger values, specific to the groundwater samples at each impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with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

1/27/06  
Date of Issuance  
TW/jc/6-0069



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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1866 South Sheridan Avenue  
Sheridan, WY 82801  
Phone: 307-673-9337

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

**WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER:** 06-035

**SITE (POD) NAME:** Antelope II Federal POD

**APPLICANT:** Lance Oil and Gas Company, Inc.  
Attn: Tim Kalus  
1400 East Lincoln  
Gillette, Wyoming 82716

**CONSULTANT:** Western Land Services  
Att Allen D. Jones  
54 W. Seymour Street  
Sheridan, Wyoming 82801

**LOCATION:** Drainage: Antelope Creek  
County: Campbell  
Township 41 North; Range 71 West; Sections 20, 21, & 29

**DATE ON REPORT:** November 29, 2005

**REVIEWING OFFICIAL:** Terry Webster, North District Groundwater Sr. Analyst

**DATE OF THIS REVIEW:** December 15, 2005 & January 26, 2006

**ACTION:** Compliance Monitoring Plan authorized for Antelope II POD pursuant to conditions on permit # 06-035

**COMMENTS: GROUNDWATER SECTION**

**1.0 SITE SUMMARY:**

**1.1 Site Description.**

Watershed Name: Antelope Creek an east trending tributary the Cheyenne River

Type of Impoundment(s)

\_\_\_\_\_ "Off channel "  
3 "On channel"

Groundwater Classification:

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

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

Name of Impoundments covered under Permit 06-035

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range
Medicine Wheel	6.07	SESW	21	41 N	71 W
Peace Pipe	11.14	SENE	29	41 N	71 W
Sun Dog	15.51	NESW	20	41 N	71 W

**1.2 Hydrogeology:**

At the Medicine Wheel impoundment groundwater was encountered in the shallow alluvium at a depth of 5 feet below ground surface (bgs). The well was completed to a depth of 15.5 feet bgs. Static water level is approximately 2 feet bgs. A second boring was cased past the shallow alluvial groundwater and drilled to a depth of 150 feet. No groundwater was encountered in this boring.

Below the Peace Pipe impoundment two monitoring wells were installed; one in the shallow alluvium to a depth of 24 feet and the second in a semi-confined bedrock aquifer at a depth of 38 feet. The two water bearing zones are separated by a 1 foot coal layer. The coal layer is believed to be a leaky

confining layer as the static water levels in both wells are at approximately 4,687 feet.

The monitoring well below the Sun Dog impoundment encountered an unconfined aquifer between 76 and 91 feet bgs.

**2.0 REVIEW OF MOST RECENT SUBMITTAL:**

No additional drilling will be required at the three impoundment sites.

**3.0 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.
- 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 April 15, 2006.
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

**Impoundment: Medicine Wheel**

Parameter	24-21-QAL Background Value (mg/L) (4/13/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1040	≥ 2400	3000
Total Dissolved Solids (TDS)	2050	≥ 4000	5000
pH	7.7	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Peace Pipe**

Parameter	42-29-QAL Background Value (mg/L) (4/13/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	550	≥ 2400	3000
Total Dissolved Solids (TDS)	1070	≥ 4000	5000
pH	7.8	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Peace Pipe**

Parameter	24-21-BR Background Value (mg/L) (4/13/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1040	≥ 2400	3000
Total Dissolved Solids (TDS)	2050	≥ 4000	5000
pH	7.7	≤ 6.5	6.5 – 8.5 (s.u)

**Impoundment: Sun Dog**

Parameter	24-20-BR Background Value (mg/L) (4/13/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	0.037	≥ 0.04	0.05
Sulfate	600	≥ 2400	3000
Total Dissolved Solids (TDS)	1100	≥ 4000	5000
pH	7.9	≤ 6.5	6.5 – 8.5 (s.u)

Trigger values, specific to the groundwater samples at these impoundments, 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**

TW/jc/6-0070



Dave Freudenthal, Governor

# Department of Environmental Quality

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



John Corra, Director

## NOTIFICATION OF COVERAGE

March 14, 2006

Stephen L. Grimshaw  
Grimshaw Investments  
39 E. 1<sup>st</sup> St.  
Sheridan, WY 82801

RE: Blue Sky Estates (Water & Sewer) 06-036  
**PWS# 5600052**

Dear Steve:

The above application for coverage under General Permit to Construct, Install, Modify or Operate an extension to the City of Sheridan Wastewater Collection and Water Distribution system in accordance with Chapter 3 and Chapters 11 and 12 of the WWQRR has been reviewed and is hereby approved. You are now authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this permit shall be completed by March 1, 2007.

**Petroleum contaminated soils were identified in the Geotechnical Report for this project at shallow subsurface depths. The report did not investigate the subsurface at a depth of the water and sewer main and therefore the limits of the contamination are not known. It is important that any contamination be identified during construction. If contamination is found during installation of the water and sewer facilities construction must stop and the owner shall contact WDEQ and City of Sheridan Public Works Department for inspection. PVC pipeline products are not allowed in environments contaminated by hydrocarbons. An alternative piping material must be used if contaminants are found during construction.**

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits. Following completion of construction of this facility please return the attached WDEQ Certificate of Completion and the completed Transfer of Ownership.

Page 1 of 2

1866 SOUTH SHERIDAN AVENUE • SHERIDAN, WY 82801

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



If you have any questions please contact me at [restes1@state.wy.us](mailto:restes1@state.wy.us), 1866 S. Sheridan Avenue, Sheridan, WY, 82801, or by phone (307) 673-9337.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick J. Estes". The signature is fluid and cursive, with a large initial "R" and "E".

Rick J. Estes, P.E.  
WDEQ/WQD NE District Senior Environmental Analyst

cc: IPS, Cheyenne  
Bill Mentock, PE/LS, Mentock Engineering, 1030 N. Main, Sheridan, WY 82801  
Mike Cole, PE, Assistant Public Works Director-Utilities, City of Sheridan

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 06-037

Sumner Street Water Distribution and Sewer Collection Replacement  
PWS: 5600052

This permit hereby authorizes the applicant:

City of Sheridan  
P.O. Box 848  
Sheridan, WY 82801

to construct, install or modify a replacement water distribution and sewer collection system to replace existing piping according to the procedures and conditions of the application number 06-037. The facility is located in the portions of Sections 26, 27, 34, & 35, in Township 56 North, Range 84 West in the county of Sheridan, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by January 1, 2007.

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

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

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

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

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

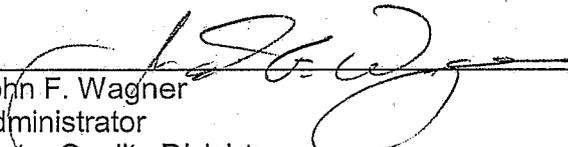
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

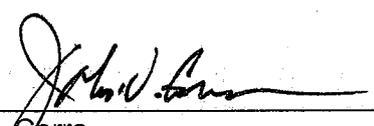
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the WDEQ located at 1866 S. Sheridan Avenue, Sheridan, Wyoming 82801; telephone (307) 673-9337; FAX (307) 673-2213, 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 Within **sixty (60) days** of completion of construction of the authorized facility, the applicant will submit to the WDEQ located at 1866 S. Sheridan Avenue, Sheridan, Wyoming 82801; telephone (307) 673-9337; FAX (307) 673-2213 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
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

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

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

2/10/06  
Date of Issuance

RJE/jc/6-0123 *JAN* 02/03/06

## STATEMENT OF BASIS

1. Permit Number: 05-037
2. Application reviewed for compliance with the following applicable regulations :  
Chapters 11 & 12 of the Wyoming Water Quality Rules and Regulations:
3. Does the permit comply with all applicable regulations identified above?  
Yes
4. Does the permit comply with all applicable regulations identified above?  
  
The permit approval is based up on a deviation from applicable regulations in accordance with Section 5 of Chapter 11.
5. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.
  - a. Section 9, (c) (i) (C) states: "Sewers shall be laid with uniform slope between manholes. Minimum slope shall be 0.40% for all 8" sewers."
  - b. The reason for this deviation:  
  
The replacement sewer connection points are fixed at each end and therefore the minimum grade cannot be met. The sewer replacement in Burrows Street shown on sheet SS9 is granted this deviation. The sewer collection operator, City of Sheridan, is acceptable to the grade of 0.20% that is proposed.
6. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was  
  
Not Required
7. Documentation of Statement of Basis: The archives file for this permit include adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Rick J. Estes, PE, restes1@state.wy.us, Northeast District Senior Environmental Analyst, and completed on February 8, 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  
"AS-BUILT" PERMIT TO CONSTRUCT

PERMIT NO. 06-038

Spotted Horse Sorenson #1 and #2 Project, Phase II

This permit hereby authorizes the applicant:

Lance Oil and Gas Company, Inc  
Attn: Tim Kalus  
1400 East Lincoln  
Gillette, Wyoming 82716

to have installed one compliance monitoring well according to the procedures and conditions of the application number 06-038. The facility is proximal to the on channel coalbed methane produced water impoundment located in Township 55N, Range 74W, Sections 17 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 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 the 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: Upper Willow MW-02.
- 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 **April 15, 2006**.

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

**Impoundment: Willow**

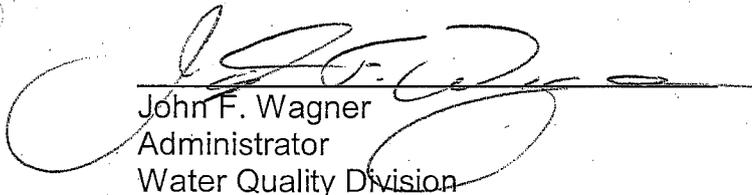
Parameter	Upper Willow MW-02 Background Value (mg/L) (09/21/2005)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1360	≥ 2400	3000

Total Dissolved Solids (TDS)	2460	≥ 4000	5000
pH	6.52	≤ 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.

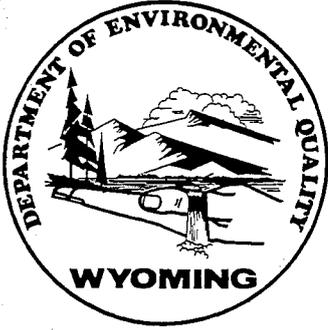
AUTHORIZED BY:

  
 John F. Wagner  
 Administrator  
 Water Quality Division

  
 John V. Corra  
 Director  
 Department of Environmental Quality

2/7/06  
 Date of Issuance

TW/jc/6-0107



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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
1866 South Sheridan Avenue  
Sheridan, WY 82801  
Phone: 307-673-9337

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

**WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER:** 06-038

**SITE (POD) NAME:** Spotted Horse Sorenson #1 and #2 Project, Phase II POD

**APPLICANT:** Lance Oil and Gas Company, Inc.  
Attn: Tim Kalus  
1400 East Lincoln  
Gillette, Wyoming 82716

**CONSULTANT:** CBM Associates, Inc.  
Attn: Tom Nissen  
345 Sinclair Street  
Gillette, Wyoming 82718

**LOCATION:** Drainage: Unnamed tributary to LX Bar Creek which drains  
northwest to the Powder River  
County: Campbell  
Township 55 North; Range 74; Section 17

**DATE ON REPORT:** January 25, 2006

**REVIEWING OFFICIAL:** Terry Webster, North District Groundwater Sr. Analyst

**DATE OF THIS REVIEW:** January 30, 2006

**ACTION:** Compliance Monitoring Plan authorized for the Spotted Horse Sorenson #1 and #2 Project, Phase II POD pursuant to conditions on permit # 06-038.

**COMMENTS: GROUNDWATER SECTION**

**1.0 SITE SUMMARY:**

**1.1 Site Description.**

Watershed Name: Unnamed tributary to LX Bar Creek which drains northwest to the Powder River

Type of Impoundment(s)

\_\_\_\_\_ "Off channel "  
1 "On channel"

Groundwater Classification:

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

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

Name of Impoundments covered under Permit 06-038

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range
Willow	6.98	NESE	17	55 N	74 W

**1.2 Hydrogeology:**

Groundwater occurs below the Willow impoundment at a depth of 23 ft-bgs in a 2.5-foot-thick coal seam immediately overlying a confining clay layer. Based on a SWL rise of five feet to 18 ft-bgs it is inferred that the water bearing coal is confined. The well site is approximately 25 feet above LX Bar Creek. The nearly flat-lying attitude of the bedrock, the depth and thickness of the coal seam in which the groundwater was encountered, and the local relief could together result in the coal seam either subcropping in the alluvium of LX Bar Creek, or cropping out in the draw slightly upstream of the creek. The CBM water may well travel on top of the confining layers and seep into LX Bar Creek located approximately 300 feet east of the impoundment.

**3.0 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 Upper Willow MW-02.
- 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 April 15, 2006.
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundment:

**Impoundment: Willow**

Parameter	Upper Willow MW-02 Background Value (mg/L) (09/21/2005)	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	1360	≥ 2400	3000
Total Dissolved Solids (TDS)	2460	≥ 4000	5000
pH	6.52	≤ 6.5	6.5 – 8.5 (s.u)

Trigger values, specific to the groundwater samples at these impoundments, 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**

TW/jc/6-0108

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 06-039

**PC 20 Mile Section 16 Gypsum CBM Water Treatment Pilot Project Facility**

This permit hereby authorizes the applicant:

Petro-Canada USA  
Suite 400 1099 18<sup>th</sup> Street  
Denver, CO 80202-1904

To construct, install or modify a gypsum dissolution CBM water treatment facility according to the procedures and conditions of the application number 06-039. The facility is located in the northeast quarter of the southeast quarter of Section 16, Township 52 North, Range 75 West in the county of Johnson, in the State of Wyoming. All construction, installation, or modification and operations allowed by this permit shall be completed by June 1, 2007.

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

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

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

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

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

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

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

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

- 1 of 8 The applicant will provide immediate oral or written notice to the DEQ/WQD Northeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 8 Petro-Canda shall provide the following for DEQ review and approval prior to commencing construction of the facility:
  - a. Construction details for the half pipe collection structure;
  - b. Plans, specifications, and detail drawings of the settling basin stamped and signed by a Wyoming Registered Professional Engineer.
  - c. A revision documenting that the valve vault outlet can be isolated during the sludge flushing of the treatment vault. If the flushed sludge is allowed to enter the settling chamber it is likely that a discharge violation will occur.
- 3 of 8 Prior to start up of the facility Petro-Canada shall provide and DEQ shall approve:
  - a. A revised Operation & Maintenance manual that includes information on the EC probes (hand held/continuous) including calibration protocols and maintenance schedules;
  - b. A revised daily operator checklist that includes check offs for daily calibration of the hand held EC probe and cleaning (as per the manufacturer' recommendation) of the continuous EC probe.
- 4 of 8 Provide a seven day notification to DEQ prior to commencing operation of this facility.
- 5 of 8 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - c. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.

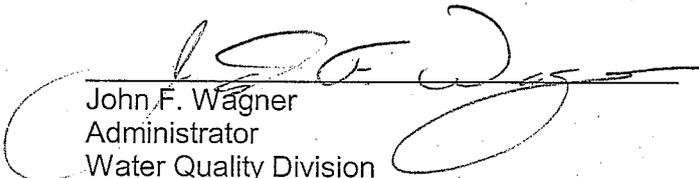
6 of 8 A monthly report must be provided within 30 days after the last day of the month, the applicant will submit to DEQ/WQD Northeast District Office. The report need not include data that was reported as a WYPDES monitoring requirement. The monthly report shall include all data gathered at the inlet and outlet of the inlet to the half pipe structure and at the inlets and outlets to each of the gypsum basins and the blend ratios of raw water and treated water going to the settling basin. The monthly report shall include a narrative detailing minimum:

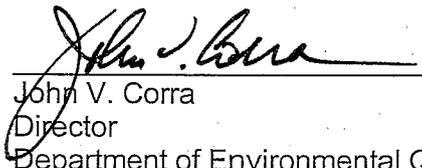
- a. Details on the operations of the facility that includes water quality results (lab and field) of raw and treated water, the EC data log records, flow rates, addition or replacement of gypsum, sludge removal, testing and disposal, the operators' daily logs/records.
- b. All applicable information regarding the operation of the pilot project facility including any changes/problems in the operation of the facility, including use of by-pass channel and a narrative detailing the problems and any modifications to the equipment or operating procedures made to correct the problems. This shall include any changes in valves/piping, use of any chemicals (prior approval by DEQ required), tank overflows, and any other applicable information.
- c. The initial report shall also include, as per the permit application, details on the determination of appropriate contact time in the gypsum basin. This shall include all lab and field data, flow rates, and the source of the raw water.

7 of 8 If a statewide permit or extension of the continuing operation of this facility is not issued by June 1, 2007, all operations of the facility must cease and site restoration accomplished.

8 of 8 Review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

2/22/06  
Date of Issuance

JDL/LBH/jc/6-0162

ORR 2/22/06

cc: WDEQ Casper Field Office

## STATEMENT OF BASIS

1. Permit Number: 06-039
2. Application reviewed for compliance with the following applicable regulations :
  - a. Chapter 3 and Chapter 11, Section 5.
3. Does the permit comply with all applicable regulations identified above?  
Yes
4. After a period of one year the operation of this and the other three pilot plants (06-040, 06-041 and 06-042) will be the basis of a decision to issue or deny a statewide permit to Petro-Canada for the operation downflow gypsum plants for the CBM treatment of CBM water..

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

not required

### 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 Dennis Lamb, Northeast District Supervisor, and completed on February 21, 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. 06-040

**PC 20 Mile Section 13 Gypsum CBM Water Treatment Pilot Project Facility**

This permit hereby authorizes the applicant:

Petro-Canada USA  
Suite 400 1099 18<sup>th</sup> Street  
Denver, CO 80202-1904

To construct, install or modify a gypsum dissolution CBM water treatment facility according to the procedures and conditions of the application number 06-040. The facility is located in the northwest quarter of the northeast quarter of the southeast quarter of Section 13, Township 52 North, Range 75 West in the county of Johnson, in the State of Wyoming. All construction, installation, or modification and operations allowed by this permit shall be completed by June 1, 2007.

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

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

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

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

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

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

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

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

- 1 of 8 The applicant will provide immediate oral or written notice to the DEQ/WQD Northeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 8 Petro-Canda shall provide the following for DEQ review and approval prior to commencing construction of the facility:
  - a. Construction details for the half pipe collection structure;
  - b. Plans, specifications, and detail drawings of the settling basin stamped and signed by a Wyoming Registered Professional Engineer.
  - c. A revision documenting that the valve vault outlet can be isolated during the sludge flushing of the treatment vault. If the flushed sludge is allowed to enter the settling chamber it is likely that a discharge violation will occur.
- 3 of 8 Prior to start up of the facility Petro-Canada shall provide and DEQ shall approve:
  - a. A revised Operation & Maintenance manual that includes information on the EC probes (hand held/continuous) including calibration protocols and maintenance schedules;
  - b. A revised daily operator checklist that includes check offs for daily calibration of the hand held EC probe and cleaning (as per the manufacturer' recommendation) of the continuous EC probe.
- 4 of 8 Provide a seven day notification to DEQ prior to commencing operation of this facility.
- 5 of 8 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - c. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.

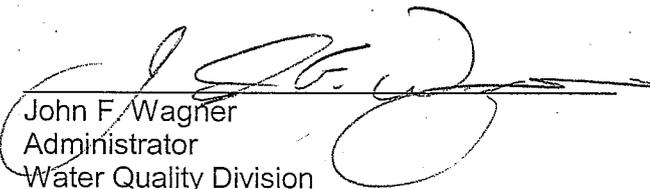
6 of 8 A monthly report must be provided within 30 days after the last day of the month, the applicant will submit to DEQ/WQD Northeast District Office. The report need not include data that was reported as a WYPDES monitoring requirement. The monthly report shall include all data gathered at the inlet and outlet of the inlet to the half pipe structure and at the inlets and outlets to each of the gypsum basins and the blend ratios of raw water and treated water going to the settling basin. The monthly report shall include a narrative detailing minimum:

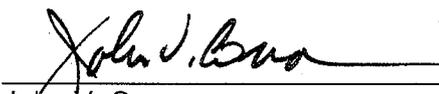
- a. Details on the operations of the facility that includes water quality results (lab and field) of raw and treated water, the EC data log records, flow rates, addition or replacement of gypsum, sludge removal, testing and disposal, the operators' daily logs/records.
- b. All applicable information regarding the operation of the pilot project facility including any changes/problems in the operation of the facility, including use of by-pass channel and a narrative detailing the problems and any modifications to the equipment or operating procedures made to correct the problems. This shall include any changes in valves/piping, use of any chemicals (prior approval by DEQ required), tank overflows, and any other applicable information.
- c. The initial report shall also include, as per the permit application, details on the determination of appropriate contact time in the gypsum basin. This shall include all lab and field data, flow rates, and the source of the raw water.

7 of 8 If a statewide permit or extension of the continuing operation of this facility is not issued by June 1, 2007, all operations of the facility must cease and site restoration accomplished.

8 of 8 Review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

2/22/06  
Date of Issuance

JDL/LBH/jc/6-0163

2/22/06  
cc: WDEQ Casper Field Office

## STATEMENT OF BASIS

1. Permit Number: 06-040
2. Application reviewed for compliance with the following applicable regulations :
  - a. Chapter 3 and Chapter 11, Section 5.
3. Does the permit comply with all applicable regulations identified above?  
Yes
4. After a period of one year the operation of this and the other three pilot plants (06-039, 06-041 and 06-042) will be the basis of a decision to issue or deny a statewide permit to Petro-Canada for the operation downflow gypsum plants for the CBM treatment of CBM water..

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

not required

### 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 Dennis Lamb, Northeast District Supervisor, and completed on February 21, 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. 06-041

**PC Cedar Draw Gypsum CBM Water Treatment Pilot Project Facility**

This permit hereby authorizes the applicant:

Petro-Canada USA  
Suite 400 1099 18<sup>th</sup> Street  
Denver, CO 80202-1904

To construct, install or modify a gypsum dissolution CBM water treatment facility according to the procedures and conditions of the application number 06-041. The facility is located in the northeast quarter of the southeast quarter of the northwest quarter of Section 16, Township 51 North, Range 75 West in the county of Johnson, in the State of Wyoming. All construction, installation, or modification and operations allowed by this permit shall be completed by June 1, 2007.

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

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

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

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

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

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

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

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

- 1 of 8 The applicant will provide immediate oral or written notice to the DEQ/WQD Northeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 8 Petro-Canada shall provide the following for DEQ review and approval prior to commencing construction of the facility:
  - a. Construction details for the half pipe collection structure;
  - b. Plans, specifications, and detail drawings of the settling basin stamped and signed by a Wyoming Registered Professional Engineer.
  - c. A revision documenting that the valve vault outlet can be isolated during the sludge flushing of the treatment vault. If the flushed sludge is allowed to enter the settling chamber it is likely that a discharge violation will occur.
- 3 of 8 Prior to start up of the facility Petro-Canada shall provide and DEQ shall approve:
  - a. A revised Operation & Maintenance manual that includes information on the EC probes (hand held/continuous) including calibration protocols and maintenance schedules;
  - b. A revised daily operator checklist that includes check offs for daily calibration of the hand held EC probe and cleaning (as per the manufacturer' recommendation) of the continuous EC probe.
- 4 of 8 Provide a seven day notification to DEQ prior to commencing operation of this facility.
- 5 of 8 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - c. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.

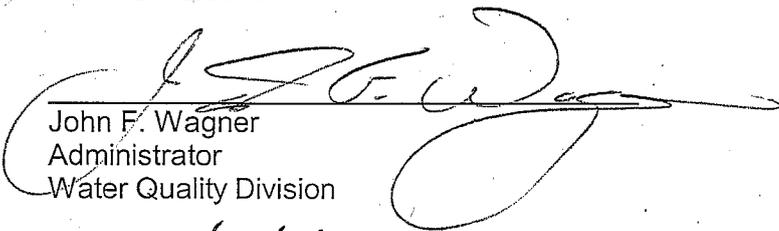
6 of 8 A monthly report must be provided within 30 days after the last day of the month, the applicant will submit to DEQ/WQD Northeast District Office. The report need not include data that was reported as a WYPDES monitoring requirement. The monthly report shall include all data gathered at the inlet and outlet of the inlet to the half pipe structure and at the inlets and outlets to each of the gypsum basins and the blend ratios of raw water and treated water going to the settling basin. The monthly report shall include a narrative detailing minimum:

- a. Details on the operations of the facility that includes water quality results (lab and field) of raw and treated water, the EC data log records, flow rates, addition or replacement of gypsum, sludge removal, testing and disposal, the operators' daily logs/records.
- b. All applicable information regarding the operation of the pilot project facility including any changes/problems in the operation of the facility, including use of by-pass channel and a narrative detailing the problems and any modifications to the equipment or operating procedures made to correct the problems. This shall include any changes in valves/piping, use of any chemicals (prior approval by DEQ required), tank overflows, and any other applicable information.
- c. The initial report shall also include, as per the permit application, details on the determination of appropriate contact time in the gypsum basin. This shall include all lab and field data, flow rates, and the source of the raw water.

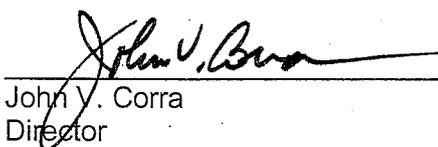
7 of 8 If a statewide permit or extension of the continuing operation of this facility is not issued by June 1, 2007, all operations of the facility must cease and site restoration accomplished.

8 of 8 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

2/22/06  
Date of Issuance

  
John V. Corra  
Director  
Department of Environmental Quality

JDL/LBH/jc/6-0164

ARC 2/22/06  
cc: WDEQ Casper Field Office

## STATEMENT OF BASIS

1. Permit Number: 06-041
2. Application reviewed for compliance with the following applicable regulations :
  - a. Chapter 3 and Chapter 11, Section 5.
3. Does the permit comply with all applicable regulations identified above?  
Yes
4. After a period of one year the operation of this and the other three pilot plants (06-039, 06-040, and 06-042) will be the basis of a decision to issue or deny a statewide permit to Petro-Canada for the operation downflow gypsum plants for the CBM treatment of CBM water..

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

not required

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 Dennis Lamb, Northeast District Supervisor, and completed on February 21, 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. 06-042

**PC Jeffers Draw Gypsum CBM Water Treatment Pilot Project Facility**

This permit hereby authorizes the applicant:

Petro-Canada USA  
Suite 400 1099 18<sup>th</sup> Street  
Denver, CO 80202-1904

To construct, install or modify a gypsum dissolution CBM water treatment facility according to the procedures and conditions of the application number 06-042. The facility is located in the northeast quarter of the southeast quarter of Section 2, Township 50 North, Range 75 West in the county of Johnson, in the State of Wyoming. All construction, installation, modification and operations allowed by this permit shall be completed by June 1, 2007.

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

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

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

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

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

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

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

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

- 1 of 8 The applicant will provide immediate oral or written notice to the DEQ/WQD Northeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 8 Petro-Canda shall provide the following for DEQ review and approval prior to commencing construction of the facility:
  - a. Construction details for the half pipe collection structure;
  - b. Plans, specifications, and detail drawings of the settling basin stamped and signed by a Wyoming Registered Professional Engineer.
  - c. A revision documenting that the valve vault outlet can be isolated during the sludge flushing of the treatment vault. If the flushed sludge is allowed to enter the settling chamber it is likely that a discharge violation will occur.
- 3 of 8 Prior to start up of the facility Petro-Canada shall provide and DEQ shall approve:
  - a. A revised Operation & Maintenance manual that includes information on the EC probes (hand held/continuous) including calibration protocols and maintenance schedules;
  - b. A revised daily operator checklist that includes check offs for daily calibration of the hand held EC probe and cleaning (as per the manufacturer' recommendation) of the continuous EC probe.
- 4 of 8 Provide a seven day notification to DEQ prior to commencing operation of this facility.
- 5 of 8 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - c. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.

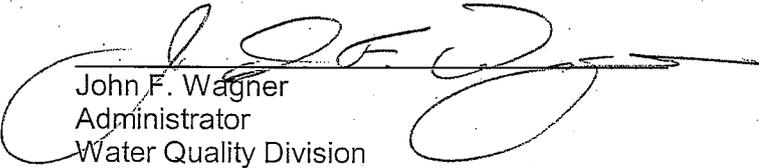
6 of 8 A monthly report must be provided within 30 days after the last day of the month, the applicant will submit to DEQ/WQD Northeast District Office. The report need not include data that was reported as a WYPDES monitoring requirement. The monthly report shall include all data gathered at the inlet and outlet of the inlet to the half pipe structure and at the inlets and outlets to each of the gypsum basins and the blend ratios of raw water and treated water going to the settling basin. The monthly report shall include a narrative detailing minimum:

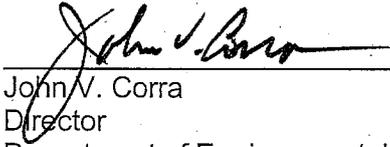
- a. Details on the operations of the facility that includes water quality results (lab and field) of raw and treated water, the EC data log records, flow rates, addition or replacement of gypsum, sludge removal, testing and disposal, the operators' daily logs/records.
- b. All applicable information regarding the operation of the pilot project facility including any changes/problems in the operation of the facility, including use of by-pass channel and a narrative detailing the problems and any modifications to the equipment or operating procedures made to correct the problems. This shall include any changes in valves/piping, use of any chemicals (prior approval by DEQ required), tank overflows, and any other applicable information.
- c. The initial report shall also include, as per the permit application, details on the determination of appropriate contact time in the gypsum basin. This shall include all lab and field data, flow rates, and the source of the raw water.

7 of 8 If a statewide permit or extension of the continuing operation of this facility is not issued by June 1, 2007, all operations of the facility must cease and site restoration accomplished.

8 of 8 Review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

2/22/06  
Date of Issuance

JDL/LBH/jc/6-0165

ARC 2/22/6

cc: WDEQ Casper Field Office

## STATEMENT OF BASIS

1. Permit Number: 06-042
2. Application reviewed for compliance with the following applicable regulations :
  - a. Chapter 3 and Chapter 11, Section 5.
3. Does the permit comply with all applicable regulations identified above?  
Yes
4. After a period of one year the operation of this and the other three pilot plants (06-039, 06-040, 06-041) will be the basis of a decision to issue or deny a statewide permit to Petro-Canada for the operation downflow gypsum CBM treatment.

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

not required

### Documentation of Statement of Basis.

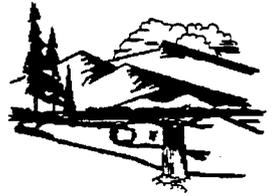
The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

## 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 Dennis Lamb, Northeast District Supervisor, and completed on February 21, 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

February 1, 2006

Holly Bostick, Executive Director  
Mountain Spirit Habitat for Humanity  
P.O. Box 1226  
Cody, WY 82414

RE: Mountain Spirit Addition Water & Sewer Lines, Permit Number: 06-043, Section 33, T52N, R101W, Park County

Dear Ms. Bostick:

The above application for coverage under General Permit to construct 8 and 6-inch water distribution lines, extensions of a public water supply system and 8-inch sanitary sewer lines, extensions of a sewage collection system, in accordance with Chapter 3, Section 7; Chapter 11, Section 9; 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 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  
Roy R. Holm, P.E., Holm, Blough and Company, 1402 Stampede Ave., Cody, WY 82414  
Stephen W. Payne, P.E., City of Cody, P.O. Box 2200, Cody, WY 82414

encl: General Permits For a Public Water Distribution System & 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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
AS - BUILT  
PERMIT TO CONSTRUCT  
PWS WY5600105

PERMIT NO. 06-044R

Reference Permit No. 04-436

Wamsutter - BP America Production Company Office - Booster Pump Station

This permit hereby authorizes the applicant:

Gary L. English  
BP America Production Company  
P.O. Box 157  
Wamsutter, WY 82336

to construct a public water supply system consisting of a 2,500 gallon water storage tank, and a booster pump system to serve an office water service connection; according to the procedures and conditions of the application number 06-044R. The facility is located about 1 - mile north of The Town of Wamsutter within NE 1/4 & NW 1/4 Sections 27, T20N,R94W in the county of Sweetwater, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by May 21, 2009.

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

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

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

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

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

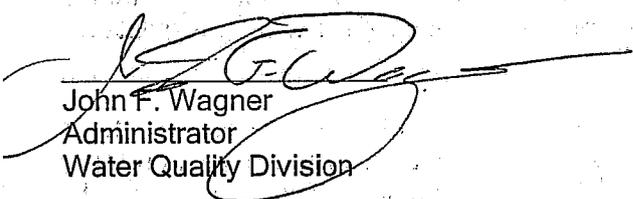
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

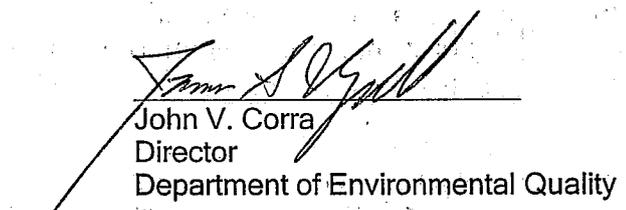
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 4 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 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 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 4 An Operation and Maintenance manual must be submitted to the Lander Office upon completion of construction.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
 John F. Wagner  
 Administrator  
 Water Quality Division

  
 John V. Corra  
 Director  
 Department of Environmental Quality

5-22-07  
 Date of Issuance  
 JRV 5/22/7  
 MDB/rm/7-0420

## STATEMENT OF BASIS

1. Permit Number: 06-044R
2. Application reviewed for compliance with the following regulations:  
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?  
No.
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.  
  
Chapter 12, Section 8(d)(iii) requires that an alternative power source shall be provided when finished water storage that floats on the distribution system can not supply the maximum daily demands. A variance from Chapter 12, Section 8(d)(iii) has been granted since the booster pump system supplies water to only a private office water service.
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 archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

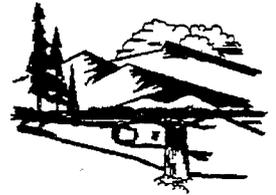
## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, P.E., Southwest District Engineer mbaron@state.wy.us, and completed on May 21, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."



# Department of Environmental Quality

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



Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

March 9, 2006

Mike Nelson, Public Works Director  
City of Green River  
50 East 2<sup>nd</sup> North  
Green River, WY 82935

RE: Green River's 2006 Capital Improvement Project (water line replacement & extension; sewer line extension), Permit Number: 06-045, Section 22, T18N, R107W, Sweet Water County

Dear Mr. Nelson:

This project involves the installation of 12-inch water line, 12-inch sewer line, and 8-inch sewer line along Uinta Drive. The above application for coverage under General Permit to construct a water distribution line, extension of a public water supply system and a sanitary sewer line, extension of a sewage collection system, in accordance with Chapter 3, Section 7; Chapter 11, Section 9; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved provided:

*The 12-inch PVC water main carrier pipe shown on Sheet #4 at the boring is properly supported within the 24-inch steel casing. Specification 401.05 (8) refers to casing chocks to provide support to the mentioned water main. This item should be clarified in the drawings.*

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  
David Westling, P.E., City of Green River, 50 East 2<sup>nd</sup> North, Green River, WY 82935

encl: General Permits For a Public Water Distribution System & 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



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

Permit No. 06-046R

Riverside Cemetery District's Wastewater Lagoon Wetwell & Water Supply Line

This permit hereby authorizes the applicant:

Biff Beck, Chairman  
Riverside Cemetery  
1721 Gulch Street  
Cody, WY 82414

to have constructed a wastewater lagoon wetwell (250 gpm flow capacity) and 4,000 linear feet of 6-inch HDPE from the city's wastewater lagoons to the Riverside Cemetery for irrigation purposes according to the procedures and conditions of the application number 06-046R. The facility is located in SE ¼, Tract 39, T53N, R101W in the county of Park, in the State of Wyoming.

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

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

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

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

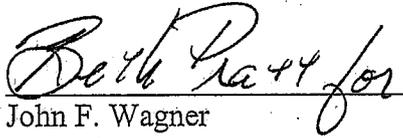
The permittee has constructed and shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or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

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

1 of 2 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

2 of 2 This supply line must be properly drained in the Fall via opening a valve on the 2-inch copper pipe (pump bypasses line) and making an air compression connection to properly flush this supply line and prevent freezing problems.

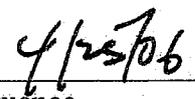
AUTHORIZED BY:



John F. Wagner  
Administrator  
Water Quality Division



John Corra  
Director  
Department of Environmental Quality

  
Date of Issuance

JSB/jc/6-0342

ARW 4/24/6

## STATEMENT OF BASIS

1. Permit Number: 06-046R
2. Application reviewed for compliance with the following regulations:  
Chapters 11
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.  
Not required.
5. 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 Brough, Northwest District Engineer, [jbroug@state.wy.us](mailto:jbroug@state.wy.us) and completed on April 24, 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: Heather Christensen, P.E., Graham, Dietz and Associates, P.O. Box 338, Cody, Wy 82414

