



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 7, 2005

Mr. Kevin Keller, President
Rock Springs Land Development Company, Inc.
1807 Capitol Avenue, Suite 108
Cheyenne, WY 82001

RE: **Summit View Estates, Phase III - Lots 137 & 138, Permit No. 05-601, SW1/4 Section 33, T19N, R105, Sweetwater County**

Dear Mr. Keller:

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

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

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
City of Rock Springs; 212 D Street; Rock Springs, WY 82901
encl: General Permit for Extensions to Existing Sewage Collection Systems

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

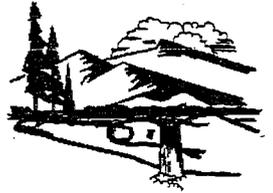
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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





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NOTIFICATION OF COVERAGE

November 7, 2005

Mr. Kevin Keller, President
Rock Springs Land Development Company, Inc.
1807 Capitol Avenue, Suite 108
Cheyenne, WY 82001

RE: **Summit View Estates, Phase III - Lots 139 & 140, Permit No. 05-602, SW1/4 Section 33, T19N, R105, Sweetwater County**

Dear Mr. Keller:

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

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

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
City of Rock Springs; 212 D Street; Rock Springs, WY 82901
encl: General Permit for Extensions to Existing Sewage Collection Systems

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John Corra, Director

NOTIFICATION OF COVERAGE

November 14, 2005

Shawn O'Malley, Town Engineer
Town of Jackson
P.O. Box 1687
Jackson, WY 83001

RE: North Cache Streetscape Sewer Replacement, Permit Number 05-603R, NW1/4 Sec. 27, T41N, R116W, Teton County

Dear Mr. O'Malley:

The above application for coverage under General Permit to construct a replacement sewer main in accordance with Chapter 3, Section 7 and Chapter 11, Part B, of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved.

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

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

Sincerely,

Jeff Hermansky
Northwest District Engineering Supervisor

xc: Nicholas Fiore, Jorgensen Associates
IPS, Cheyenne

encl: General Permit for Sewage Collection Systems





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 27, 2005

Benny R. Rogers
BR Construction
P.O. Box 523
Pinedale, WY 82941

RE: Benny R. Rogers - Small Enhanced Wastewater Treatment System- Permit Number 05-604, SE1/4 Section 10, T33N, R109W, Sublette County, Old Brazzill Ranch Subdivision, First Filing, Lot 6

Dear Mr. Rogers:

The above application for coverage under General Permit to Construct a small enhanced wastewater treatment facility, to serve a three bedroom home, in accordance with Chapter 3, Section 7, Chapter 11, Part D and Section 5, Chapter 23, Section 7(d)(viii) of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the 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.

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

- 1 of 5 This permit is for an enhanced (extended aeration, fixed activated sludge treatment system with and leach field) small wastewater treatment system. The permittee is required to obtain a maintenance contract and submit annual documentation that maintenance is being provided in accordance with the manufacturer requirements and recommendations and the permit conditions. Authority for this requirement is found in Sections 11 (a) and (c), Chapter 3 of the Wyoming Water Quality Rules and Regulations. Annual maintenance documentation must be submitted before December 31 of each year, starting December 31, 2006 to: Southwest District Engineer, Wyoming Department of Environmental Quality, 510 Meadowview Drive, Lander, WY 82520. Failure to submit annual maintenance documentation is a violation of the compliance requirements for this permit issued under Wyoming Statute 35-11-301.



- 2 of 5 The permittee shall ensure that the system is maintained and regularly serviced, as recommended by the manufacturer, for the life of the system. An inspection of the system, as recommended by the manufacturer in the owner's manual, shall be performed every six months by a qualified or certified individual to ensure the system is operating correctly, and to determine when maintenance is required.
- 3 of 5 In the event that authority for permitting enhanced small wastewater treatment systems is delegated to Sublette County by the Department of Environmental Quality, the permittee shall be subject to all county requirements and resolutions that may be in effect, or subsequently enacted, affecting the inspection, operation, maintenance, monitoring, or replacement of this system.
- 4 of 5 This small enhanced wastewater treatment system must continually achieving the following minimum treatment standards as required by Chapter 23, Section 7(d)(viii)(C) of the Wyoming Water Quality Rules and Regulations at a depth of 2 feet below the bottom of the leach field trench:
- Fecal Coliform: < 800 colonies/100mL (maximum 30 day geometric mean)
 - Total Kjeldahl Nitrogen: < 25mg/L (maximum 30 day average)
- 5 of 5 The bottom of the leach field must be at least 6 feet above the seasonally high ground water.

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

Sincerely,



Mark Baron, P.E.
Environmental Senior Analyst
Water Quality Division

xc: IPS, Cheyenne
Keith Raney, Environmental Health, Sublette County, P.O. Box 722, Pinedale, WY 82941

encl: General Permit for Small Wastewater Treatment Systems

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 05-605R

Reference Permit No. 84-387

McGinnis Pit - Hydrocarbon Separation Facility - Sublette County

This permit hereby authorizes the applicant:

E.M Shipp, Owner
ExxonMobil Production Company
US Production Water Compliance Supervisor
P.O. Box 4358
Houston, TX 77210-4358

to construct a gravity type hydrocarbon separation facility consisting of a lined steel containment cell, two steel 400 barrel produced water tanks, and two 300 barrel condensate tanks to serve an existing oil and gas exploration and production wastewater disposal pond according to the procedures and conditions of the application number 05-605R. The facility is located at SW1/4 Section 31, T28N, R113W in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 5, 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 6 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 6 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 6 This facility is permitted to treat oil and gas field exploration and production produced water only.

4 of 6 A completed operation and maintenance manual for this facility must be submitted to the Southwest District Engineer, State of Wyoming, DEQ, Water Quality Division, 510 Meadow View Drive, Lander, WY 82520. This manual must meet the applicable requirements of Chapter 11, Section 24 of the Wyoming Water Quality Rules and Regulations, and be approved by the DEQ/WQD prior to placing this facility in operation.

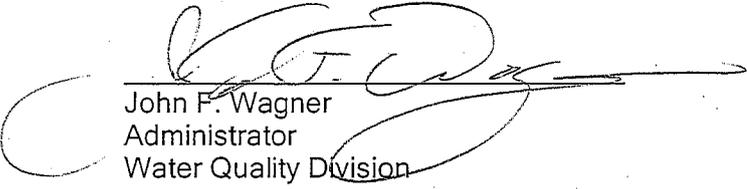
5 of 6

To protect birds and other wildlife, evaporation cells shall be kept virtually oil free at all times. All produced water received by this facility shall be treated in the hydrocarbon separation facilities to remove hydrocarbons from the produced water before it is discharged to the evaporation cells. If a sheen develops on any part of an evaporation cell, it shall be removed immediately by skimming, use of sorptive materials and/or by the introduction to the evaporation cell(s) of biological cultures that digest hydrocarbons.

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 V. Corra
Director
Department of Environmental Quality

12/7/05
Date of Issuance
MDB/mdb
Bb/5-1310.PER

STATEMENT OF BASIS

1. Permit Number: 05 - 605R
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?
The approval is in accordance with Section 5 of Chapter 11.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
This hydrocarbon separation facility will have a 30-mil high-density polyethylene liner installed inside of containment cell and under the separation tanks which will protect the groundwater. If a leak occurs fluids will be collected in a shallow sump and removed. If the volume of the containment cell is exceeded, fluids will flow into the existing lined pit.
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 December 5, 2005. 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."

MDB/bb/5-1310.PER

cc: Planning and Zoning Administrator, Sublette County Planning and Zoning Office,
P.O. Box 506, Pinedale, WY 82941



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 18, 2005

Leonard Kooiman
1818 24th Avenue Place
Greeley, Colorado 80634

RE: Kooiman Residential Septic System,
Location: Part of Section 26, T26N, R70W,

Application No. **05-606**
Platte County

Dear Mr. Kooiman:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **2 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 November 18, 2007. Please reference Application Number 05-606 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/jc/5-1262

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

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

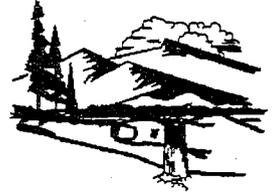
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7758 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 4, 2005

Bill Thielemann
T-Mac, L.L.C.
9 Northview Drive
Cody, WY 82414

RE: Cody Cowboy Village Water & Sewer Lines, Permit Number: 05-607, Section 3, T52N, R102W, Park County

Dear Mr. Thielemann:

The above application for coverage under General Permit to construct water distribution lines, extensions of a public water supply system and 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
David R. Shultz, P.E., Sage Civil Engineering, 2824 Big Horn 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
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FAX 332-7726

SOLID & HAZARDOUS WASTE
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FAX 332-7726

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT
PWS # WY5600007

PERMIT NO. 05-608RR

Big Piney - Transmission Line Meter House & Water Supply Well No. 9

This permit hereby authorizes the applicant:

Phillip V. Smith
Town of Big Piney
P.O. Box 70
Big Piney, WY 83113

to construct a public water supply system consisting a meter house to connect the Big Piney and Marbleton water systems and to construct a water well and pump house according to the procedures and conditions of the application number 05-608RR. The facilities are located just northwest of the Town of Big Piney in Sections 30,31,36, T30N, R111&112W in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 10, 2009.

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

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

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

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

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

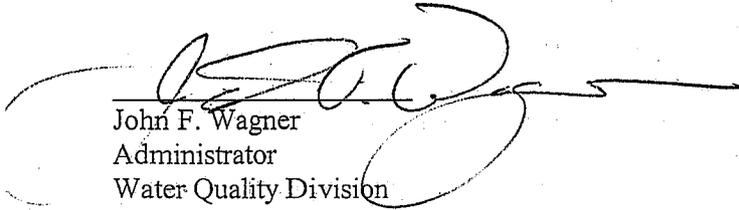
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

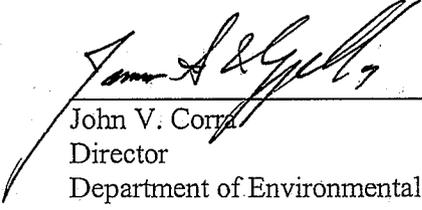
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 5 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 5 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 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 4 of 5 Water quality data such as that for bacteriological contaminants, inorganic contaminants (IOC), volatile organic contaminants (VOC), synthetic organic contaminants (SOC) and radio nuclide contaminants to be submitted upon completion of the water well. The well water quality must be in compliance with the United States Environmental Protection Agency National Primary Drinking Water Standards.
- 5 of 5 Yield and drawdown test information for the water well, must be submitted upon completion of the water well along with the required O and M manuals.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

10-12-07
Date of Issuance
MDB/DRM/cs/7-0885
JRE 10/12/7

STATEMENT OF BASIS

1. Permit Number: 05-608RR
2. Application reviewed for compliance with the following regulations:
Chapters 3, and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Not required.
5. Documentation of Statement of Basis: The archive file for this permit 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, P.E., mbaron@state.wy.us, Southwest District Engineer and completed on October 10, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

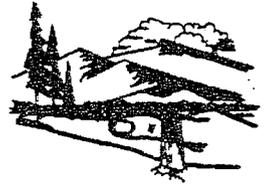
cc: Robert T. Ablondi, P.E., Rendezvous Engineering, P.C., P.O. Box 4858, Jackson, WY 83001
Kevin Frank, P.E., WDEQ Casper, 152 North Durbin, Casper, WY 82601



Dave Freudenthal, Governor

Department of Environmental Quality

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John Corra, Director

NOTIFICATION OF COVERAGE

November 28, 2005

Thomas & Julie Devine
1225 Beaver Creek Road
Newcastle, WY 82701

RE: Devine Residential Septic System, Permit # 05-610

Dear Thomas & Julie:

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 were authorized to construct, install, or modify the facility at **which lies in the SW1/4SW1/4 of Section 8 in Township 46 North, Range 60 West** 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. **You are required to submit a minimum of two (2) photos of the system installation and the Certificate of Completion to this office no later than 60 days following the installation.** All construction, installation, or modification allowed by this permit shall be completed by December 1, 2006.

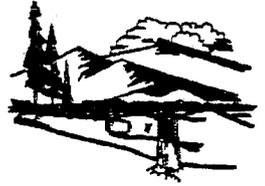
As we discussed during our phone conversation on Friday, November 25 the existing septic system serving your apartment in your barn is not permitted with WDEQ. An "as-built permit" is required for this system to be in compliance with WDEQ rules and regulations. The process to obtain this permit is for you to complete as much information on the Permit to Construct form (included) as possible-without disturbing the system. Some information required on the application must be estimated such as:

- Type and size of tank
- General dimensions of septic leach field area





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

December 20, 2005

Mr. Dan Blakeman
Mayor-Town of Pine Haven
24 Waters Drive
Pine Haven, WY 82721

RE: Empire Subdivision Water & Sewer 05-611
PWS# WY5600191

Dear Dan:

The above application for coverage under General Permit to Construct, Install, Modify or Operate an extension to the Town of Pine Haven 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. Any questions can be directed to 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
Aubrey L. Farris, E.I.T., Stetson Engineering, Inc., PO Box 457, Gillette, WY 82717



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 05-612

Reference Permit: WYPDES No. WY0054127

Town of Pine Haven Sanitary Sewer Improvements -- Phase I

This permit hereby authorizes the applicant:

Town of Pine Haven
24 Water Drive
Pine Haven, Wyoming 82721

to construct, install or modify a lift station, 3400 linear feet of 6" force main, 5000 linear feet of 10" gravity sewer, a five cell wastewater lagoon, and associated appurtenances according to the procedures and conditions of the application number 05-612. The facility is located in SW1/4 Section 4 and SE1/4 Section 5, Township 50 North, Range 66 West in the county of Crook, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2007.

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

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

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

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

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

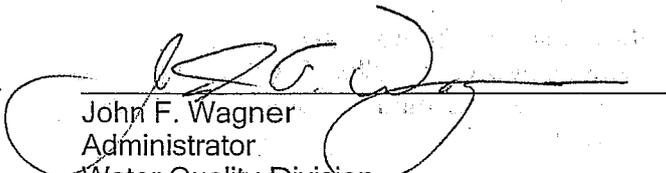
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

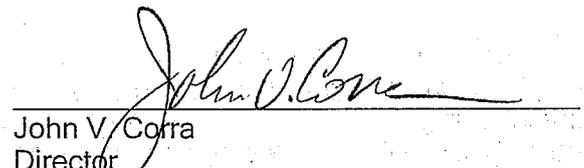
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 5 The applicant will provide immediate oral or written notice to the DEQ Casper Field Office, 152 N. Durbin St., Suite 100, Casper, WY 82601, 307-473-3465, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ Casper Field Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 4 of 5 The applicant shall submit a complete Operation and Maintenance manual before operations commence. The O&M Manual shall meet the requirements of WWQRR Chapter 11 Section 24.
- 5 of 5 The applicant shall comply with the "Ambient standards for odors" established by the Wyoming Air Quality Standards and Regulations Chapter 2 Section 11.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

Date of Issuance
KJF/jc/6-0363

ARE 5/2/6

STATEMENT OF BASIS

1. Permit Number: 05-612
2. Application reviewed for compliance with the following applicable regulations:
 - a. Chapter 11.
3. Does the permit comply with all applicable regulations identified above?
 - a. Yes
4. Facilities not specifically covered by regulations
 - a. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
N/A
 - b. Briefly state the basis for the deviation.
N/A
5. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.

Lagoon cells will have a low permeability clay liner in accordance with Chapter 11 Section 18(e) to preclude groundwater impacts.
6. Documentation of Statement of Basis.

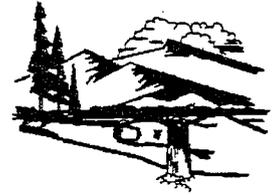
The archives file for this permit will include adequate documentation of all sections of this Statement of Basis.

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 Kevin Frank, PE, SRF Program Senior Analyst, and completed on May 1, 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

November 7, 2005

Dorothy J. Overfield, Manager
Northwest Rural Water District
P.O. Box 2347
Cody, Wyoming 82414

RE: Northwest Rural Water District - O'Donnell S. Area - Line 627 - Goosman Waterline Extension, Permit Number: 05-613, Section 5, T55N, R99W, Park County, PWS #WY5601254C

Dear Ms. Overfield:

The above application for coverage under General Permit to construct a treated water line, extension of a public water supply distribution system, consisting of 1,405 linear feet of 2-inch water line in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved.

You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general 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: Robert Overfield, P.E., Engineering Associates, P.O. Box 1900, 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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 05-614

Rocky Mountain Pipeline System – Road Application - Wamsutter Pumping Station

This permit hereby authorizes the applicant:

Rocky Mountain Pipeline System, LLC
1575 Hwy 150 South
Evanston, WY 82930

to road apply waste crude oil and sludges in the form of petroleum contaminated soil according to the procedures and conditions of application number 05-614. The application site is located in SE1/4 NW1/4 Section 27, T20N, R94W in the county of Sweetwater, in the State of Wyoming. This permit shall be effective until November 30, 2007.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable standards. Compliance with DEQ standards is the responsibility of the permittee, owner, and/or operator.

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

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

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

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

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

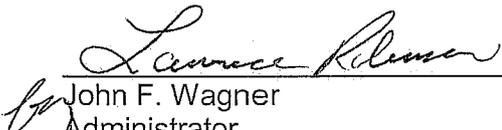
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1 of 7 Section 9, Chapter III, Wyoming Water Quality Rules and Regulations requires notification of DEQ for any changes or modifications to the approved permit package. The permittee shall

provide immediate verbal or written notice to the Southeast District Engineer, Wyoming DEQ/WQD, 122 West 25th Street, Cheyenne, WY 82002, phone 307-777-7088.

- 2 of 7 The permittee shall provide certification that the project was completed in accordance with the terms and conditions of the permit within sixty (60) days of the project completion to the Southwest District Engineer on the attached Certification of Completion form.
- a. Date that the road application was completed; and
 - b. Certification the road application was done in accordance with the terms and conditions of the permit; or
 - c. Certification the road application was completed with changes or modifications. Submit the information necessary to clearly indicate the road application as actually performed. This information shall include a contour map depicting only those sections of road that actually received.
- 3 of 7 The review and approval of this permit is based upon the items identified in the attached Statement of Basis.
- 4 of 7 The waste crude oil and sludges shall be applied uniformly and incorporated into the road bed. Application shall not be initiated during the spring runoff period or at times saturated soil conditions exist. Applications shall not be applied during the period from November 1 to April 10.
- 5 of 7 The application site slope shall not exceed eight percent (8%.)
- 6 of 7 Application shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
- 7 of 7 Only the roads designated in this permit are authorized for application of the waste crude oil and sludges. Additional or alternate sections of road meeting the requirements of the application and this permit may be utilized if a written description and maps are received and approved by the WQD.

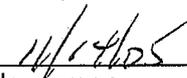
AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality



Date of Issuance

DHC/jc/5-1219

STATEMENT OF BASIS

1. Permit Number: 05-614
2. Application reviewed for compliance with the following applicable regulations :

Chapter 11 of the Wyoming Water Quality Rules and Regulations

- a. Basis for issuing permit.

The permit is based on deviation from applicable regulations in accordance with approved policy statement.

3. Facilities not specifically covered by regulations.

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

There are no numeric standards or criteria in Chapter XI for road application. W.S. 35-11-301 (a)(iii) requires a permit to be issued when any disposal system capable of causing or contributing to pollution is constructed, installed, modified, or operated.

- b. Briefly state the basis for the deviation.

Road application is permitted when DEQ authorized disposal facilities are not readily available, a beneficial use of the waste to be applied is possible, and significant impact to waters of the State is minimized.

- c. Permit based on general or statewide deviation contained in approved policy statement.

District Policy numbers 10.1 (4/9/91), 10.2 (10/17/86), 10.3 (8/91), 10.4 (10/24/91), and 10.6 (1/18/91) address the statutory authority to regulate the road application of waste, establish criteria for characterizing the waste, and determine acceptable conditions for the application of the waste to roadbeds to minimize impact to waters of the State.

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

The opportunity for direct or indirect discharge, percolation, or filtration to groundwater is minimized by uniformly applying the waste crude oil and sludges onto the roadbed. Repeated applications on the same sections of road will be monitored by roadbed analyses.

5. 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 Doyle H. Conklin, Wyoming DEQ/WQD Southwest District Engineering Supervisor, and completed on November 9, 2005. 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 FOR LAND APPLICATION

PERMIT NO. 05-615

REFERENCE PERMIT NO. WY0020192

Effluent Irrigation System for Exterior Dikes - Town of Thermopolis Wastewater Treatment Facility

This permit hereby authorizes the applicant:

Steve Shay, Mayor
Town of Thermopolis
P.O. Box 603
Thermopolis, WY 82443

to land apply treated lagoon wastewater lagoon (Class C) to the exterior of the lagoon embankment via sprinklers and bubblers, according to the procedures and conditions of the application number 05-615. The application site is located at SE ¼, Section 2, T42N, R95W in the county of Hot Springs, in the State of Wyoming. This permit shall be scheduled to expire jointly with the WYPDES permit for the Wastewater Lagoon's discharge. Thus, this permit is effective until January 31, 2009.

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

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

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

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

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

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

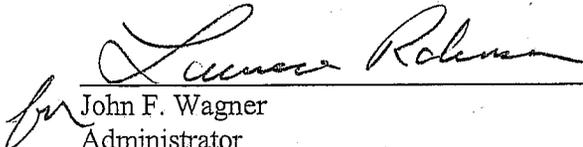
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not

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

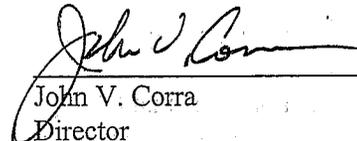
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 4 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Dr., Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 4 The treated wastewater shall be applied for the purpose of beneficial reuse and shall not exceed the irrigation need of the vegetation at the site.
- 3 of 4 The treated wastewater shall be applied at rates that prevent surface runoff. Application shall not be initiated when saturated soil conditions exist. **The maximum application rate shall be 1 inches application (2-hour run time of sprinkler system).** Applications shall not affect inhabited areas with aerosol drift.
- 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

11/14/05

Date of Issuance
JSB/jc/5-1215

STATEMENT OF BASIS

Permit Number: 05-615

Application reviewed for compliance with the following regulations:

Chapters 3 and 21 of the Wyoming Water Quality Rules and Regulations.

Does the permit comply with all applicable regulations identified above?

Yes. The irrigation pump, distribution piping, and sprinkler system was approved under permit no. 04-280RR. The wastewater discharge to the Big Horn River is covered under permit number WY0020192. The wastewater used for land application is pumped directly from the effluent piping manifold. Thus, the wastewater effluent which is covered under WY0020192 and the wastewater which is land applied to the exterior of the lagoons dikes is the same.

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, Environmental Engineer and completed on November 8, 2005. 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

November 29, 2005

Lynn McAlexander, Project Manager
Wal-Mart
2001 S.E. 10th Street, Dept. 9562
Bentonville, Arkansas 72716-0550

RE: Wal-Mart Distr. Center No. 7077 Water and Sewer Ext., Application No.05-616,Laramie County

Dear Lynn:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as water and sewer line extensions for domestic supply, fire protection, and refrigeration heat exchange flow, SW 1/4 Section 4 T13N R67W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All service connections will be protected by the appropriate backflow device as required by Chapter 12, Section 14(i) of the Water Quality Division Rules and Regulations. All construction, installation, or modification allowed by this notification of coverage shall be completed by 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. 05-616 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 D. Emerson, P.E., Carter and Burgess, Inc.
777 Main Street, 29th Floor
Fort Worth, Texas 76102

LBH/jc/5-1282

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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The State
of Wyoming

Department of Environmental Quality



Dave Freudenthal, Governor

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

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

NOTIFICATION OF COVERAGE

November 2, 20005

Michael Chambers, Northern Production Manager
Anadarko Petroleum Corporation
1201 Lake Robbins Drive
The Woodlands, TX 77380

RE: County Line CBM Water Treatment Facility Project Permit # 05-617

Dear Mr. Chambers:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Pilot Plant in accordance with Section 5, Chapter 11, of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O. of the general permit.

The following item needs to be submitted to WDEQ/WQD:

1. As-built drawings of the project and date that CBM water treatment commences;
2. A monthly update on the pilot plants operations (water quality results raw and treated water), and any other applicable information regarding the operation of the pilot project facility and any changes/problems in the operation of the facility, and the quantity and type of chemicals used at the facility;
3. Documentation that all pits have been permitted and bonded by the applicable agency (Oil and Gas, BLM); and
4. Notification if the treated water is to be discharged through an WYPDES compliance point.

If you have any questions please contact Dennis Lamb at 3030 Energy Lane, Casper, WY, 82604,
(307) 473-3452. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Dennis Lamb", with a long horizontal flourish extending to the right.

Dennis Lamb
NE District Supervisor
DEQ/WQD



The State
of Wyoming

Department of Environmental Quality



Dave Freudenthal, Governor

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

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

NOTIFICATION OF COVERAGE

November 17, 2005

Stephen D. Bell
5439 Magnuson Blvd
Gillette, WY 82718

RE: AIR/GAS Small Wastewater System Permit# 05-618

Dear Mr. Bell:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3 and Chapter 11, Part D, of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O. of the general permit.

If you have any questions please contact Dennis Lamb at 3030 Energy Lane, Casper, WY, 82604, (307) 473-3452. Thank you.

Sincerely,

Dennis Lamb
NE District Supervisor DEQ/WQD

cc: IPS, Cheyenne



The State
of Wyoming

Department of Environmental Quality



Dave Freudenthal, Governor

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

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

NOTIFICATION OF COVERAGE

November 17, 2005

Ted W. Scott
Scott Brothers Electric
1411 Southerland Drive
Gillette, WY 82718

RE: Scott Brothers Small Wastewater System Permit# 05-619

Dear Mr. Scott:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3 and Chapter 11, Part D, of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O. of the general permit.

If you have any questions please contact Dennis Lamb at 3030 Energy Lane, Casper, WY, 82604, (307) 473-3452. Thank you.

Sincerely,

Dennis Lamb
NE District Supervisor DEQ/WQD

cc: IPS, Cheyenne

IPS



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 8, 2005

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

RE: Cheyenne Lexington Hills/Concord Village Development Water and Sewer Extensions, Application No.05-620, Laramie County

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as 8" diameter looped water line, 8" diameter sewer line, fire hydrants, and building services, NW 1/4 Section 7 T13N R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by 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. 05-620 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
Brian D. Smith, Pinnacle Engineers, Inc.
12552 West Executive Drive
Boise, ID 83713

LBH/jc/5-1211

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

November 8, 2005

Mr. Steven Koepke
B.P. America
14421 Weld County Road 10
Houston, TX 77079-2696

RE: **B. P. America Jonah Field Office, Permit Number 05-621**; W1/2 W1/2 Section 26, T29N, R107W, Sublette County

Dear Mr. Koepke:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a small wastewater facility in accordance with Chapter 3 and Part D, Chapter 11 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

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

Sincerely,

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

xc: IPS, Cheyenne
Keith Raney; Sublette County Sanitarian; P.O. Box 722; Pinedale, WY 82941

encl: General Permit for Small Wastewater Facilities

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

November 10, 2005

Mr. Ron Patterson
Managing Partner-Holly Ponds LLC
P.O. Box 6793
Sheridan, WY 82801

RE: Holly Ponds Commercial Area Water & Wastewater Extension Permit Renewal, Permit # 05-622
Reference Permits 03-476, 00-399
PWS# 5600052

Dear Ron:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a extension to the Town of Sheridan Wastewater Collection and Water Distribution system in accordance with Chapter 3 and Chapter 11 of the WWQRR has been renewed. 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 November 1, 2006.

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 Transfer of Ownership when the utilities are accepted by the City of Sheridan. These are conditions of this permit.

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

Sincerely,

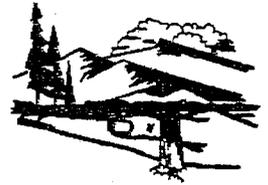
Rick J. Estes, P.E.
WDEQ/WQD NE District Senior Environmental Analyst

cc: IPS, Cheyenne
Mike Cole, P.E., Assistant Public Works Director-Utilities, City of Sheridan
Jim Willey, P.E., 13 Buffalo Run Drive, Banner, WY 82832





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

December 28, 2005.

Mr. Ron Patterson
Managing Partner-Holly Ponds LLC
P.O. Box 6793
Sheridan, WY 82801

RE: Haven II Water & Wastewater Extension Permit Renewal, Permit # 05-623
Reference Permits 97-300, 00-367, 00-399, 01-061, 02-172, 03-476.
PWS# 5600052

Dear Ron:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a extension to the Town of Sheridan Wastewater Collection and Water Distribution system in accordance with Chapter 3 and Chapter 11 of the WWQRR has been renewed. 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 Transfer of Ownership when the utilities are accepted by the City of Sheridan. These are conditions of this permit.

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
Mike Cole, P.E., Assistant Public Works Director-Utilities, City of Sheridan
Jim Willey, P.E., 13 Buffalo Run Drive, Banner, WY 82832

Page 1 of 1

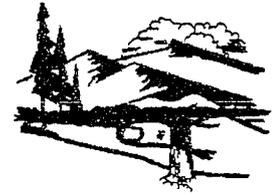
1866 SOUTH SHERIDAN AVENUE • SHERIDAN, WY 82801

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





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 7, 2005

Mr. Stephan LeSatz, Council President
Town of Chugwater
248 2nd Street
Chugwater, WY 82210

RE: Chugwater Sewer Extension, Application No.05-624,Platte County

Dear Mr. LeSatz:

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 135 feet of 6" diameter sewer line with two manholes, SW 1/4 Section 30 T21N R66W; Platte County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by 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. 05-624 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

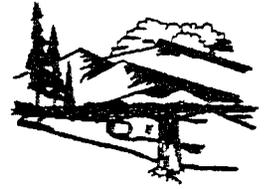
Victor Anderson, States West Water Resources
P.O. Box 2092
Cheyenne, WY 82003

LBH/jc/5-1205





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 9, 2005

Tom Byrne
P.O. Box 794
Gillette, WY 82717

RE: Byrne Small Wastewater System, Permit # 05-625

Dear Tom:

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 November 1, 2006.

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

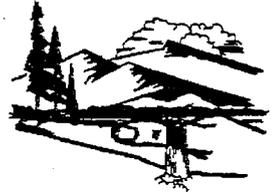
cc: IPS, Cheyenne
Crook County Clerk, P.O. Box 37, Sundance, WY 82729
Town of Pine Haven, 24 Waters Drive, Pine Haven, WY

Page 1 of 1





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 8, 2005

Dave Carney
P.O. Box 83
Boulder, WY 82923

RE: Kathy K. George - Small Enhanced Wastewater Treatment System- Permit Number 05-626R, SW1/4 Section 11, T33N, R109W, Sublette County, Old Brazzill Ranch Subdivision, Fourth Filing, Lot 49

Dear Mr. Carney:

The above application for coverage under General Permit to Construct a small enhanced wastewater treatment facility, to serve a four bedroom home, in accordance with Chapter 3, Section 7, Chapter 11, Part D and Section 5, Chapter 23, Section 7(d)(viii) of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the 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.

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

- 1 of 5 This permit is for an enhanced (extended aeration, activated sludge treatment system with and leach field) small wastewater treatment system. The permittee is required to obtain a maintenance contract and submit annual documentation that maintenance is being provided in accordance with the manufacturer requirements and recommendations and the permit conditions. Authority for this requirement is found in Sections 11 (a) and (c), Chapter 3 of the Wyoming Water Quality Rules and Regulations. Annual maintenance documentation must be submitted before December 31 of each year, starting December 31, 2007 to: Southwest District Engineer, Wyoming Department of Environmental Quality, 510 Meadowview Drive, Lander, WY 82520. Failure to submit annual maintenance documentation is a violation of the compliance requirements for this permit issued under Wyoming Statute 35-11-301.



- 2 of 5 The permittee shall ensure that the system is maintained and regularly serviced, as recommended by the manufacturer, for the life of the system. An inspection of the system, as recommended by the manufacturer in the owner's manual, shall be performed every six months by a qualified or certified individual to ensure the system is operating correctly, and to determine when maintenance is required.
- 3 of 5 In the event that authority for permitting enhanced small wastewater treatment systems is delegated to Sublette County by the Department of Environmental Quality, the permittee shall be subject to all county requirements and resolutions that may be in effect, or subsequently enacted, affecting the inspection, operation, maintenance, monitoring, or replacement of this system.
- 4 of 5 This small enhanced wastewater treatment system must continually achieving the following minimum treatment standards as required by Chapter 23, Section 7(d)(viii)(C) of the Wyoming Water Quality Rules and Regulations at a depth of 0.7 feet below the bottom of the leach field trench:
- Fecal Coliform: < 800 colonies/100mL (maximum 30 day geometric mean)
 - Total Kjeldahl Nitrogen: < 25mg/L (maximum 30 day average)
- 5 of 5 The bottom of the leach field must be at least 4.7 feet above the seasonally high ground water.

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

Sincerely,



Mark Baron, P.E.
Environmental Senior Analyst
Water Quality Division

xc: ✓ IPS, Cheyenne
Keith Raney, Environmental Health, Sublette County, P.O. Box 722, Pinedale, WY 82941

encl: General Permit for Small Wastewater Treatment Systems

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

PERMIT NO. 05-627

Carr Draw – Maycock Project

This permit hereby authorizes the applicant:

Williams Production RMT Company
Attn.: Mr. Thomas Doll
300 Works Ave.
Gillette, WY 82716

to have installed two compliance monitoring wells according to the procedures and conditions of the application number 05-627. The facilities are proximal to the on channel coalbed methane produced water impoundment located in Township 50N, Range 75W, Sections 21 and 27, in the county of Campbell, in the State of Wyoming. All construction, installation, or modification allowed by this permit has been completed.

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

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

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

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

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

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

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

1 of 2: The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Program, 1866 South Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

2 of 2: Monitoring Requirements:

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

- Measurement of static water level and sampling and analysis of groundwater at downgradient wells Middleton 1 MW-01 and Middleton 2 MW-01.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th of each year. The first set of data will be due by **January 15, 2006**.

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

Impoundment Middleton 1

Parameter	Middleton 1 MW-01 Background Value (mg/L) (3/29/05)	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	615	≥ 2400	3000
Total Dissolved Solids (TDS)	1150	≥ 4000	5000
pH	8.12	≤ 6.5	6.5 – 8.5 (s.u)

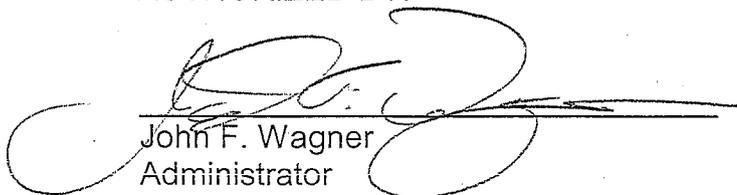
Impoundment Middleton 2

Parameter	Middleton 2 MW-01 Background Value (mg/L) (3/29/05)	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	1100	≥ 2400	3000
Total Dissolved Solids (TDS)	1920	≥ 4000	5000
pH	7.58	≤ 6.5	6.5 – 8.5 (s.u)

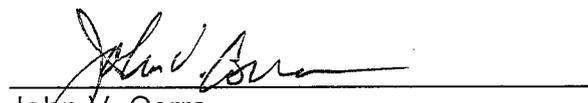
Trigger values, specific to the groundwater samples at each impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with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

10/14/05

 Date of Issuance

WDF/UW/jc/5-1222



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: 05-627

SITE (POD) NAME: Carr Draw – Maycock Project

APPLICANT: Williams Production RMT Company
Attn: Mr. Thomas Doll
300 Works Ave.
Gillette, WY 82716

CONSULTANT: CBM Associates, Inc.
Attn: R. F. Garland
2449 Park Ave.
Laramie, WY 82070

LOCATION: Drainage: Two unnamed tributaries to Barber Creek,
tributary to Powder River
County : Campbell
Township 50 North; Range 75 West

DATE ON REPORT: May 24, 2005

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

DATE OF THIS REVIEW: October 28, 2005

ACTION: Compliance Monitoring Plan authorized for Car Draw – Maycock POD
pursuant to conditions on permit # 05-627

Impoundment Middleton 1

Parameter	Middleton 1 MW-01 Background Value (mg/L) (3/29/05)	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	615	≥ 2400	3000
Total Dissolved Solids (TDS)	1150	≥ 4000	5000
pH	8.12	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment Middleton 2

Parameter	Middleton 2 MW-01 Background Value (mg/L) (3/29/05)	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	1100	≥ 2400	3000
Total Dissolved Solids (TDS)	1920	≥ 4000	5000
pH	7.58	≤ 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 15th 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. 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.

END OF REVIEW

UW/jc/5-1223

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

PERMIT NO. 05-628

All Night Creek V, Phase III, Plan of Development POD: Impoundments 22-7-4273 & 41-7-4273

This permit hereby authorizes the applicant:

Williams Production RMT Company
300 Works Avenue
Gillette, WY 82716

to have installed two compliance monitoring wells according to the procedures and conditions of the application number 05-628. The facilities are proximal to the on channel coal bed methane produced water impoundments located in Township 42N, Range 73W, Section 7, in the county of Campbell, in the State of Wyoming. All construction, installation, or modification allowed by this permit has been completed.

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

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

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

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

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

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

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

1 of 2: The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Program, 1866 South Sheridan Avenue, Sheridan, WY 82801, ph. (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 levels and sampling and analysis of groundwater at downgradient wells 22-7-4273 MW-01 and 41-7-4273 MW-01.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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 22-7-4273

Parameter	22-7-4273 MW-01 Background Value (mg/L) (4/11/05)	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	525	≥ 2400	3000
Total Dissolved Solids (TDS)	1060	≥ 4000	5000
pH	7.53	≤ 6.5	6.5 – 8.5 (s.u)

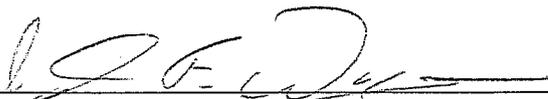
Impoundment 41-7-4273

Parameter	22-7-4273 MW-01 Background Value (mg/L) (4/11/05)	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	618	≥ 2400	3000
Total Dissolved Solids (TDS)	1230	≥ 4000	5000
pH	7.43	≤ 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 15th 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. In addition, the accompanying analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

AUTHORIZED BY:



 John F. Wagner
 Administrator
 Water Quality Division



 John V. Corra
 Director
 Department of Environmental Quality

11/21/05

 Date of Issuance

WDF/TAW/jc/5-1229



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: 05-628

SITE (POD) NAME: All Night Creek V, Phase III, POD

APPLICANT: Williams Production RMT Company
Attn: Eric Sandberg
300 Works Avenue
Gillette, WY 82716

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

LOCATION: Drainage: Unnamed northwest trending tributary drainages
of the Belle Fourche River
County: Campbell
Township 42 North; Range 73 West; Section 7

DATE ON REPORT: October 3, 2005

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

DATE OF THIS REVIEW: November 14, 2005

ACTION: Compliance Monitoring Plan authorized for All Night Creek V, Phase III,
POD pursuant to conditions on permit # 05-628

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Unnamed northwest tributaries of Belle Fourche River

Type of Impoundment(s)

_____ "Off channel "
 X "On channel"

Groundwater Classification:

Class 1 (domestic) _____
Class 2 (irrigation) _____
Class 3 (agricultural) 22-7-4273 & 41-7-4273

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).

Description of Hydrogeology: Groundwater occurs below the 22-7-4273 impoundment at a depth of 124 feet in an 18 foot sandstone layer. Groundwater occurs below the 41-7-4273 impoundment in the same 18 foot sandstone layer at a depth of 117 feet. The aquifer appears to be unconfined beneath both impoundments and the gradient is anticipated to follow the topography to the northwest.

Names of Impoundments (all are on-channel) covered under Permit 05-628

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range
22-7-4273	9.2	SWNE	7	42 N	73 W
41-7-4273	6.83	SWNE	7	42 N	73 W

2.0 MONITORING AND REPORTING REQUIREMENTS

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

- Measurement of static water level and sampling and analysis of groundwater at downgradient well 22-7-4273 MW-01 and 41-7-4273 MW-01.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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 22-7-4273

Parameter	22-7-4273 MW-01 Background Value (mg/L) (4/11/05)	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	525	≥ 2400	3000
Total Dissolved Solids (TDS)	1060	≥ 4000	5000
pH	7.53	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment 41-7-4273

Parameter	22-7-4273 MW-01 Background Value (mg/L) (4/11/05)	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	618	≥ 2400	3000
Total Dissolved Solids (TDS)	1230	≥ 4000	5000
pH	7.43	≤ 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 15th 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.

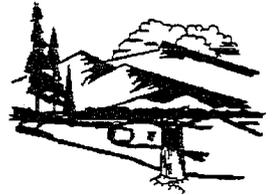
The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>).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

TAW/jc/5-1230



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

December 15, 2005

Joe Seneshale
Legacy Builders
2128 Westview Avenue
Rock Springs, WY 82901

RE: City of Rock Springs - The Vineyards Subdivision - Water and Sewer Main Extensions - Permit Number 05-629R , NW 1/4 Section 34, T19N, R105W, Sweetwater County, PWS # WY5601182

Dear Mr. Seneshale:

The above application for coverage under General Permits to Construct a public water supply system extension consisting of 2615 linear feet (LF) of 8 - inch and 2004 LF of 10 - inch PVC water main and a sewage collection system extension consisting of 3620 LF of 8 - inch PVC sewer main in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

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

Sincerely,

Mark Baron, P.E.
Environmental Senior Analyst
Water Quality Division

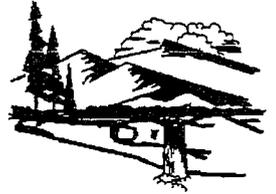
xc: IPS, Cheyenne

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





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

January 10, 2006

Mike Filicetti
P.O. Box 260
Green River, WY 82935

RE: Opal Gas Processing Plant - Williams Midstream Septic and Collection System - Permit Number 05-630R, NW 1/4 Section 27, T21N, R114W, Lincoln County

Dear Mr. Filicetti:

The above application for coverage under General Permits to relocate a septic tank and sewage collection main, to serve 27 employees, in accordance with Chapter 3, Section 7 and Chapter 11, Part D and Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

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

Sincerely,

Mark Baron, P.E.
Environmental Senior Analyst
Water Quality Division

xc: IPS, Cheyenne
John Woodward, Lincoln County Planning & Zoning, P.O. Box 414, Afton, WY 83110

encl: General Permit for Small Wastewater Treatment Systems,
General Permit for a Sewage Collection System



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

PERMIT NO. 05-631

Crazy Woman Prospect, Phase IV

This permit hereby authorizes the applicant:

Black Diamond Energy, Inc.
410 Mount Nebo Road
Pittsburgh, PA 15237

to have installed three compliance monitoring wells according to the procedures and conditions of the application number 05-631. The facility is proximal to the on channel coalbed methane produced water impoundment located in Township 52N, Range 79W, Section 36 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 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 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 monitor wells: Rocky Road MW-01, Boulder Lane MW-01, and Rough Ride MW-01.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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 at the impoundment:

Impoundment Rocky Road

Parameter	Rocky Road MW-01 Background Value (mg/L) (3/5/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.005	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	275	≥ 2400	3000
Total Dissolved Solids (TDS)	1240	≥ 4000	5000
pH	7.31	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment Boulder Lane

Parameter	Boulder Lane MW-01 Background Value (mg/L) (3/5/05)	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	5	≥ 2400	3000
Total Dissolved Solids (TDS)	640	≥ 4000	5000
pH	7.91	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment Rough Ride

Parameter	Rough Ride MW-01 Background Value (mg/L) (3/5/05)	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	<1.0	≥ 2400	3000
Total Dissolved Solids (TDS)	528	≥ 4000	5000
pH	8.35	≤ 6.5	6.5 – 8.5 (s.u)

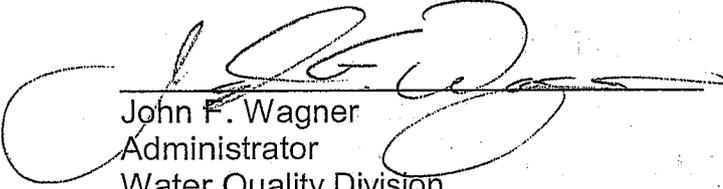
Trigger values have been assigned to each constituent and are also listed in the table. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with the analytical results due by the 15th day of each month.

In order to address the potential mobilization of metals in the subsurface, when groundwater monitoring reveals a pH measurement of 6.5 standard units (s.u.) or less, the WDEQ may require monthly sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.

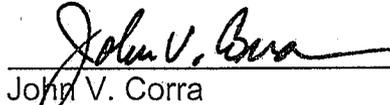
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The analytical results for each sampling event, along with impoundment and monitor well location information must be included in an Excel spread sheet formatted to match the template for Compliance Monitoring Data Reporting which can be found on our web site (<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. 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

2/4/06

Date of Issuance

Df/jc/6-0093



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: 05-631

SITE (POD) NAME: Crazy Woman Prospect, Phase IV, POD

APPLICANT: Black Diamond Energy, Inc
Attn: Eric Koval
801 E. 4th Street
Gillette, Wyoming 82716

CONSULTANT: CBM Associates, Inc.
Attn: Tom Nissen
920 East Sheridan
Laramie, Wyoming 82070

LOCATION: Drainage: Unnamed northwest-trending tributary of Crazy
Woman Creek
County: Johnson
Township 52 North; Range 79 West, Section 36

DATE ON REPORT: October 17, 2005

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

DATE OF THIS REVIEW: December 15, 2005 & February 2, 2006

ACTION: Compliance Monitoring Plan authorized for the Crazy Woman Prospect,
Phase IV, POD pursuant to conditions on permit # 05-631

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Unnamed northwest-trending tributary of Crazy Woman Creek

Type of Impoundment(s)

 "Off channel "
 X "On channel"

Groundwater Classification:

Class 1 (domestic)

Class 2 (irrigation)

Class 3 (agricultural) Rocky Road, Boulder Lane and Rough Ride

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). The TDS concentration in wells Boulder Lane MW-01 and Rough Ride MW-1 of 640 mg/L and 528 mg/L respectively were high enough to place the groundwater into a class II category and the subsequent SAR concentrations of 14.6 and 21.7 classified the waters as Class III.

Name of Impoundment covered under Permit 05-631:

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range
Rocky Road	33.52	NENW	36	52 N	79 W
Boulder Lane	49.68	SEnw	36	52 N	79 W
Rough Ride	67.69	NWSE	36	52 N	79 W

1.2 Hydrogeology & Review

Monitoring well Rocky Road MW-01 encountered groundwater at 63 feet below ground surface (bgs) in a one foot thick clay and gravel zone. In monitoring well Boulder Lane MW-01 groundwater occurs at approximately 65 in a coal seam. Groundwater in monitoring well Rough Ride MW-01 was encountered in clay at 120 feet bgs. The static water elevation in all three wells is similar and the groundwater is believed to be confined and structurally controlled within the drainage.

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 monitor wells Rocky Road MW-01, Boulder Lane MW-01 and Rough Ride MW-01.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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 at the impoundment:

Impoundment Rocky Road

Parameter	Rocky Road MW-01 Background Value (mg/L) (3/5/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.005	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	275	≥ 2400	3000
Total Dissolved Solids (TDS)	1240	≥ 4000	5000
pH	7.31	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment Boulder Lane

Parameter	Boulder Lane MW-01 Background Value (mg/L) (3/5/05)	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	5	≥ 2400	3000
Total Dissolved Solids (TDS)	640	≥ 4000	5000
pH	7.91	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment Rough Ride

Parameter	Rough Ride MW-01 Background Value (mg/L) (3/5/05)	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	<1.0	≥ 2400	3000
Total Dissolved Solids (TDS)	528	≥ 4000	5000
pH	8.35	≤ 6.5	6.5 – 8.5 (s.u)

Trigger values 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 15th day of each month. If groundwater monitoring reveals a pH measurement of 6.5 standard units (s.u.) 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 template which can be found on our web site (<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. 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.

END OF REVIEW

DF/jc/6-0094

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

PERMIT NO. 05-632

AC Ranch North and East

This permit hereby authorizes the applicant:

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

to have installed two compliance monitoring wells according to the procedures and conditions of the application number 05-632. The facilities are proximal to the on channel coalbed methane produced water impoundment located in Township 57N, Range 83W, Sections 28 and 35, in the county of Sheridan, in the State of Wyoming. All construction, installation, or modification allowed by this permit has been completed.

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

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

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

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

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

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

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

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

2 of 3: The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Program, 1866 South Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213 when discharge to each impoundment covered under this permit commences.

3 of 3: Monitoring Requirements:

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

- Measurement of static water level and sampling and analysis of groundwater at downgradient wells Snafu MW-01 and Casey MW-01.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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 Art Johnston #1 ENL

Parameter	Snafu MW-01 Background Value (mg/L) (04/06/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	0.007	≥ 0.04	0.05
Sulfate	2390	≥ 2400	3000
Total Dissolved Solids (TDS)	3960	≥ 4000	5000
pH	6.91	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment Casey

Parameter	Casey MW-01 Background Value (mg/L) (04/06/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.004 (ND)	≥ 0.16	0.2
Selenium	<0.005	≥ 0.04	0.05
Sulfate	1370	≥ 2400	3000
Total Dissolved Solids (TDS)	2400	≥ 4000	5000
pH	7.22	≤ 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 15th 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. 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.

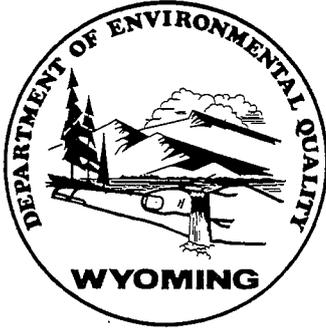
AUTHORIZED BY:


 John F. Wagner
 Administrator
 Water Quality Division


 John V. Corra
 Director
 Department of Environmental Quality

12-1-05
 Date of Issuance

WDF/UW/jc/5-1299



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: 05-632

SITE (POD) NAME: AC Ranch North and East.

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

CONSULTANT: CBM Associates
Attn: Robert Garland
920 E. Sheridan
Laramie, WY 82070

LOCATION: Drainage: Prairie Dog Creek,
tributary to Tongue River
County : Sheridan
Township 57 North; Range 83 West

DATE ON REPORT: October 3, 2005

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

DATE OF THIS REVIEW: November 10, 2005

ACTION: Compliance Monitoring Plan authorized for AC Ranch North and East
POD pursuant to conditions on permit # 05-632

2.0 MONITORING AND REPORTING REQUIREMENTS

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

- Measurement of static water level and sampling and analysis of groundwater at downgradient wells Casey MW-01 and Snafu MW-01.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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 Art Johnston #1 ENL

Parameter	Snafu MW-01 Background Value (mg/L) (04/06/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	0.007	≥ 0.04	0.05
Sulfate	2390	≥ 2400	3000
Total Dissolved Solids (TDS)	3960	≥ 4000	5000
pH	6.91	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment Casey

Parameter	Casey MW-01 Background Value (mg/L) (04/06/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.004 (ND)	≥ 0.16	0.2
Selenium	<0.005	≥ 0.04	0.05
Sulfate	1370	≥ 2400	3000
Total Dissolved Solids (TDS)	2400	≥ 4000	5000
pH	7.22	≤ 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 15th 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 template for Compliance Monitoring Data Reporting which can be found on our web site (<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. The analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail.

END OF REVIEW

WDF/UW/jc/5-1299

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

PERMIT NO. 05-633

A C Ranch Central

This permit hereby authorizes the applicant:

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

to have installed two compliance monitoring wells according to the procedures and conditions of the application number 05-633. The facilities are proximal to the on channel coalbed methane produced water impoundments located in Township 56 N, Range 83W, Sections 33 and 34, in the county of Sheridan, in the State of Wyoming. All construction, installation, or modification allowed by this permit has been completed.

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

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

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

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

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

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

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

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

2 of 3: The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Program, 1866 South Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213 when discharge to each impoundment covered under this permit commences.

3 of 3: Monitoring Requirements:

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

- Measurement of static water level and sampling and analysis of groundwater at downgradient well Patrick MW-01, and Paul #3 MW-01.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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: Patrick

Parameter	Patrick MW-01 Background Value (mg/L) (4/05/05)	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	2110	≥ 2400	3000
Total Dissolved Solids (TDS)	3550	≥ 4000	5000
pH	6.93	≤ 6.5	6.5 – 8.5 (s.u)

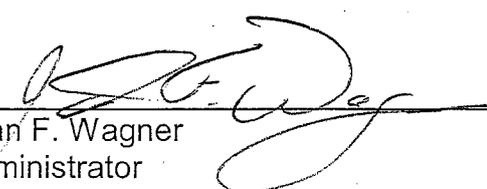
Impoundment: Paul # 3

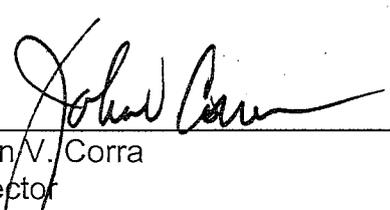
Parameter	Paul # 3 MW-01 Background Value (mg/L) (11/18/04)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	960	≥ 2400	3000
Total Dissolved Solids (TDS)	1900	≥ 4000	5000
pH	7.31	≤ 6.5	6.5 – 8.5 (s.u)

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 15th 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.

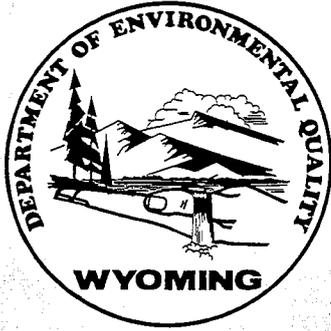
The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spreadsheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: cbmgroundwater@state.wy.us. 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

1/26/06
 Date of Issuance
 WDF/jc/6-0065



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: 05-633

SITE (POD) NAME: AC Ranch Central

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

CONSULTANT: Geomega, Inc.
Attn.: Dr. Arthur Mizzi
2995 Baseline Road, Suite 202
Boulder, Colorado 80303

LOCATION: Drainage: Prairie Dog Creek and Wildcat Creek,
tributary to Tongue River
County : Sheridan
Township 56 North; Range 83 West

DATE ON REPORT: January 24, 2006

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

DATE OF THIS REVIEW: January 25, 2006

ACTION: Compliance Monitoring Plan authorized for AC Ranch Central POD
pursuant to comments raised in this review.

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Prairie Dog Creek and Wildcat Creek, tributary to
Tonque River

Type of Impoundment(s)

_____ "Off channel "
2 "On channel"

Groundwater Classification:

Class 1 (domestic) _____
Class 2 (irrigation) _____
Class 3 (agricultural) 2

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

Description of Hydrogeology:

Patrick: Groundwater occurs in a fine to coarse grained sandstone encountered from 75 to 109 feet bgs. First water was encountered 86 feet bgs. The static water level is approximately 82.3 feet bgs and indicates unconfined conditions. The water bearing zone is overlain by 60 feet of sandstone with 15 feet of clay at the surface.

Paul # 3: Groundwater occurs in a scoria and/or clay with some scoria from 12 to 21 feet bgs. First water was encountered 22 feet bgs. The static water level is approximately 20 feet bgs indicating unconfined conditions. The water bearing zone is overlain by 12 feet of clay

Names of Impoundments covered under Permit 05-633:

Impoundment Name	Capacity (acre/ft)	Type	Qtr Qtr	Section	Township	Range
Patrick	6	On-channel	SESE	33	56 N	83 W
Paul # 3	55	On-channel	SWSE	34	56 N	83 W

2.0 MONITORING AND REPORTING REQUIREMENTS

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

- Measurement of static water level and sampling and analysis of groundwater at downgradient well Patrick MW-01, and Paul #3 MW-01.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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: Patrick

Parameter	Patrick MW-01 Background Value (mg/L) (4/05/05)	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	2110	≥ 2400	3000
Total Dissolved Solids (TDS)	3550	≥ 4000	5000
pH	6.93	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment: Paul # 3

Parameter	Paul # 3 MW-01 Background Value (mg/L) (11/18/04)	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	960	≥ 2400	3000
Total Dissolved Solids (TDS)	1900	≥ 4000	5000
pH	7.31	≤ 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 15th 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. In addition, the accompanying analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

END OF REVIEW

WDF/jc/6-0064

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

PERMIT NO. 05-635

Hartzog Draw: North Reservoir

This permit hereby authorizes the applicant:

XTO Energy
210 West Park Circle, Suite 2350
Oklahoma City, OK 73102

to have installed one compliance monitoring well according to the procedures and conditions of the application number 05-635. The facilities are proximal to the on channel coalbed methane produced water impoundment located in Township 44N, Range 75W, Section 15, 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 well North MW-1.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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 North Reservoir

Parameter	North MW-1 Background Value (mg/L) (10/14/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	0.006	≥ 0.04	0.05
Sulfate	213	≥ 2400	3000
Total Dissolved Solids (TDS)	590	≥ 4000	5000
pH	8.3	≤ 6.5	6.5 – 8.5 (s.u)

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

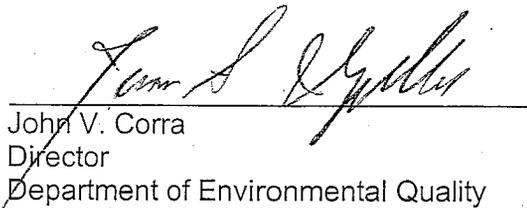
AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division

12/1/05

Date of Issuance



John V. Corra
Director
Department of Environmental Quality

WDF/UW/jc/5-1298



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: 05-635

SITE (POD) NAME: Hartzog Draw: North Reservoir

APPLICANT: XTO Energy
210 West Park Circle, Suite 2350
Oklahoma City, OK 73102

CONSULTANT: Pearl Development Company
Attn: David Nicolarsen
P.O. Box 783
Sheridan, WY 82801

LOCATION: Drainage: Mud Springs Creek,
tributary to Belle Fourche River
County : Campbell
Township 44 North; Range 75 West

DATE ON REPORT: August 16, 2005

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

DATE OF THIS REVIEW: October 12, 2005

ACTION: Compliance Monitoring Plan authorized for Hartzog Draw POD pursuant
to conditions on permit # 05-635

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Mud Spring Creek, tributary to the Belle Fourche River

Type of Impoundment(s)

_____ "Off channel "
 X "On channel"

Groundwater Classification:

Class 1 (domestic) _____
Class 2 (irrigation) _____
Class 3 (agricultural) X

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

Description of Hydrogeology: Groundwater occurs below the North Reservoir in medium grained sandstone from approximately 52 to 126 feet below ground surface (bgs). First water was encountered at 80 feet bgs. The static water level is approximately 80 feet bgs and indicates unconfined conditions within this water bearing zone.

Names of Impoundment covered under Permit 05-635:

Impoundment Name	Capacity (acre/ft)	Type	Qtr Qtr	Section	Township	Range
North Reservoir	5.53	On-channel	SWNW	15	44 N	75 W

2.0 MONITORING AND REPORTING REQUIREMENTS

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

- Measurement of static water level and sampling and analysis of groundwater at downgradient well North MW-1.
- Reporting results of quarterly monitoring and sampling needs to be at the department by January 15th, April 15th, July 15th, and October 15th 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 North Reservoir

Parameter	North MW-1 Background Value (mg/L) (10/14/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	0.006	≥ 0.04	0.05
Sulfate	213	≥ 2400	3000
Total Dissolved Solids (TDS)	590	≥ 4000	5000
pH	8.3	≤ 6.5	6.5 – 8.5 (s.u)

Trigger values, specific to the groundwater samples at this impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with the analytical results due by the 15th 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. In addition, the accompanying analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

END OF REVIEW

WDF/UW/jc/5-1298

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

PERMIT NO. 05-636

Hartzog Draw: Jordan 7 Reservoir

This permit hereby authorizes the applicant:

XTO Energy
210 West Park Circle, Suite 2350
Oklahoma City, OK 73102

to have installed four compliance monitoring wells according to the procedures and conditions of the application number 05-636. The facilities are proximal to the on channel coalbed methane produced water impoundment located in Township 44N, Range 75W, Section 16, 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 well Jordan 7 GMW-01 and Jordan 7 Alluvial.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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 Jordan 7 Reservoir

Parameter	Jordan 7 GMW-01 Background Value (mg/L) (6/05/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	0.013	≥ 0.04	0.05
Sulfate	218	≥ 2400	3000
Total Dissolved Solids (TDS)	610	≥ 4000	5000
pH	8.0	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment Jordan 7 Reservoir, continued

Parameter	Jordan 7 Alluvial Background Value (mg/L) (10/14/05)	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	201	≥ 2400	3000
Total Dissolved Solids (TDS)	730	≥ 4000	5000
pH	8.1	≤ 6.5	6.5 – 8.5 (s.u)

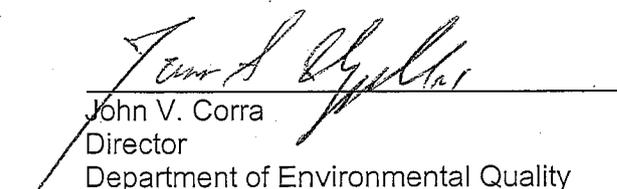
Trigger values, specific to the groundwater samples at each impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with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

12/1/05

 Date of Issuance

WDF/UW/jc/5-1292



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: 05-636

SITE (POD) NAME: Hartzog Draw: Jordan 7 Reservoir

APPLICANT: XTO Energy
210 West Park Circle, Suite 2350
Oklahoma City, OK 73102

CONSULTANT: Pearl Development Company
Attn: David Nicolarsen
P.O. Box 783
Sheridan, WY 82801

LOCATION: Drainage: Unnamed tributary to Mud Spring Creek,
tributary to Belle Fourche River
County : Campbell
Township 44 North; Range 75 West

DATE ON REPORT: August 16, 2005

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

DATE OF THIS REVIEW: October 12, 2005

ACTION: Compliance Monitoring Plan authorized for Hartzog Draw POD pursuant to
conditions on permit # 05-636

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: unnamed tributary to Mud Spring Creek, tributary to Belle Fourche River

Type of Impoundment(s)

_____ "Off channel "
 X "On channel"

Groundwater Classification:

Class 1 (domestic) _____
Class 2 (irrigation) _____
Class 3 (agricultural) X

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

Description of Hydrogeology: Groundwater occurs below the Jordan 7 impoundment in both alluvium and bedrock. Water within the alluvium was encountered from 12 to 21 feet in fine sand. Bedrock groundwater was encountered in sandy clay from 131 to 89 feet bgs. The static water level is approximately 61 feet bgs and may indicate confined conditions within the bedrock water bearing zone.

Names of Impoundment covered under Permit 05-636:

Impoundment Name	Capacity (acre/ft)	Type	Qtr	Qtr	Section	Township	Range
Jordan 7 Reservoir	5.39	On-channel	SE	SE	16	44 N	75 W

2.0 MONITORING AND REPORTING REQUIREMENTS

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

- Measurement of static water level and sampling and analysis of groundwater at downgradient well Jordan 7 GMW-03 and Jordan 7 Alluvial.

- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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 Jordan 7 Reservoir

Parameter	Jordan 7GMW-01 Background Value (mg/L) (6/05/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	0.013	≥ 0.04	0.05
Sulfate	218	≥ 2400	3000
Total Dissolved Solids (TDS)	610	≥ 4000	5000
pH	8.0	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment Jordan 7 Reservoir, continued

Parameter	Jordan 7 Alluvial Background Value (mg/L) (10/14/05)	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	201	≥ 2400	3000
Total Dissolved Solids (TDS)	730	≥ 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 15th 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. In addition, the accompanying analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

END OF REVIEW

WDF/UW/jc/5-1292

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

PERMIT NO. 05-637

Hartzog Draw: Jordan 5 Reservoir

This permit hereby authorizes the applicant:

XTO Energy
210 West Park Circle, Suite 2350
Oklahoma City, OK 73102

to have installed three compliance monitoring wells according to the procedures and conditions of the application number 05-637. The facilities are proximal to the on channel coalbed methane produced water impoundment located in Township 44N, Range 75W, Section 13, 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 well Jordan 5 MW-01.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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 Jordan 5 Reservoir

Parameter	Jordan 5 MW-01 Background Value (mg/L) (10/14/05)	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	409	≥ 2400	3000
Total Dissolved Solids (TDS)	930	≥ 4000	5000
pH	8.0	≤ 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 15th 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. 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:



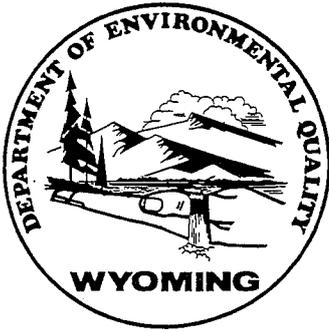
John F. Wagner
Administrator
Water Quality Division

12-1-05
Date of Issuance



John V. Corra
Director
Department of Environmental Quality

WDF/UW/jc/5-1293



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: 05-637

SITE (POD) NAME: Hartzog Draw: Jordan 5 Reservoir

APPLICANT: XTO Energy
210 West Park Circle, Suite 2350
Oklahoma City, OK 73102

CONSULTANT: Pearl Development Company
Attn: David Nicolarsen
P.O. Box 783
Sheridan, WY 82801

LOCATION: Drainage: Mud Springs Creek,
tributary to Belle Fourche River
County : Campbell
Township 44 North; Range 75 West

DATE ON REPORT: August 16, 2005

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

DATE OF THIS REVIEW: October 12, 2005

ACTION: Compliance Monitoring Plan authorized for Hartzog Draw POD pursuant to conditions on permit # 05-637

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Mud Spring Creek, tributary to Belle Fourche River

Type of Impoundment(s)

 "Off channel "
 X "On channel"

Groundwater Classification:

Class 1 (domestic)
Class 2 (irrigation)
Class 3 (agricultural) X

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

Description of Hydrogeology: Groundwater occurs below the Jordan 5 impoundment in a medium to coarse grained sandstone from approximately 15 to 20 feet below ground surface (bgs). First water was encountered at 15 feet bgs. The static water level is approximately 15 feet bgs and indicates unconfined conditions within this water bearing zone.

Names of Impoundment covered under Permit 05-637:

Impoundment Name	Capacity (acre/ft)	Type	Qtr Qtr	Section	Township	Range
Jordan 5 Reservoir	8.44	On-channel	SWSW	13	44 N	75 W

2.0 MONITORING AND REPORTING REQUIREMENTS

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

- Measurement of static water level and sampling and analysis of groundwater at downgradient well Jordan 5 MW-01.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th 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 Jordan 5 Reservoir

Parameter	Jordan 5 MW-01 Background Value (mg/L) (10/14/05)	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	409	≥ 2400	3000
Total Dissolved Solids (TDS)	930	≥ 4000	5000
pH	8.0	≤ 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 15th 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. In addition, the accompanying analytical laboratory reports must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

END OF REVIEW

WDF/UW/jc/5-1293



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

December 1, 2005

Gene & Cheryl Dittus
605 Vivian Street
Gillette, WY 82718

RE: Dittus Home Septic System, Permit # 05-639

Dear Gene:

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 December 1, 2006.

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: IPS, Cheyenne

Crook County Clerk, P.O. Box 37, Sundance, WY 82729
Town of Pine Haven, 24 Waters Drive, Pine Haven, WY
Vince Waters, NEWSO, 647 McKean Rd., Moorcroft, WY 82721

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



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 21, 2005

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

RE: Sewer main extension for 3535 & 3547 Ridge Road, Application No.05-640, 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 Sewage Collection Systems described as 238 ft of 8" diameter PVC sewer main and one new manhole, SW 1/4 Section 27 T14N R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by 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. 05-640 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/5-1264.ltr

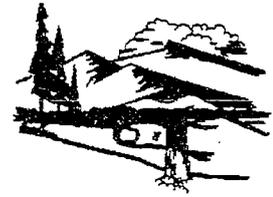
cc: IPS Cheyenne

R. Scott Cowley, A.V.I. p.c.
2035 Westland Road
Cheyenne WY 82001





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 21, 2005

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

RE: Storey Acres Water and Sewer Extensions, Application No.05-641, 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 1700 ft of 8" diameter water line, valves, 5 fire hydrants, and 925 ft of 8" diameter sewer line with manholes, NW 1/4 Section 19 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, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 05-641 in any future correspondence.

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

Sincerely,

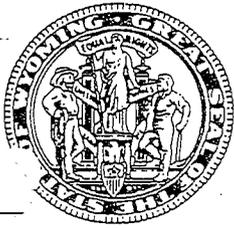
Louis B. Harmon PE-PG
Southeast District Engineer
Water Quality Division

LBH/bb/5-1265.ltr

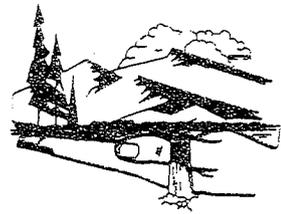
cc: IPS, Cheyenne

Bruce Perryman, A.V.I. p.c.
2035 Westland Road
Cheyenne WY 82001





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

July 31, 2006

Jim Skovgard
P.O. Box 684
Laramie, Wyoming 82073

RE: Permit To Construct Application: **No. UIC 05-643**
Project: Chaparral Gardens Mobile Home Park: UIC Class V-5E3 Application

Action: **DENIED** Reason: Does Not Meet Chapter 16 and Chapter 11
Minimum Requirements

Dear Mr. Skovgard:

The above referenced application was submitted to the Wyoming Department of Environmental Quality (DEQ) / Water Quality Division (WQD) on November 15, 2005 on your behalf by the Sorensen Consulting, LLC firm. Upon analysis of the revised design, DEQ personnel found that the effect of groundwater mounding beneath the large leachfield had not been considered. The application site consists of unconsolidated material to a depth of 9 to 12 feet. Below this material is a very hard confining claystone/siltstone bedrock which is continuous to a depth of at least 35 feet (the bottom of the bore holes). Using this information, Mr. Ewald of the WQD staff calculated the groundwater mounding on top of the 9 to 12 foot deep bedrock interface. An average daily flow of 3200gpd was used (60% of the 5350gpd design flow from Table 1 as per Section 36(c)(ii) of Chapter 11) along with the 13mpi site percolation rate and Figures 1 & 2 to interpolate and extrapolate an estimated groundwater mounding height of approximately 6.25 feet on top of the bedrock interface.

Since the leachfield trenches must be at least 2.5 feet deep, this leaves an average of 1.75 feet of unsaturated soil between the bottom of the leachfield trenches and the top

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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



of the groundwater mound. Chapter 11, Section 36(c)(ii) requires a minimum of 3 feet of unsaturated soil. Therefore, this application for a UIC Class V-5E3 permit is denied in accordance with Chapter 16 of the Water Quality Rules and Regulations, Sections 3 and 5(b)(i)(C).

If you should have any questions concerning this matter, please call either myself or Louis Harmon at (307) 777-7781.

Sincerely,



John V. Corra

Director

Wyoming Department of Environmental Quality

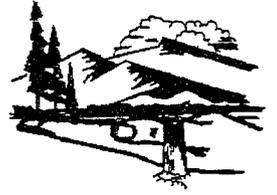
JVC/RLE/rm/6-0684

ORR 8/1/6

cc: John F. Wagner, Administrator, WQD
Paul C. Sorensen, P.E., Sorensen Consulting, LLC, 1901 Bear Court, Fort
Collins, Colorado 80525
Doug Bryant, Director, Albany County Planning Office, P.O. Box C, 405 Grand
Avenue, Laramie, Wyoming 82073



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 29, 2005

Troy Wiant, FFA Advisor
Cody High School
1225 10th Street
Cody, WY 82414

RE: Cody High School FFA Water & Sewer Lines, Permit Number: 05-644, Section 34, T53N, R101W, Park County

Dear Mr. Wiant:

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.

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

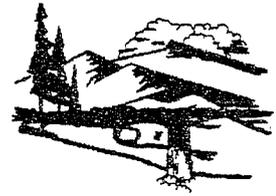
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 22, 2005

Mr. Edward Moreno, Partner
Moreno, LLC
2115 Vista Drive
Laramie, WY 82070

RE: Wyoming 12th Add. City of Laramie Water Line Extension, Application No.05-645,Albany County

Dear Mr. Moreno:

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 620 ft of 8" pvc water main and two new fire hydrants, NE 1/4 Section 4 T15N R73W; Albany County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All service connections will be protected by the appropriate backflow device as required by Chapter 12, Section 14(i) of the Water Quality Division Rules and Regulations. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 05-645 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

Lloyd Baker, Gertsch/Baker and Associates
215 Sout 3rd Street, Suite 110
Laramie, WY 82070

LBH/jc/5-1267

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

ADMIN/OUTREACH
(307) 777-7758
FAX 777-3610

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

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

INDUSTRIAL SITING
(307) 777-7369
FAX 777-6937

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

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

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



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

PERMIT NO. 05-646

Hartzog Draw: Multiple Reservoirs

This permit hereby authorizes the applicant:

CH4 Energy
Attn: Tom Roberts
PO Box 3799
Gillette, WY 82717

to have installed ten compliance monitoring wells according to the procedures and conditions of the application number 05-646. The facilities are proximal to the on channel coalbed methane produced water impoundments located in Townships 44 and 45 N, Ranges 74 and 75 W, Sections 30, 8, 19, 24, 27, 22, in the county of Campbell, in the State of Wyoming. All construction, installation, or modification allowed by this permit has been completed.

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

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

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

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

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

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

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

1 of 2: The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Program, 1866 South Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

2 of 2: Monitoring Requirements:

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

- Measurement of static water level and sampling and analysis of groundwater at downgradient well Camblin #1 MW-A, Pumpkin Buttes 32-8 MW-A, Pumpkin Buttes 44-19 MW-A, Camblin 33-24 MW-A, Pumpkin Buttes #4MW-A, Jordan #9 MW-A.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th of each year. The first set of data will be due by **April 15, 2006**.

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

Impoundment: Camblin #1

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

Impoundment: Pumpkin Buttes 32-8

Parameter	Pumpkin Buttes 32-8 MW-A Background Value (mg/L) (03/11/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	< 0.001 (ND)	≥0.16	0.2
Selenium	< 0.005 (ND)	≥0.04	0.05
Sulfate	847	≥2400	3000
Total Dissolved Solids (TDS)	1390	≥4000	5000
pH	7.9	≤6.5	6.5 – 8.5

Impoundment: Pumpkin Buttes 44-19

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

Impoundment: Camblin 33-24

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

Impoundment: Pumpkin Buttes #4

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

Impoundment: Jordan #9

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

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

Dec 19th 2005

Date of Issuance

WDF/UW/jc/5-1353



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: 05-646

SITE (POD) NAME: Hartzog Draw

APPLICANT: CH4 Energy
Attn: Tom Roberts
PO Box 3799
Gillette, WY 82717

CONSULTANT: States West Water Resources Corporation
Attn: Mr. Chris Jessen
201 West Lakeway Road, Suite 903
Gillette, WY 82718

LOCATION: Drainage: Tributaries of Fourmile Creek and North
Fourmile Creek, tributary to the Belle Fourche River
County : Campbell
Township 43 and 44 North; Range 74 and 75 West

DATE ON REPORT: November 14, 2005

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

DATE OF THIS REVIEW: December 16, 2005

ACTION: Compliance Monitoring Plan authorized for Hartzog Draw POD pursuant
to conditions on permit # 05-646

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description

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

Type of Impoundment(s)

1 "Off channel "
5 "On channel"

Groundwater Classification:

Class 1 (domestic) _____
Class 2 (irrigation) _____
Class 3 (agricultural) 6 Class III

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

1.2 Description of hydrology

The Hartzog Draw Unit is located in the Pumpkin Buttes area of the Powder River Basin. The surface geology is characterized mainly by the Wasatch Fm with some outcrops of the White River Fm. Strata in the project area dip to the north east as the result of a minor south-east trending anticline. Red sandstone (associated with Uranium deposits) has been mapped (Sharp, et.al, 1964, USGS Bulletin 1107-H) in the western portion of the project area. Data from this project implies that shallow sands encountered east of this "contact" are hydraulically connected to the red sandstone and, for the purposes of this permitting action, are one hydrogeologic unit.

Camblin #1: No additional monitoring wells will be required at this location because the water bearing zone is unconfined and the groundwater gradient has been adequately defined.

- # Capacity: 39.22 ac-ft
- # Contributing drainage area: 2.7 sq mi
- # On channel
- # First water bearing zone: unconsolidated sand, unconfined
- # First water encountered at: 12 ft bgs
- # Static water level: 12 ft bgs
- # Class III groundwater

Pumpkin Buttes 32-8: No additional monitoring wells will be required at this location because the water bearing zone is unconfined and the groundwater gradient has been adequately defined.

- # Capacity: 3.1 ac-ft
- # Contributing drainage area: 1.1 sq mi
- # On channel
- # First water bearing zone: sand, cannot verify unconfined
- # First water encountered at: 40 ft bgs
- # Static water level: 40 ft bgs
- # Class III groundwater

Pumpkin Buttes 44-19: No additional monitoring wells will be required at this location because the water bearing zone is unconfined and the groundwater gradient has been adequately defined.

- # Capacity: 9.8 ac-ft
- # Contributing drainage area: 0.3 sq mi
- # On channel
- # First water bearing zone: sand, unconfined
- # First water encountered at: 42 ft bgs
- # Static water level: 41.44 ft bgs
- # Class III groundwater

Camblin 33-24: No additional monitoring wells will be required at this location because the water bearing zone appears to be only slightly confined and the groundwater gradient has been adequately defined.

- # Capacity: 10 ac-ft
- # Contributing drainage area: 0 sq mi
- # Off channel
- # First water bearing zone: not clear from log, slightly confined
- # First water encountered at: not indicated on log
- # Static water level: 12.9 ft bgs
- # Class III groundwater

Pumpkin Buttes #4: No additional monitoring wells will be required at this location because the water bearing zone appears to be unconfined and the groundwater gradient has been adequately defined.

- # Capacity: 12.94 ac-ft
- # Contributing drainage area: 0.14 sq mi
- # On channel
- # First water bearing zone: unconsolidated sand, unconfined
- # First water encountered at: log indicates moist at 9 ft bgs
- # Static water level: 12.5 ft bgs
- # Class III groundwater

Jordan #9: No additional monitoring wells will be required at this location because the water bearing zone appears to be unconfined and the groundwater gradient has been adequately defined.

- # Capacity: 103.75 ac-ft
- # Contributing drainage area: 4.9 sq mi
- # On channel
- # First water bearing zone: unconsolidated sand, unconfined
- # First water encountered at: 45 ft bgs
- # Static water level: 40.55 ft bgs
- # Class III groundwater

2.0 MONITORING AND REPORTING REQUIREMENTS

Names of Impoundments covered under Permit 05-646:

Impoundment Name	Capacity (acre/ft)	Type	GW Class	Qtr Qtr	Section	Township	Range
Camblin #1	39.22	On-channel	III	SENE	30	44	74
Pumpkin Buttes 32-8	3.06	On-channel	III	SWNE	8	43	74
Pumpkin Buttes 44-19	9.76	On-channel	III	SESE	19	44	74
Camblin 33-24	9.89	Off-channel	III	NWSE	24	44	75
Pumpkin Buttes #4	12.96	On-channel	III	NENE	27	44	75
Jordan #9	103.75	On-channel	III	NESW	22	44	75

Groundwater monitoring 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 Camblin #1 MW-A, Pumpkin Buttes 32-8 MW-A, Pumpkin Buttes 44-19 MW-A, Camblin 33-24 MW-A, Pumpkin Buttes #4 MW-A, and Jordan #9 MW-A.
- # Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th of each year. The first set of data will be due by April 15, 2006.
- # The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

Impoundment: Camblin #1

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

Impoundment: Pumpkin Buttes 32-8

Parameter	Pumpkin Buttes 32-8 MW-A Background Value (mg/L) (03/11/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	< 0.001 (ND)	≥0.16	0.2
Selenium	< 0.005 (ND)	≥0.04	0.05
Sulfate	847	≥2400	3000
Total Dissolved Solids (TDS)	1390	≥4000	5000
pH	7.9	≤6.5	6.5 – 8.5

Impoundment: Pumpkin Buttes 44-19

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

Impoundment: Camblin 33-24

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

Impoundment: Pumpkin Buttes #4

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

Impoundment: Jordan #9

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

Trigger values, specific to the groundwater samples at 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 15th 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.

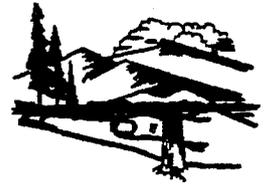
The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>).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

END OF REVIEW

WDF/UW/jc/5-1353



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

September 6, 2006

Mr. Eric Sandberg
Williams Production RMT Company
300 Works Avenue
Gillette, WY 82716

Subject: Application for Permit to Construct No. **05-647** Returned Without Action
All Night Creek VI, POD, Campbell County, Wyoming

Dear Mr. Sandberg:

Your application for a permit to construct no. **05-647** has been inactive for more than six months and withdrawn at your request. Consequently the application with all submitted documentation is being returned without action. Should you wish to proceed with the proposed project, a new application with the necessary supporting documentation as required by Chapters 3 and 11 of the Water Quality Division Rules and Regulations must be submitted.

A permit to construct has not been authorized for the monitoring wells 32-16-4374 MW-01 and 31-9-4374 MW-01. These wells shall be plugged and abandoned pursuant to Chapter 11, Section 7 Wyoming codes annotated within 60 days of receipt of this letter and a plugging record submitted to the WQD within 15 days after abandonment.

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

Sincerely,

Don Fischer
North District Program Principal
Groundwater Program

WDF/umw/

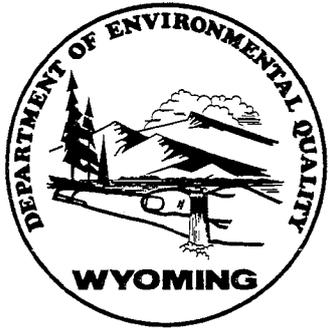
cc: Kevin Frederick, State Groundwater Program Supervisor, Cheyenne
Jason Thomas, WYPES Program, Cheyenne
Chris Boe, CBMA, Buffalo
Barb Barns, WDEQ/WQD Word Processing Specialist, Cheyenne

1866 SOUTH SHERIDAN AVENUE • SHERIDAN, WY 82801

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



Copy to
Barb Burns



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: 05-647

SITE (POD) NAME: All Night Creek VI, POD

APPLICANT: Williams Production RMT Company
Attn: Eric Sandberg
300 Works Avenue
Gillette, WY 82716

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

LOCATION: Drainage: An east-trending tributary drainage of All Night Creek (Dance Draw) and a northeast-trending tributary of Fourmile Creek (Grape Draw); both of these creeks drain to the Belle Fourche River.
County: Campbell
Township 43 North; Range 74 West; Section 7

DATE ON REPORT: October 24, 2005

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

DATE OF THIS REVIEW: November 28, 2005

ACTION: Compliance Monitoring Plan is not authorized for All Night Creek VI, POD. Additional data, as set forth in section 2.0 of this permit review, will be required prior to continued review and authorization of permit # 05-647

the local relief could together result in the hydrostratigraphic units (if laterally continuous) cropping out in their respective draws within approximately 1.24 and 1.6 miles downstream of the impoundments: and

2. Infiltrate from the impoundments would likely create a mounding effect and flow radially away from beneath the impoundments if it were to reach the water bearing zone.

Without knowing the attitude of the bedding in the hydrostratigraphic units and if groundwater seepage is evident in the downstream draws from the hydrostratigraphic units the first argument can not be accepted.

As for the second point, the seepage is likely to be very slow through the over lying confining layer and not likely to mound against a confining gradient.

Names of Impoundments (all are on-channel) covered under Permit 05-628

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range
32-16-4374	9.42	SWNE	16	43N	74W
31-9-4374	7.19	NENW	9	43N	74W

3.0 ADDITIONAL DATA REQUIRED:

In order to authorize a compliance monitoring program, two additional monitoring wells will be required at each impoundment location in order to determine the direction of groundwater flow. The wells should be located within 50 feet of the impoundment, if practicable, and position in a manner to triangulate the direction of groundwater flow. One of the three wells at each impoundment should subsequently be determined as the monitoring location for compliance with the permit.

END OF REVIEW



The State
of Wyoming

Department of Environmental Quality



Dave Freudenthal, Governor

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

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

NOTIFICATION OF COVERAGE

November 22, 20005

Michael Chambers, Northern Production Manager
Anadarko Petroleum Corporation
1201 Lake Robbins Drive
The Woodlands, TX 77380

RE: Hanna Draw CBM Water Treatment Facility Project Permit # 05-648

Dear Mr. Chambers:

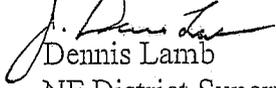
The above application for coverage under General Permit to Construct, Install, Modify or Operate a Pilot Plant in accordance with Section 5, Chapter 11, of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O. of the general permit.

The following item needs to be submitted to WDEQ/WQD:

1. As-built drawings of the project and date that CBM water treatment commences;
2. A monthly update on the pilot plants operations (water quality results raw and treated water), and any other applicable information regarding the operation of the pilot project facility and any changes/problems in the operation of the facility, and the quantity and type of chemicals used at the facility;
3. Documentation that all pits have been permitted and bonded by the applicable agency (Oil and Gas, BLM); and
4. Notification if the treated water is to be discharged through an WYPDES compliance point.

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

Sincerely,



Dennis Lamb

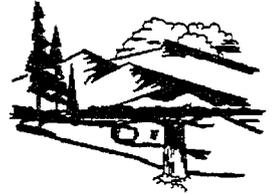
NE District Supervisor

DEQ/WQD



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

Dave Freudenthal, Governor

NOTIFICATION OF COVERAGE

November 29, 2005

Dorothy J. Overfield, Manager
Northwest Rural Water District
P.O. Box 2347
Cody, Wyoming 82414

RE: Northwest Rural Water District Treated Waterline Extension, Buchanan Park Subdivision Block 2, Line 278, Permit Number: 05-650, Section 9, T52N, R101W, Park County, PWS #WY5601254C

Dear Ms. Overfield:

The above application for coverage under General Permit to construct a treated water line, extension of a public water supply distribution system, consisting of 4,450 linear feet of 2-inch water line in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved.

You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general 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: Robert Overfield, P.E., Engineering Associates, P.O. Box 1900, 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

