



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 17, 2006

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

RE: Cheyenne Transit Bldg Water and Sewer Line Extensions, Application No.06-251, 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 the extension of an 8" sewer line, relocation of a 10" diameter water line and installation of a new fire hydrant, NE 1/4 Section 1 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. All construction, installation, or modification allowed by this notification of coverage shall be completed by July 13, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-251 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/jc/6-0420

cc: IPS, Cheyenne

Bruce Perryman AVI pc
2035 Westland Road
Cheyenne, WY 82001

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

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

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John Corra, Director

NOTIFICATION OF COVERAGE

May 9, 2006

Mr. David K. Dasher
Public Works Director
Town of Mountain View
405 N. Highway 414
Mountain View, WY 82939

RE: **Mountain View Water Loading Station, Permit No. 06-253; NE1/4 Section 24, T15N, R115W, Uinta County**

Dear Mr. Dasher:

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

You are authorized to construct, install or modify the facility 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

encl.: General Permit for Extensions to Existing Public Water Distribution 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

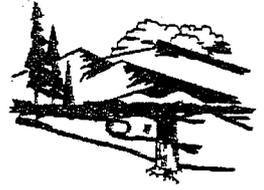




Dave Freudenthal, Governor

Department of Environmental Quality

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John Corra, Director

NOTIFICATION OF COVERAGE

April 19, 2006

Mark Mitchell
P.O. Box 912
Upton, WY 82730

RE: Mark Mitchell As-Built Septic System, Permit # 06-254

Dear Mark:

The above application for coverage under General Permit to Construct, Install, Modify or Operate extensions to or modifications of small wastewater septic 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. Our review of the information and as-constructed plan submitted to this office indicates that the application meets WDEQ/WQD regulations and this **As-Built Notice of Coverage is hereby issued. The septic is located in the SW1/4 of Section 8 in Township 47 North, Range 64 West.** Please be advised that the system must be operated in accordance with the statements, representations and procedures presented in the application and all supporting documentation as well as the terms and conditions of the permit. You are urged to be familiar with all aspects of the permit application, permit and permit conditions.

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
Ralph Goodson, PE, Bearlodge Ltd. Inc., P.O. Box 130, Sundance, WY 82729





Department of Environmental Quality



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John Corra, Director

NOTIFICATION OF COVERAGE

April 19, 2006

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

RE: Vic Bonogofsky's Fire Hydrant, Application No.06-255, Laramie County

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems described as fire hydrant connection to existing 8" main between 6th and 7th Avenues on Warren Avenue, NW 1/4 Section 30 T14N R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-255 in any future correspondence.

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

Sincerely,

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

cc: IPS, Cheyenne

Lawrence Gallagher, Summit Engineers, LLC
5907 Townsend Place
Cheyenne, WY 82009

LBH/jc/6-0331

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

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(307) 777-6145
FAX 777-6462

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

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

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

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

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 06-256

Glendo Lakeside RV Park – Public Water Supply System and Septic System
PWS: none yet

This permit hereby authorizes the applicant:

Nancy and Henry Taylor
P.O. Box 386
Glendo, Wyoming 82213

to construct, install or modify a public water supply (PWS) system consisting of two wells, disinfection equipment, and a distribution system & two commercial septic systems for domestic type waste consisting of septic tanks and leachfields (separated by 560 feet), according to the procedures and conditions of the application number 06-256. The facility is located in the SE1/4 of Section 4, T29N, R68W, in the county of Platte, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by August 7, 2008.

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

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

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

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

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

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

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

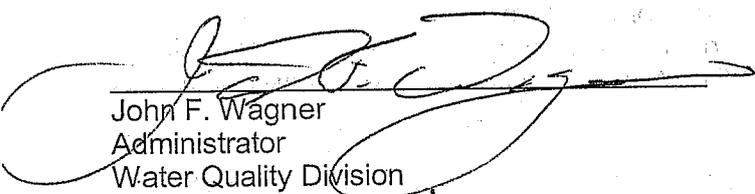
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

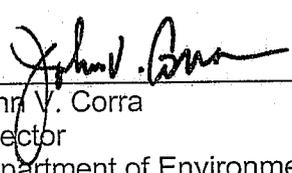
- 1 of 3. The applicant will provide immediate oral or written notice to the DEQ/WQD Southeast District Office at 122 West 25th Street, Herschler Building - 4W, Cheyenne, Wyoming 82002, (307) 777-7781, or FAX (307) 777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

- 2 of 3. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Southeast District office a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

8/8/06
Date of Issuance

RLE/rm/6-0712

cc: ORS 8/7/06 Platte County Planner, Marlin Johnson, P.O. Box 728, Wheatland, Wyoming 82201

STATEMENT OF BASIS

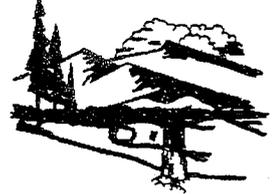
1. Permit Number: 06-256
2. Application reviewed for compliance with the following regulations :
Chapter(s) 3, 11, 12, and 16 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?
COMPLY: YES - Section 17 of Chapter 3 states that, " - - -, small wastewater systems, - - -, are Specifically exempt from the requirements of Section 17."
4. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3 Section 17: NOT Required
5. Documentation of Statement of Basis: The archives file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Ronald L. Ewald, P.E., rewald@state.wy.us, Environmental Senior Analyst, and completed on August 7, 2006. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 15, 2006

B.J. Alameda
P.O. Box 1622
Saratoga, Wyoming 82331

RE: Alameda Residential Septic System,
Location: NW¼, Section 5, T17N, R83W,

Application No. **06-257**
Carbon County

Dear Mr. Alameda:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **4 bedroom** house in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific condition also applies:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on May 15, 2008. Please reference Application Number **06-257** in any future correspondence.

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ADMIN/OUTREACH
(307) 777-7758
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ABANDONED MINES
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FAX 777-6462

AIR QUALITY
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FAX 777-5616

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

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

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

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



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

Sincerely,

A handwritten signature in cursive script that reads "Ronald L. Ewald".

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

RLE/jc/6-0398

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Carbon County Interim Planning Director, Kristy Rowan, 215 W. Buffalo Street,
#304, P.O. Box 487, Rawlins, Wyoming 82301



Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 21, 2006

Warren Thompson
585 Fremont Street
Lander, WY 82520

RE: Warren Thompson's Water Distribution Line off of Goodrich Road, Permit Number: 06-258, Section 19, T33N, R100W, Fremont County

Dear Mr. Thompson:

The above application for coverage under General Permit to install 1,020 linear feet of 6-inch diameter PVC water line, including two gate valves and a fire hydrant, for residential use and fire suppression has been reviewed in accordance with Chapter 3, Section 7; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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

Sincerely,

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

xc: IPS, Cheyenne
Hugh W. Lowham, P.E., Lowham Engineering LLC, 205 South Third St., Lander, WY 82520
Mickey Simmons, City of Lander, 240 Lincoln, Lander, WY 82520

encl: General Permit For a Public Water Supply System

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

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(307) 332-5085
FAX 332-7726

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FAX 332-7726

LAND QUALITY
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FAX 332-7726

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

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



**REVIEW OF PLANS & SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION**

PROJECT: Pennaco Energy Rucki 15 POD CBM Water Treatment and Land Application

ENGINEER: Jack Fritz, PE., WWC Engineering, 1849 Terra Avenue, Sheridan, WY 82801

APPLICANT: Pablo Velasquez, Operations Manager, Pennaco Energy, 3601 Southern Drive, Gillette, WY 82718

WATER QUALITY DIVISION APPLICATION NUMBER: 06-261

REVIEWING ENGINEER: Dennis Lamb, P.G., Kim Medina, P.G.

DATE OF REVIEW (1): April 24, 2006

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. In accordance with Section 14 (a), Chapter 3, Wyoming Water Quality Rules and Regulations (WWQRR), these applications are denied because they are incomplete. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with Section 9 of Chapter 3 of the WWQRR. If the applicant fails to provide the requested information within six months the incomplete applications shall be returned. This review may not include all deficiencies and shall not be construed as a complete comprehensive list.

- 1) Under Section 6, Chapter 3, permit applications shall be sealed, signed and dated by a licensed professional engineer or geologist.
- 2) Please provide site-specific design of the gypsum water system.
- 3) Please provide signed landowner permission for the irrigation plan.
- 4) Please provide information on the type of vegetation to be irrigated.
- 5) Please provide information on influent water quality and expected treated water quality.
- 6) Please discuss site specific irrigation operations, including need for other soil amendments, irrigation scheduling, and monitoring during the irrigation season.
- 7) Please provide for an annual report of water and soil quality testing to ensure compliance with permit conditions.
- 8) Please provide information on reclamation and restoration activities.
- 9) Please discuss potential impacts to soil, vegetation, surface water, and groundwater from land application of treated CBM water.

MEMORANDUM

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

RE: Termination of Chapter 3 Permit 06-262,
WYPDES Permit: WY0054542

The Chapter 3 Permit 06-262, Beaver Creek Tietjen POD, has been terminated as requested by the operator. The only impoundment associated with this permit, Tietjen 13-17, received discharged for a period of two months and will no longer be used. As a result of the failure of this impoundment's dam (NOV and Order, Docket #4162-07), this site is scheduled for reclamation.

The design capacity of the Tietjen 13-17 was approximately 25 acre-feet. The groundwater investigation indicated the depth to water in the vicinity of this impoundment is at least 120 feet below the ground surface. The shallow geology consists of approximately 40 feet of unsaturated sandy material underlain by some 30 feet of shale.

Significant groundwater impacts are not anticipated considering the depth of the water bearing zone, the geometry of the shallow, subsurface geology and the limited time the impoundment was in use. Consequently, the monitoring well associated with this impoundment is no longer necessary.

A permit to construct is no longer authorized for the monitoring well: 13MWA-17. This well shall be plugged and abandoned pursuant to Chapter 11, Section 7 Wyoming codes annotated within 60 days of receipt of this letter and a plugging record submitted to the WQD within 15 days after abandonment.

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

Windsor Energy Group LLC

December 19th, 2007

WDEQ/WQD/Groundwater Program

Attn: Ursula Williams
1866 South Sheridan Avenue
Sheridan, WY 82801
(307) 673-9337

Subject: Compliance Monitoring Termination Request
Permit #06-262 – Beaver Creek Tietjen Plan of Development

Dear Ursula,

Windsor Energy Resources, Inc (Windsor) requests that the Permit-to-construct #06-262 currently held with the WDEQ Groundwater Program be terminated. Based on the Tietjen 13-17 off-channel impoundment dam failure on October 3rd 2007 (NOV and Order, Docket #4162-07), Windsor has been in communication with the governing agencies and will be reclaiming the location. Accordingly, the groundwater compliance monitoring of the associated monitor well, 13MWA-17, falls under your jurisdiction. For safety reasons due to its proximity (see attached photo documentation), no compliance sampling of this monitor well has occurred since the dam failure.

For information concerning the event, please reference the attached Incident Report and NOV.

Please let me know if there are any additional concerns or questions.

Sincerely,



Alan Schultz
Windsor Energy Resources, Inc.
Sheridan Field Office
Cell: (307) 751-6028
Office: (307) 674-6943
Fax: (307) 674-6949
PO Box 6497
Sheridan, WY 82801
aschultz@windsorenergy.com



Enclosures

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

PERMIT NO. 06-262

Beaver Creek Tietjen, Plan of Development (POD)

This permit hereby authorizes the applicant:

Windsor Energy Group, LLC
847 Coffeen Ave
Sheridan, WY 82801

to have installed one compliance monitoring well according to the procedures and conditions of the application number 06-262. The facilities are proximal to the off-channel coal bed methane produced water impoundment located in Township 54N, Range 79W, Section 17 in the county of Sheridan, in the State of Wyoming. The WYPDES Permit Number is in review. 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 well 13MWA-17.
- 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 July 15, 2006.

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

**Impoundment 13-17
WYPDES # In Review**

Parameter	13MWA-17 Background Value (mg/L) (12/08/05)	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	680	≥ 2400	3000
Total Dissolved Solids (TDS)	1660	≥ 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:



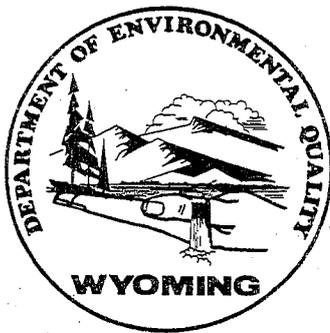
John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

5/18/06
Date of Issuance

WDF/TW/jc/6-04011



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

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

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 06-262

SITE (POD) NAME: Beaver Creek Tietjen POD

APPLICANT: Windsor Energy Group, LLC
Attn.: Ms. Patsy Ballek
847 Coffeen Ave
Sheridan, WY 82801

CONSULTANT: SWCA Environmental Consultants
Attn.: Todd Kohler
1043 Coffeen Ave- Suite C
Sheridan, WY 82801

LOCATION: Drainage: Off-Channel impoundment in Town Draw a northwest trending tributary to Clear Creek a northeast trending tributary to the Powder River
County: Sheridan
Township 54 North; Range 79 West; Section 17

WYPDES No: Discharge Permit # In Review

DATE ON REPORT: April, March 16, 2006 & May 9, 2006

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

DATE OF THIS REVIEW: May 9, 2006

ACTION: Compliance Monitoring Plan authorized for Beaver Creek Tietjen POD pursuant to conditions on permit # 06-262

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Town Draw a northwest trending tributary to Clear Creek a northeast trending tributary to the Powder River

Type of Impoundment(s)

1 "Off channel "
 "On channel"

Groundwater Classification:

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

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

1.2 Hydrogeology and Review:

An initial well, 13MWA-17, was drill below the 13-17 pit site and encountered groundwater at 136 feet bgs in a dark grey carbonaceous shale. The static water level stabilized at 120 feet bgs. Two additional monitoring wells were drilled too determine the direction of groundwater flow. These wells were dry to 150 feet. Monitoring well 13MWA-17 will be used as the compliance monitoring point.

Description of the impoundment covered under Permit 06-262:

Impoundment Name	GW Classification	Capacity (acre/ft)	Type	Qtr Qtr	Section	Township	Range
13-17	Class III	25.03	Off-channel	SWSW	17	54 N	79W

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 13MWA-17.
- 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 July 15, 2006.

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

**Impoundment 13-17
WYPDES # In Review**

Parameter	13MWA-17 Background Value (mg/L) (12/08/05)	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	680	≥ 2400	3000
Total Dissolved Solids (TDS)	1660	≥ 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/TW/jc/6-0410



Department of Environmental Quality

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

AW
8/8/06
Barb

Dave Freudenthal, Governor

John Corra, Director

August 3, 2006

Mr. Al Erwin
Ringwood Gathering Company
810 Houston Street
Fort Worth, TX 76102

Re: Ringwood Gathering Company, Amos Reservoir: Hartzog Draw Belle Fourche POD,
Campbell County, WY

Dear Mr. Erwin:

The Wyoming Department of Environmental Quality (WDEQ), Water Quality Division, Groundwater Program has, at your request, terminated the application for the Amos Reservoir which was being reviewed under Permit Number 06-263.

Within 60 days after receipt of this letter, the borehole(s) and/or monitoring well(s) that were installed to determine groundwater quantity/quality or direction of groundwater flow shall be plugged and abandoned pursuant to Wyoming Water Quality Rules and Regulations Chapter 11, Part G, Section 70. A plugging and abandonment record shall be submitted to the WDEQ, WQD, Sheridan office within 15 after the abandonment has occurred.

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

Sincerely,

Don Fischer
North District Groundwater Program Principal

CC: ✓ Barbara Barns, IPS, Cheyenne
David J. Nicolarsen, Pearl Development Company, Sheridan, WY

1866 SOUTH SHERIDAN AVENUE • SHERIDAN, WY 82801

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 06-264R

Signal Mountain Lagoon's Sludge Drying Bed and Septic Vault Receiving Station

This permit hereby authorizes the applicant:

Thayne O'Brien, Contracting Officer
National Park Service - Grand Teton National Park
Post Office Drawer 170
Moose, WY 83012

to construct a sludge drying bed and septage receiving station to treat sludge in the wastewater lagoon system at Signal Mountain, Grand Teton National Park; according to the procedures and conditions of the application number 06-264R. The facility is located within Section 35, Township 46 North and Range 115 West in the county of Teton, in the State of Wyoming. All construction, installation; or modification allowed by this permit shall be completed by May 11, 2008.

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

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

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

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

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

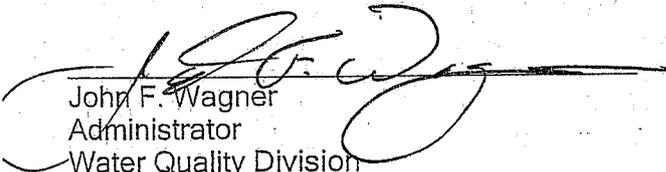
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

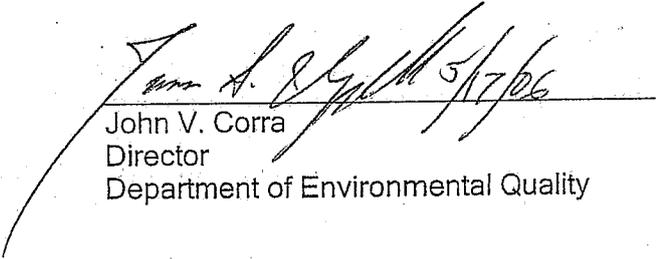
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 250 Lincoln Street, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

5/18/06
Date of Issuance

JSB/jsb/jc/6-0386

JSB 5/11/06

STATEMENT OF BASIS

1. Permit Number: 06-264R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above? Yes
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Sewerage systems are exempted from review by Chapter 3, Section 17.
6. Documentation of Statement of Basis: The archives file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, jbroug@state.wy.us, Environmental Engineer and completed on May 11, 2006. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

Xc: Bob Wemple, Grand Teton National Park, P.O. Box 170, Moose, WY 83012



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 17, 2006

Mr. Phillip Harris, Vice President for Administration
University of Wyoming
Dept 3314, 1000 East University Ave
Laramie, WY 82071

RE: UW Plaza Water and Sewer Extensions, Application No.06-265,Albany County

Dear Mr. Harris:

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 2150 feet of 12" diameter water main, 1281 feet of 8" water main, fire hydrants, and two 8" diameter sewer service lines, SE 1/4 Section-34 T16N R73W; Albany County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the 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(l) of the Water Quality Division Rules and Regulations. All construction, installation, or modification allowed by this notification of coverage shall be completed by August 18, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-265 in any future correspondence.

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

Sincerely,

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

LBH/bb/6-0741.NOC

cc: IPS, Cheyenne
Daryl Jensen, Trihydro Corp
1252 Commerce Drive
Laramie WY 82070

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

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

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

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

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

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

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

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



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

PERMIT NO. 06-266

East Bullwhacker Phase I, Plan of Development (POD)

This permit hereby authorizes the applicant:

Williams Production RMT Company
300 Works Avenue
Gillette, WY 82716

to have installed six compliance monitoring wells according to the procedures and conditions of the application number 06-266. The facilities are proximal to the on channel coal bed methane produced water impoundments located in Township 43N, Range 76W, Sections 20, 30, 31, and 32, 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, 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 MW24-31, MW42-31, MW32A, MW21-32B, MW23-30, and MW13-20.
- 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 July 15, 2006.

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

Impoundment P24-31-4376

Parameter	MW24-31 Background Value (mg/L) (10/20/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	619	≥ 2400	3000
Total Dissolved Solids (TDS)	1150	≥ 4000	5000
pH	7.2	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment P23-31-4376

Parameter	MW23-31 Background Value (mg/L) (10/20/05)	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	646	≥ 2400	3000
Total Dissolved Solids (TDS)	1210	≥ 4000	5000
pH	6.99	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment P42-31-4376

Parameter	MW42-31 Background Value (mg/L) (10/20/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	524	≥ 2400	3000
Total Dissolved Solids (TDS)	1020	≥ 4000	5000
pH	7.1	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment P21-32-4376

Parameter	MW21-32B Background Value (mg/L) (10/20/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1310	≥ 2400	3000
Total Dissolved Solids (TDS)	2190	≥ 4000	5000
pH	7.31	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment P23-30-4376

Parameter	MW23-30 Background Value (mg/L) (10/20/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.015 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1480	≥ 2400	3000
Total Dissolved Solids (TDS)	2560	≥ 4000	5000
pH	7.35	≤ 6.5	6.5 – 8.5 (s.u)

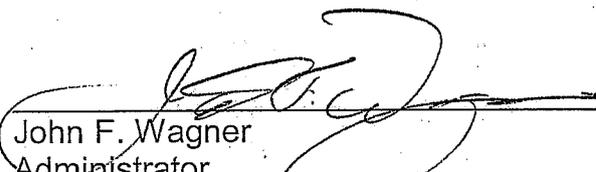
Impoundment P13-20-4376

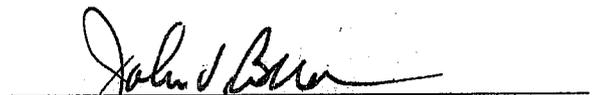
Parameter	MW13-20 Background Value (mg/L) (10/20/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	916	≥ 2400	3000
Total Dissolved Solids (TDS)	1510	≥ 4000	5000
pH	7.46	≤ 6.5	6.5 – 8.5 (s.u)

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

4/28/06
 Date of Issuance
 TW/jc/6-0348



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

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

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 06-266

SITE (POD) NAME: East Bullwhacker Phase I POD

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

CONSULTANT: WWC Engineering
Attn: Mr. Ben Schiffer
1849 Terra Avenue
Sheridan, WY 82801

LOCATION: Drainage: Unnamed tributary to the Dry Fork of the Powder River and Unnamed tributaries to Seventeenmile and Cottonwood Creeks both tributaries to the Dry Fork

County: Johnson
Township 43 North, Range 76 West, Sections 20, 30, 31, & 32

DATE ON REPORT: April 21, 2006

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

DATE OF THIS REVIEW: April 25, 2006

ACTION: Compliance Monitoring Plan authorized for East Bullwhacker Phase I, POD pursuant to conditions on permit # 06-266

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Unnamed tributary to the Dry Fork of the Powder River and Unnamed tributaries to Seventeenmile and Cottonwood Creeks both tributaries to the Dry Fork

Type of Impoundment(s)

“Off channel “

6 “On channel”

Groundwater Classification:

Class 1 (domestic) _____

Class 2 (irrigation) _____

Class 3 (agricultural) 6

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

1.2 Hydrogeology and Review:

Groundwater occurs in monitoring well 24-31-4376 in an unconfined aquifer at a depth of 42 feet below ground surface (bgs), in an unconsolidated valley fill material approximately 66 feet thick. This well monitors impoundment P24-31.

The remaining monitoring wells for impoundments P23-31, P31-31, P21-32, P23-30 and P13-20 are all completed in confined sandstone aquifers. Only monitoring wells 31-31, 31-31A and 23-31 are completed in the same aquifer indicating a direction of flow to the northwest. The other aquifers have varying flow directions and the proper monitoring well has been selected for each based on the data from additional wells.

Names of Impoundments covered under Permit 05-628

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range
P24-31-4376	8.7	SESW	31	43	76
P23-31-4376	17.1	NESW	31	43	76
P42-31-4376	18.4	SENE	31	43	76
P21-32-4376	10.4	NENW	32	43	76
P23-30-4376	9.7	NESW	30	43	76
P13-20-4376	16.6	NWSW	20	43	76

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 MW24-31, MW42-31, MW32A, MW21-32B, MW23-30, and MW13-20.
- 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 July 15, 2006.

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

Impoundment P24-31-4376

Parameter	MW24-31 Background Value (mg/L) (10/20/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	619	≥ 2400	3000
Total Dissolved Solids (TDS)	1150	≥ 4000	5000
pH	7.2	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment P23-31-4376

Parameter	MW23-31 Background Value (mg/L) (10/20/05)	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	646	≥ 2400	3000
Total Dissolved Solids (TDS)	1210	≥ 4000	5000
pH	6.99	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment P42-31-4376

Parameter	MW42-31 Background Value (mg/L) (10/20/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	524	≥ 2400	3000
Total Dissolved Solids (TDS)	1020	≥ 4000	5000
pH	7.1	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment P21-32-4376

Parameter	MW21-32B Background Value (mg/L) (10/20/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1310	≥ 2400	3000
Total Dissolved Solids (TDS)	2190	≥ 4000	5000
pH	7.31	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment P23-30-4376

Parameter	MW23-30 Background Value (mg/L) (10/20/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.015 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1480	≥ 2400	3000
Total Dissolved Solids (TDS)	2560	≥ 4000	5000
pH	7.35	≤ 6.5	6.5 – 8.5 (s.u)

Impoundment P13-20-4376

Parameter	MW13-20 Background Value (mg/L) (10/20/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.005 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	916	≥ 2400	3000
Total Dissolved Solids (TDS)	1510	≥ 4000	5000
pH	7.46	≤ 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

TW/jc/6-0349



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 09, 2006

Ron Kobbe, Construction Specialist
B.P. America
14421 Weld County Road 10
Houston, TX 77079-2696

RE: B.P. America Jonah Field Man Camp - Permit Number 06-267R, W1/2 W1/2 Sec 26
T29,R107, Sublette County, WY

Dear Ron Kobbe:

The above application for coverage under General Permit to Construct a small wastewater treatment facility consisting of a 2000 gallon septic tank with 1000 gallon compartments and multiple trench infiltrators to serve a three bedroom home and a 2 bedroom quest house, 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, 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,

Perry Roberson
Environmental Senior Analyst
Water Quality Division

Mark Baron P.E.
Southwest District Engineer
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





The State
of Wyoming

Department of Environmental Quality



Dave Freudenthal, Governor

3030 Energy Lane • Suite 200 • Casper, Wyoming 82604

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

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

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

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

NOTIFICATION OF COVERAGE

June 7, 2006

Mr. Michael G. Pexton
Yellow Creek Ranch Co.
170 Yellow Creek Road Suite C
Evanston, WY 82930

RE: Red Hawk 1st Addition, Application No. 06-268

Dear Mr. Pexton:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Public Water Supply Distribution Systems in accordance with Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations and for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V. Section O. of the general permits.

If you have any questions, please contact me at 307-473-3471.

Sincerely,

Kevin J. Frank

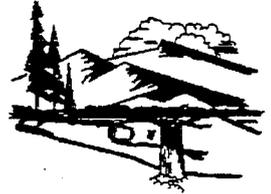
Kevin J. Frank, PE
Senior Analyst
Water Quality Division

cc: IPS, Cheyenne



Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 27, 2006

Attn: Curtis Ryan
Upland Development, Inc.
P.O. box 85
Cody, WY 82414

RE: Upland Subdivision's Water & Sewer Lines, Permit Number: 06-269, Section 28, T53N, R101W, Park County

Dear Mr. Ryan:

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: PS, Cheyenne
James G. Evan, 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
(307) 332-3047
FAX 332-7726

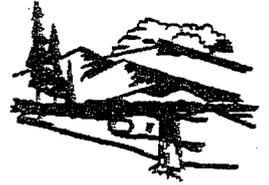
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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

May 19, 2006

Tim Ingalls
PO Box 344
Beulah, WY 82712

RE: Tim & Christina Septic System, Permit # 06-270

Dear Tim and Christina:

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 May 1, 2007.

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

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

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

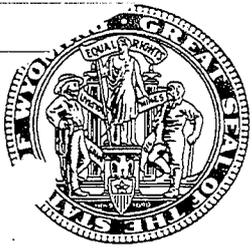
Sincerely,

Rick J. Estes, P.E.

WDEQ/WQ NE District Senior Environmental Analyst

cc: IPS, Cheyenne
Crook County Clerk, P.O. Box 37, Sundance, WY
Dennis Page, PAGE ETC, 706 E. Illinois, Spearfish, SD





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 15, 2006

Ray Bremer
2153 West Basin
Wheatland, Wyoming 82201

RE: Ray Bremer Residential Septic System,
Location: SE¼, Section 5, T23N, R68W,

Application No. **06-271**
Platte County

Dear Mr. Bremer:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **4 bedroom** house in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific condition also applies:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on May 15, 2008. Please reference Application Number **06-271** in any future correspondence.

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

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

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

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

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

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

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

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



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

Sincerely,



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

RLE/jc/6-0400

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Bob Bauer, 5 North Hightower Road, Wheatland, Wyoming 82201
Platte County Planner, Marlin Johnson, P.O. Box 728, Wheatland, Wyoming 82201



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 15, 2006

Scott Obertal
119 YO Ranch Road
Wheatland, Wyoming 82201

RE: Scott Obertal Residential Septic System,
Location: SW¼, Section 19, T24N, R67W,

Application No. **06-272**
Platte County

Dear Mr. Obertal:

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

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on May 15, 2008. Please reference Application Number **06-272** in any future correspondence.

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ADMIN/OUTREACH
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FAX 777-3610

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FAX 777-6462

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

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

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

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

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



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

Sincerely,

A handwritten signature in cursive script that reads "Ronald L. Ewald".

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

RLE/jc/6-0401

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Bob Bauer, 5 North Hightower Road, Wheatland, Wyoming 82201
Platte County Planner, Marlin Johnson, P.O. Box 728, Wheatland, Wyoming 82201



Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 28, 2006

Attn: Jerry Thiel, President
Jerry Thiel & Sons
P.O. Box 1566
Cody, WY 82414

RE: Thiel (Lot 3-1 Van Vleet Addition) Planned Unit Development's Water & Sewer Lines, Permit Number: 06-273, Section 33, T53N, R101W, Park County

Dear Mr. Thiel:

The above application for coverage under General Permit to install 365 linear feet of 8-inch water distribution line, extension of a public water supply system, and 430 linear feet of 8-inch sanitary sewer line, extension of a sewage collection system, to serve 10 residential connections has been reviewed in accordance with Chapter 3, Section 7; Chapter 11, Section 9; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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

Sincerely,

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

xc: PS, Cheyenne
Heather Christensen, P.E., Graham, Dietz, & Associates, P.O. Box 338, 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

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FAX 332-7726

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(307) 332-6924
FAX 332-7726

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 06-274RR

REFERENCE NO.06-236RR

Copperleaf Subdivision Water Supply, Treatment, Storage, and Booster Pumping Systems

This permit hereby authorizes the applicant:

Robert Kudelski
Worthington Group of Wyoming, LLC
P.O. Box 236
Wapiti, WY 82450

to install a surface water infiltration gallery, raw water pumps and pipeline; three water supply wells, pumps, and transmission lines; raw water treatment including microfiltration; disinfection; three 35,000 gallon finished water storage tanks; a booster pump system; and all specified controls and alarms according to the procedures and conditions of the application number 06-274RR. The facilities are located within the N ½ Section 22, Township 52 North and Range 105 West in the county of Park, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 5, 2011.

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

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

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

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

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

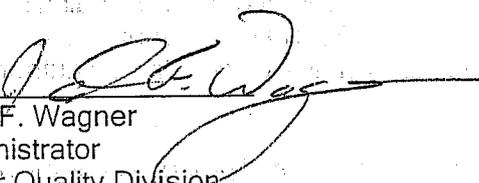
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

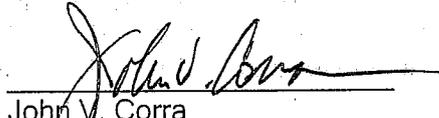
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 6 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (DEQ/WQD), Northwest District Engineer, 250 Lincoln Street, 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 Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 6 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 4 of 6 Due to the complexity of these facilities, the permittee and their successors must employ licensed operators meeting the requirements of Chapter 5 of the Wyoming Water Quality Rules and Regulations.
- 5 of 6 The permittee must submit draft and final Operations and Maintenance (O&M) manuals meeting the schedule and requirements of Chapter 12, Section 16, of the Wyoming Water Quality Rules and Regulations.
- 6 of 6 All well test data will be provided to the DEQ/WQD Northwest District Engineer within 30 days of completion of the wells and receipt of analytical data.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

DRK 10/10/06
October 5, 2006
Date of Issuance
JCH/rm/6-0918

STATEMENT OF BASIS

1. Permit Number: 06-274RR
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above? yes
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.

Yes

The microfiltration system and on-site generation of chlorine is not addressed in Chapter 12. As such, a Section 5 review was done to verify that the data obtained from full scale, comparable installations demonstrated the acceptability of the design.

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Jeff Hermansky, jherma@state.wy.us, NW District Engineering Supervisor and completed on October 5, 2006. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

xc: Debra Wendtland, Wendtland & Wendtland LLP

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 06-275

Reference Permit No. 05-712R

Calpet Cells 6, 7 and 8 - Sublette County

ARCHIVES

This permit hereby authorizes the applicant:

Garry Ellingford, Owner
Calpet, LLC
P.O. Box 173
Evanston, WY 82931-0173

to construct three commercial, subtitle C resource conservation and recovery act (RCRA) exempt, oil and gas exploration waste disposal cells, consisting of cell #6 with 960,109 barrels of capacity, cell # 7 with 1,272,517 barrels of capacity and cell #8 with 2,052,566 barrels of capacity, permitted to receive liquid and solid wastes, according to the procedures and conditions of the application number 06-275. The facility is located at SW1/4 Section 21, NW 1/4 Section 27, NE 1/4 Section 28, 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 July 21, 2008.

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

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

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

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

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

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

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

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

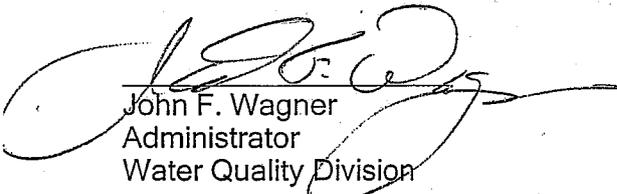
- 1 of 14 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadow View Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, 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 14 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 14 This facility is permitted to treat exempt oil and gas field exploration and production wastewater and solids.
- 4 of 14 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 14 Validity of this permit is subject to the owner maintaining a bond acceptable to the State of Wyoming DEQ/WQD for the amount of the estimated treatment facility closure and post-closure costs. Irrevocable Letter of Credit No. 169 in the amount of Six Hundred Seventy Eight Thousand Dollars (\$678,000.00) has been accepted as the reclamation performance bond covering this site. Bonding is subject to review on an annual basis. The closure of this facility shall be in compliance with the submitted plan and Chapter 14 of the Wyoming Water Quality Rules and Regulations, unless the DEQ/WQD determines additional remediation of the site and/or waters of the state are required.

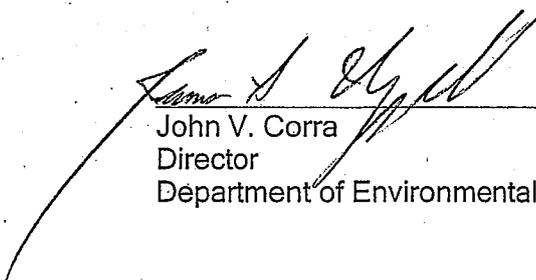
- 6 of 14 The leak detection system inspection pipes are to be checked weekly for the first month and monthly thereafter with a log kept of the inspection results. If fluid is found, the DEQ/WQD Southwest District is to be notified immediately, and samples are to be pulled from the inspection pipes and the evaporation cell(s) and tested for total petroleum hydrocarbons (TPH) by EPA method 8015 (modified for gasoline and diesel range hydrocarbons), chlorides, total dissolved solids (TDS), and sulfates. Results are to be reported to the DEQ/WQD as soon as they are available.
- 7 of 14 If fluid is found in the leak detection system, and a leak is verified by observation or sampling and testing, the fluid recirculating system shall be activated to minimize the fluid level under the pond liner and the chance for migration of the fluid to groundwater, until repairs and/or corrective action can be taken.
- 8 of 14 If a leak in the primary liner of a cell is confirmed, the following monitoring, reporting and repair actions are required:
1. High level alarms on the recirculating leak detection system sumps shall be continuously monitored.
 2. The totalizing hour meters shall be read at least weekly.
 3. If the recovery rate exceeds 400 gallons per day per acre (gpd/acre) for any sub-cell as delineated by the recovery system, the permittee shall notify the DEQ/WQD within seven (7) days. Repair of the primary liner must be scheduled within 12 months.
 4. If the recovery rate exceeds 800 gpd/acre for any sub-cell as delineated by the recovery system, the DEQ/WQD shall be notified within 48 hours. Repair of the primary liner must be scheduled within 60 days.
 5. If the high level alarm level is reached, the DEQ/WQD shall be notified immediately. Repair of the primary liner must be initiated immediately.
- If fluids are detected in the leak detection system and there is a threat of contamination to groundwater, the DEQ/WQD may require periodic sampling and testing of the groundwater monitoring wells. Required sampling and testing parameters and frequency will be determined by the DEQ/WQD.
- 9 of 14 Fluids in the three evaporation cells are to be sampled and analyzed separately according to monitoring schedule C of this permit.
- 10 of 16 Groundwater in the seven monitoring wells is to be sampled and analyzed separately according to monitoring schedule B of this permit.
- 11 of 16 Initial baseline groundwater quality in the seven monitoring wells is to be sampled and analyzed according to monitoring schedule A of this permit.
- 12 of 16 The south end of cell #6 is to be covered inward with about 150 feet of netting or screen and from side to side to prevent the entry of birds and/or other wildlife. The netting or screen shall be constructed so it remains intact and above the surface of the liquid in cell #6 even during winds up to 80 mph and/or when weighted with snow, ice or rain.

To protect birds and other wildlife, evaporation cells shall be kept virtually oil free at all times, or shall be completely netted or screened to the standards required for the south end of cell # 6. All waste oils, water and solids received by this facility shall be treated in the receiving and pretreatment cell # 6 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.

- 13 of 16 a) A 1 foot thick compacted clay liner with a max permeability of 1×10^{-5} cm/sec under the second high-density polyethylene liner is required.
- b) The compacted clay liner shall meet the following criteria: The tests for water content and density shall be taken during the placement of each lift of the liner. A total minimum liner thickness of one (1) foot shall be provided and shall be constructed with maximum lifts of one-half (0.5) foot. Either permeability testing of undisturbed core samples from the in-place seal, or detailed tests such as particle size distribution and Atterburg limits shall be conducted. Detailed tests should confirm that the soil specified was used for liner construction. One (1) test shall be conducted per acre per lift. For core sampling of the in-place liner, one (1) core of the completed liner shall be tested per acre. The permittee shall provide the division written certification by a Wyoming registered professional engineer that the soil liner was constructed according to the permit and that final testing indicated results within the allowable limits established by the permit.
- 14 of 16 A security fence shall be maintained around the perimeter of all four disposal pits to prevent domestic life stock; wildlife and non- authorized humans from entering.
- 15 of 16 This facility is required to comply with the Wyoming Air Quality Standards and Regulations Chapter 2 Ambient Standards. Chapter 2, Section 11(a)(i) shall be the minimum basis for determining the adequacy of the proposed procedures and methods for controlling odors. Air Quality Standards are an enforceable condition of this permit.
- 16 of 16 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

7-25-06
Date of Issuance
MDB/rm/6-0657

WRS 7/25/6

STATEMENT OF BASIS

1. Permit Number: 06-275
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 based upon following the Chapter 20, Section 35 regulations in accordance with Section 5 of Chapter 11.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
These three disposal cells are to be lined with a primary 60-mil high-density polyethylene liner along with a secondary containment system consisting of a leak detection system back by a 60-mil high-density polyethylene liner over a 1-foot compacted clay liner. If a leak is detected, there is a recirculation system to return leaking fluids to the pond, thus reducing the hydrostatic head beneath the primary liner, and minimizing migration of the fluids to groundwater. There are also seven monitoring wells that will be used to monitor any groundwater impacts.
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, Program Principal and completed on July 21, 2006. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

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

Monitoring Schedule A -Initial Baseline Ground Water Quality Reporting Requirements For New Monitoring Wells for WDEQ/WQD Permit Number 06-275, Calpet, LLC, Sublette County. 7/21/2006.

Monitoring Locations	Parameter	Method	Frequency
1) All Monitoring wells. 2) If ground water is not detected a report must still be submitted quarterly. 3) Only during the first year of operation.	Aluminum	SW ¹ 6020	Quarterly ⁶
	Ammonia	A4500 NH3H	Quarterly
	Arsenic	SW 6020	Quarterly
	Barium	SW 6020	Quarterly
	Beryllium	SW 6020	Quarterly
	Boron	SW 6020	Quarterly
	Cadmium	SW 6020	Quarterly
	Chloride	SW 6020	Quarterly
	Chromium	SW 6020	Quarterly
	Cobalt	SW 6020	Quarterly
	Copper	SW 6020	Quarterly
	Cyanide	EPA ² 335	Quarterly
	Fluoride	EPA A4500 F-C	Quarterly
	Hydrogen Sulfide	EPA 376.1	Quarterly
	Iron	SW 6020	Quarterly
	Lead	SW 6020	Quarterly
	Lithium	SW 6020	Quarterly
	Manganese	SW 6020	Quarterly
	Mercury	SW 6020	Quarterly
	Nickel	SW 6020	Quarterly
	Nitrate	EPA 353.2	Quarterly
	Nitrite	EPA 353.2	Quarterly
	TPH ³ -Diesel	SW 8015 mod.	Quarterly
	TPH ⁴ -Gasoline	SW 8015 mod.	Quarterly
	Total Organic Halogens	SW 9020	Quarterly
	Phenol	EPA 420.2	Quarterly
	Selenium	SW 6020	Quarterly
	Silver	SW 6020	Quarterly
Sulfate	A4500-SO4E	Quarterly	
Schedule A - Continued on next page			

Monitoring Schedule A -Initial Baseline Ground Water Quality Reporting Requirements For New Monitoring Wells for WDEQ/WQD Permit Number 06-275, Calpet, LLC, Sublette County. 7/21/2006.

Monitoring Locations	Parameter	Method	Frequency
	TDS ⁵	EPA 160.1	Quarterly
	²²⁶ Radium -Alpha Emitting Isotopes	EPA 903.0	Quarterly
	Vanadium	SW 6020	Quarterly
	Zinc	SW 6020	Quarterly
	Potassium	SW 6020	Quarterly
	Sodium	SW 6020	Quarterly
	Calcium	SW 6020	Quarterly
	Magnesium	SW 6020	Quarterly
	pH	EPA 150.1	Quarterly
	Alkalinity	EPA 310.1	Quarterly
	Conductivity	EPA 120.1	Quarterly
	Ground Water Elevations	Based on Sea Level	Quarterly

- 1) SW- Solid Waste
- 2) EPA - Environmental Protection Agency
- 3) TPH-Diesel - Total Petroleum Hydrocarbons as Diesel
- 4) TPH-Gasoline -Total Petroleum Hydrocarbons as Gasoline
- 5) TDS - Total Dissolved Solids
- 6) Quarterly - Once every three months

Monitoring Schedule B -Quarterly Ground Water Quality Monitoring Well Reporting Requirements for WDEQ/WQD Permit Number 06-275, Calpet, LLC, Sublette County. 7/21/2006.

Monitoring Locations	Parameter	Method	Frequency
1) All seven monitoring wells are to be sampled quarterly 2) If ground water is not detected a report must still be submitted quarterly. 3) After the first year of operation.	Arsenic	SW 6020	Quarterly
	Barium	SW 6020	Quarterly
	Cadmium	SW 6020	Quarterly
	Chloride	SW 6020	Quarterly
	Chromium	SW 6020	Quarterly
	Iron	SW 6020	Quarterly
	Lead	SW 6020	Quarterly
	Mercury	SW 6020	Quarterly
	Nitrate	EPA 353.2	Quarterly
	Nitrite	EPA 353.2	Quarterly
	TPH -Diesel	SW 8015 mod.	Quarterly
	TPH-Gasoline	SW 8015 mod.	Quarterly
	Total Organic Halogens	SW 9020	Quarterly
	Phenol	EPA 420.2	Quarterly
	Selenium	SW 6020	Quarterly
	Silver	SW 6020	Quarterly
	Sulfate	A4500-SO4E	Quarterly
	TDS ⁵	EPA 160.1	Quarterly
	²²⁶ Radium -Alpha	EPA 903.0	Quarterly
	Potassium	SW 6020	Quarterly
	Sodium	SW 6020	Quarterly
	Calcium	SW 6020	Quarterly
	Magnesium	SW 6020	Quarterly
pH	EPA 150.1	Quarterly	
Alkalinity	EPA 310.1	Quarterly	
Conductivity	EPA 120.1	Quarterly	
Ground Water Elevations	Based on Sea Level	Quarterly	

Monitoring Schedule C - Annual Disposal Pit Contents Monitoring Reporting Requirements for WDEQ/WQD Permit Number 06-275, Calpet, LLC, Sublette County. 7/21/2006.

Monitoring Locations	Parameter	Method	Frequency
The following locations are required to be sampled separately annual for each of the listed parameters. 1) Cell #6 2) Cell #7 3) Cell #8	Arsenic	SW 6020	Annually
	Barium	SW 6020	Annually
	Calcium	SW 6020	Annually
	Cadmium	SW 6020	Annually
	Chloride	SW 6020	Annually
	Chromium	SW 6020	Annually
	Hydrogen Sulfide	EPA 376.1	Annually
	Iron	SW 6020	Annually
	Lead	SW 6020	Annually
	Mercury	SW 6020	Annually
	Nitrate	SW 6020	Annually
	Nitrite	SW 6020	Annually
	Purgeable Organics (VOCs) by GC/MS ¹	SW 8260B - Long List	Annually
	Semi - Volatile Organics (SVOCs) by GC/MS	SW 8270C	Annually
	Total Organic Halogens	SW 9020	Annually
	Selenium	SW 6020	Annually
	Silver	SW 6020	Annually
	Sulfate	SW 6020	Annually
	TDS	EPA 160.1	Annually
	²²⁶ Radium -Alpha Emitting Isotopes	EPA 903.0	Annually
	Potassium	SW 6020	Annually
	Sodium	SW 6020	Annually
	Magnesium	SW 6020	Annually
Alkalinity	EPA 310.0	Annually	
Conductivity	EPA 120.1	Annually	
pH	EPA 150.1	Annually	

1)GC/MS - Gas Chromatography/Mass Spectrometer

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

PERMIT NO. 06-276

Duck Creek Federal, Plan of Development (POD): Impoundments Reynolds 32-9 & 24-8

This permit hereby authorizes the applicant:

Southwestern Production Corp.
1675 Larimer Street, #820
P.O. Box 594
Denver, CO 80202

to have installed two compliance monitoring wells according to the procedures and conditions of the application number **06-276**. The facilities are proximal to the on channel coal bed methane produced water impoundments located in Township 38N, Range 72W, Sections 8 & 9, in the county of Converse, in the State of Wyoming. The WYPDES Permit Number is #0052264 with outfalls 003 & 004. All construction, installation, or modifications allowed by this permit have 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 facilities 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 facilities 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 facilities. The permittee, owner and operator are solely responsible for any liability arising from the construction or operation of the permitted facilities. 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 facilities are located or are 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 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; WW32-9, WW24-8B.
- Reporting results of quarterly monitoring and sampling to the department by January 15th, April 15th, July 15th, and October 15th of each year. The first set of data will be due by October 15, 2007.

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

Impoundment: Reynolds 32-9, WYPDES #0052264 (003)

Parameter	WW32-9 Background Value (mg/L) (4/6/05)	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	390	≥ 2400	3000
Total Dissolved Solids (TDS)	950	≥ 4000	5000
pH	8.0	≤ 6.5	6.5 – 8.5(s.u)

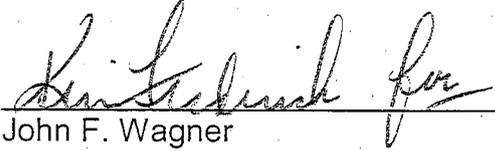
Impoundment: Reynolds 24-8, WYPDES #0052264 (005)

Parameter	WW24-8B Background Value (mg/L) (4/6/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.003	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	960	≥ 2400	3000
Total Dissolved Solids (TDS)	1780	≥ 4000	5000
pH	7.6	≤ 6.5	6.5 – 8.5(s.u)

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

9-26-07

 Date of Issuance

UMW/cs/7-0842



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

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

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 06-276

SITE (POD) NAME: Southwestern Production Corp., Duck Creek Federal POD,
Impoundments Reynolds 32-9-3872 & 24-8-3872

APPLICANT: Southwestern Production Corp
Attn. John Bettridge
1242 Eagle V1675 Larimer Street, #820
Denver, CO 80202

CONSULTANT: Western Land Services
Attn. Phil Turner
54 W. Seymour Street
Sheridan, Wyoming 82801

LOCATION: Drainage: Bear Creek, Dry Fork Cheyenne River
County: Converse
Township 38 North; Range 72 West;
Sections 8 & 9

WYPDES No: Discharge Permit #0052264 (003) & (005)

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

DATE OF THIS REVIEW: September 18, 2007

ACTION: Compliance Monitoring Plan authorized for Duck Creek Federal POD pursuant
to conditions on permit #06-276

UMW/cs/7-0842

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Bear Creek, Dry Fork Cheyenne River

Groundwater Classification:

Class 1 (domestic) _____

Class 2 (irrigation) _____

Class 3 (agricultural) (2) Reynolds 32-9-3872 & 24-8-3872

Basis for Classification: Laboratory analysis of groundwater indicates ambient water quality exceeds Water Quality Rules and Regulations Chapter 8 for Class I and II standards for Sulfate. Sulfate concentrations for Reynolds 32-9-3872 and 24-8-3872 are 390 mg/l and 960 mg/l, respectively. Laboratory analyses also indicate the water meets Water Quality Rules and Regulations Chapter 8 for Class III standards (Table 1- Chapter 8).

1.2 Hydrogeology and Review:

Groundwater occurs beneath the impoundments Reynolds 24-8-3872 and Reynolds 32-9-3872 in sands which are approximately 100 feet bgs and 43 feet bgs respectively. The static water levels indicate the water bearing zone is not confined.

Description of Impoundments covered under Permit 06-276:

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range	GW Classification
Reynolds 32-9-3872	3.8	SWNE	9	38 N	72 W	Class III
Reynolds 24-8-3872	17.72	SESW	8	38 N	72 W	Class III

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 WW32-9, & WW24-8B.
- Reporting results of quarterly monitoring and sampling to the department by January 15th, April 15th, July 15th, and October 15th of each year. The first set of data will be due by October 15, 2007.

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

Impoundment: Reynolds 32-9, WYPDES #0052264 (003)

Parameter	WW32-9 Background Value (mg/L) (4/6/05)	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	390	≥ 2400	3000
Total Dissolved Solids (TDS)	950	≥4000	5000
pH	8.0	≤ 6.5	6.5 – 8.5(s.u)

Impoundment: Reynolds 24-8, WYPDES #0052264 (005)

Parameter	WW24-8B Background Value (mg/L) (4/6/05)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.003	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	960	≥ 2400	3000
Total Dissolved Solids (TDS)	1780	≥4000	5000
pH	7.6	≤ 6.5	6.5 – 8.5(s.u)

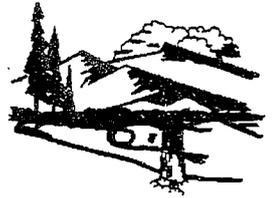
Trigger values, specific to the groundwater samples at this impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with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



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 15, 2006

Josefine R. Waggoner
1776 Ranch Loop Road
Cheyenne, Wyoming 82009

RE: Waggoner Cabin Septic System,
Location: N½ SE¼, Section 3, T27N, R66W,

Application No. **06-277**
Platte County

Dear Ms. Waggoner:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **2 bedroom** seasonal cabin in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the 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 **the compartment of the septic tank** must be extended to the ground surface.

The approval granted under this Notification Of Coverage and the General Permit shall expire on May 15, 2008. Please reference Application Number **06-277** in any future correspondence.

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

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

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

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

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

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

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

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



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

Sincerely,

A handwritten signature in cursive script that reads "Ronald L. Ewald".

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

RLE/jc/6-0402

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Max Garner, Garners Backhoe Service, Box 897, Guernsey, Wyoming 82214
Platte County Planner, Marlin Johnson, P.O. Box 728, Wheatland, Wyoming 82201

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 06-278R

Grand Teton National Park, Lupine Meadows Water System
PWS #5680156N

This permit hereby authorizes the applicant:

Thayne O'Brien, Contracting Officer
National Park Service - Grand Teton National Park
Post Office Drawer 170
Moose, WY 83012

to install a new submersible pump, well house, pressure tanks, chlorination system, and water lines; according to the procedures and conditions of the application number 06-278R. This water system is only used during the summer time and has a design flow of 4,900 gallons per day. The facility is located within SE ¼, Section 26, Township 44 North and Range 116 West in the county of Teton, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by July 26, 2008.

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

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

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

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

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

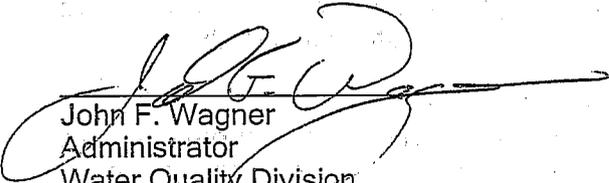
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

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

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

7/28/06
Date of Issuance

JSB/rm/6-0671
8/27/07

STATEMENT OF BASIS

1. Permit Number: 06-278R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above? Yes
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water supplies are exempted from review by Chapter 3, Section 17.
6. Documentation of Statement of Basis: The archives file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, jbroug@state.wy.us, Environmental Engineer and completed on July 26, 2006. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

Xc: Bob Wemple, Grand Teton National Park, P.O. Box 170, Moose, WY 83012



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 4, 2006

Sandra K. George
874 Land 11 1/2
Powell, WY 82435

RE: Sandy Cove Addition No. 1 Sewer & Water Line Extensions, Permit Number: 06-279, Section 33, T53N, R101W, Park County

Dear Ms. George:

This project involves the installation of 340 linear feet of 8-inch sanitary sewer line, extension of an existing sewage collection system, and 409 linear feet of 8-inch water line, extension of a public water system, to serve Sandy Cove Addition No. 1. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11, Section 9; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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 Holm, P.E., Holm, Blough & 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

May 3, 2006

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

RE: North Range Business Park Sewer Main "B", Application No.06-280, 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 1700 feet of 8" diameter sewer main and 5 manholes, 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 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. 06-280 in any future correspondence

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

Sincerely,

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

cc: IPS Cheyenne

Scott Cowley, A.V.I. pc
2035 Westland Road
Cheyenne, WY 82001

LBH/jc/6-0368

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

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

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

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

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

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

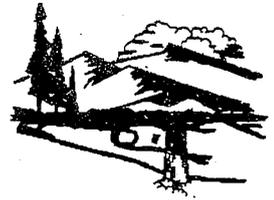
SOLID & HAZ. WASTE
(307) 777-7752
FAX 777-5973

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





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 12, 2006

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

RE: Cheyenne Spray Park, Application No.06-281, 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 294 ft of 6" diameter PVC sanitary sewer, Section 25 T14N 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 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 July 13, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 06-281 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

Thomas Cobb, Nolte Associates, Inc.
1901 Sharp Point Drive, Suite A
Fort Collins, CO 80521

LBH/jc/6-0390

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

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

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

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

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

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

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

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





Department of Environmental Quality

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SHERIDAN FILE

W & W W



Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

Crook County
Small
WW

May 10, 2006

Michael Smith
Box 775
Sundance, WY 82729

RE: Michael Smith Septic System, Permit # 06-282

Dear Michael:

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 May 1, 2007.

Your application did not include photos of a trench cut to a depth 4' below bottom of leach trench at the location of the leach trench. The trench cut shall be made before installation of the system and photos provided with the Certificate of Completion for this permit.

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
Randy Gantz, Gantz Backhoe Service, Box 280, Hulett, WY 82820

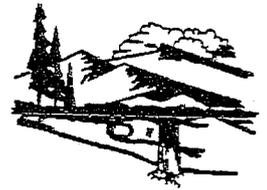




Dave Freudenthal, Governor

Department of Environmental Quality

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



John Corra, Director

NOTIFICATION OF COVERAGE

May 9, 2006

Steve Walker
4250 Executive Square
Suite 400
La Jolla, CA 92037

RE: Crescent Electric Septic, Permit # 06-283
1220 E. Southern Drive

Dear Steve:

The above application for coverage under General Permit to Construct, Install, Modify or Operate extensions to or modifications of a commercial small wastewater septic system in accordance with Chapter 3 and Chapter 11, Part B, of the Wyoming Water Quality Rules and Regulations (WWQRR) has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O. of the general permit. **A minimum of two (2) photos of the system installation, gravel and pipe or set infiltrators shall accompany the Certificate of Completion submitted to this office.** All construction, installation, or modification allowed by this permit shall be completed by June 1, 2007.

Typically, Campbell County Planning Department performs the final inspection for this installation. Please contact that office for this inspection. Please contact me with any questions at 1866 S. Sheridan Avenue 673-9337, 673-2213 (fax) or by email at restes1@state.wy.us.

Sincerely,

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

cc: IPS, Cheyenne
Jerry Williams, CER, 400 South Miller Ave., Gillette, WY 82716
Keith Bowar, Campbell County, 500 S. Gillette Ave, Suite 1500, Gillette, WY 82716

Page 1 of 1

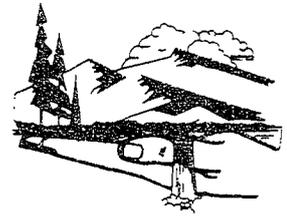
1866 SOUTH SHERIDAN AVENUE • SHERIDAN, WY 82801

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

July 13, 2006

Three Left Handers, LLC
Attn: Gene Kilpartrick
109 South Main
Sheridan, Wyoming 82801

RE: Osprey Hill Phase Two
Application No. 06-284

Dear Mr. Kilpatrick:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and Existing Sewage Collection Systems in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permits, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits. Additionally, the following project specific conditions also apply:

A. Condition One - Refer to this permit number, 06-284, for any and all future phases and developments. The City of Sheridan indicates they currently have adequate capacity to accept and treat sewage for this phase of the overall project. Your permit package indicates that the City of Sheridan collection system downstream from this project site has minimal (6 gallon per minute) reserve capacity. Please be advised that the Department of Environmental Quality will not permit any future phases or developments that exceed this reserve capacity.

The approval granted under this Notification Of Coverage and the General Permit shall expire on July 20, 2008. Please reference Application Number 06-284 in any future correspondence.

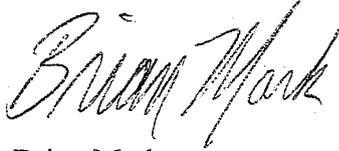
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7758 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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If you have any questions, please contact me at (307) 777-6371.

Sincerely,

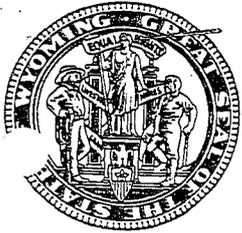
A handwritten signature in cursive script that reads "Brian Mark".

Brian Mark
Program Principal
Water Quality Division

BDM/rm/6-0630

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

cc: IPS, Cheyenne
Scott Baxter, PE, CER, 237 North Main Street, Sheridan, WY 82801
Robert Briggs, City of Sheridan, PO Box 848, Sheridan, 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

NOTIFICATION OF COVERAGE

May 10, 2006

Edward A. Willson
1801 E. Warlow Dr. #85
Gillette, WY 82716

RE: Willson #1 Septic System, Permit # 06-285

Dear Edward:

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 May 1, 2007.

Your application did not include photos of a trench cut to a depth 4' below bottom of leach trench at the location of the leach trench. The trench cut shall be made before installation of the system and photos provided with the Certificate of Completion for this permit.

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
Randy Gantz, Gantz Backhoe Service, Box 280, Hulett, WY 82820

Page 1 of 1

1866 SOUTH SHERIDAN AVENUE • SHERIDAN, WY 82801

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 06-287R

Thermopolis Hill School/Buffalo Ridge Subdivision Sewer Replacement

This permit hereby authorizes the applicant:

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

to install about 500 linear feet of 8-inch PVC sewer line replacement and 120 linear feet of 10-inch HDPE sewer line replacement using directional drilling; according to the procedures and conditions of the application number 06-287R. The facility is located within Section 35, Township 43 North and Range 95 West in the county of Hot Springs, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by May 19, 2008.

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

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

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

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

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

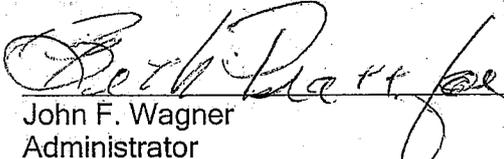
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

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

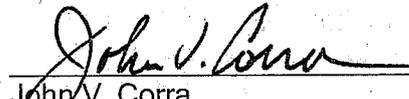
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 250 Lincoln Street, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

5/22/06

Date of Issuance
JSB/jsb/jc/6-0439

DRG 5/19/06

STATEMENT OF BASIS

1. Permit Number: 06-287R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above? Yes
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
Yes. This project involves horizontal directional drilling and installing butt fused 10-inch HDPE between two manholes from Station 15+00 to Station 16+20. The uphill manhole connection will be installed with a thrust collar to prevent the sewage line from pulling away from the manhole.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Sewerage systems are exempted from review by Chapter 3, Section 17.
6. Documentation of Statement of Basis: The archives file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, jbroug@state.wy.us, Environmental Engineer and completed on May 19, 2006. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

Xc: Travis Conklin, P.E., Engineering Associates, P.O. Box 1900, Cody, WY 82414

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 06-288

Warm Springs Water District
PWS #5600861

This permit hereby authorizes the applicant:

Larry W. Wilke, President
Warm Springs Water District
P.O. Box 1225
Dubois, WY 82513

to install point-of-use filtration systems for arsenic removal to meet EPA's new standard of 0.010 mg/L As, according to the procedures and conditions of the application number 06-288. The facility is located at Township 41 North and Range 107 West in the county of Fremont, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by June 7, 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.

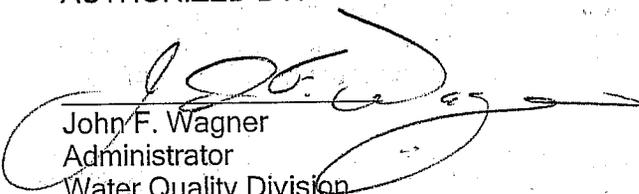
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

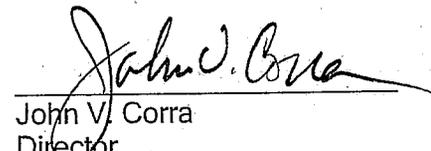
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 4 As stated in Warm Spring District's resolution, the filtration units are owned and maintained by the District or their representative. The filters will be replaced only by a certified water tech of the District. As stated in the O&M manual, the filters will be replaced for full time residences when the first of the following occurs: (a) annually, (b) when the unit's rated capacity is reached, (c) the flow rate diminishes, or (d) the filter becomes saturated with bad tastes and odors.
- 2 of 4 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 250 Lincoln Street, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

6-9-06
Date of Issuance

JSB/rm/6-0514

STATEMENT OF BASIS

1. Permit Number: 06-288
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. Chapter 12, Section 5 allows new technology which is not covered directly in the regulations. The Multi-Pure CB-As-Sx filter pilot test resulted in a non-detect arsenic concentration after the point-of-use filter at Lot 4. The raw water sample had a 0.013 mg/L arsenic concentration (slightly higher than the new EPA arsenic standard). This product is certified by ANSI/NSF 61 Standard and California Department of Health Services.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water supplies are exempted from review by Chapter 3, Section 17.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, jbroug@state.wy.us, Environmental Engineer and completed on June 7, 2006. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

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

PERMIT NO. 06-289

ESE Carr Draw, Plan of Development (POD)

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 06-289. The facilities are proximal to the on channel coal bed methane produced water impoundments located in Township 50N, Range 75W, Sections 27 & 32, in the county of Campbell, in the State of Wyoming. The WYPDES Permit Numbers are #WY0053171 and #WY0054569. 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 Marley and MW32A-5075.
- 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 July 15, 2006.

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

**Impoundment Marley
WYPDES #WY00553171**

Parameter	Marley Background Value (mg/L) (11/11/2005)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1440	≥ 2400	3000
Total Dissolved Solids (TDS)	2320	≥ 4000	5000
pH	7.24	≤ 6.5	6.5 – 8.5(s.u)

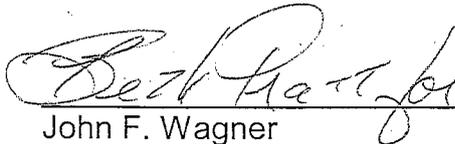
**Impoundment Jones
WYPDES #WY0054569**

Parameter	MW32A-5075 Background Value (mg/L) (1/17/2006)	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)	3490	≥ 4000	5000
pH	7.41	≤ 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:



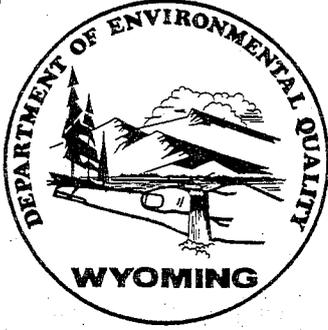
John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

5/18/06
Date of Issuance

WDF/TW/jc/6-0412



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

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

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 06-289

SITE (POD) NAME: SE Carr Draw POD

APPLICANT: Williams Production RMT Company
Attn: Peggy Carter
300 Works Avenue
Gillette, WY 82716

CONSULTANT: WWC Engineering
Attn: Mr. Benjamin J. Schiffer P.G.
1849 Terra Avenue
Sheridan, WY 82801

LOCATION: Drainage: Unnamed tributary to Barber Creek a northwest tributary of the Powder River.
County: Campbell
Location: T50N, R75W; Sections 27 & 32

WYPDES No: Discharge Permits #WY0053171 & WY0054569

DATE ON REPORT: April 25, 2006

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

DATE OF THIS REVIEW: May 2, 2006

ACTION: Compliance Monitoring Plan authorized for SE Carr Draw POD pursuant to conditions on permit # 06-289

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Unnamed tributary to Barber Creek a northwest tributary to the Powder 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 at two impoundments meets Water Quality Rules and Regulations Chapter 8 Class III standards (Table 1- Chapter 8).

1.2 Hydrogeology and Review:

Groundwater occurs in an unconfined sandstone aquifer at 50 to 70 feet bgs beneath the Marley Impoundment and will be monitored in the Marley monitoring well.

Three wells were place around the Jones Impoundment with only two intercepting a water bearing sandstone at 133 and 186 feet bgs. The third well was dry. The static water levels indicate monitoring well MW32A-5075 is the downgradient well and will be monitored.

Names of Impoundments covered under Permit 06-289:

Impoundment Names	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range
Marley	15.7	SENE	27	50	75
Jones	16.7	NWSW	32	50	75

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 wells Marley and MW32A-5075.

- 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 July 15, 2006.

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

**Impoundment Marley
WYPDES #WY00553171**

Parameter	Marley Background Value (mg/L) (11/11/2005)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	1440	≥ 2400	3000
Total Dissolved Solids (TDS)	2320	≥ 4000	5000
pH	7.24	≤ 6.5	6.5 – 8.5(s.u)

**Impoundment Jones
WYPDES #WY0054569**

Parameter	MW32A-5075 Background Value (mg/L) (1/17/2006)	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)	3490	≥ 4000	5000
pH	7.41	≤ 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/TW/jc/6-0413



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 4, 2006

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

RE: Cheyenne Gregg Way Sewer Extension, Application No.06-290, 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 50-100 ft extension of 8" diameter sewer line terminating in a buried manhole, Section 22 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. 06-290 in any future correspondence

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

Sincerely,

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

cc: IPS Cheyenne

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

LBH/jc/6-0372

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

May 4, 2006

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

RE: West Side Elementary School's Sewer Main Replacement, Permit Number: 06-291, Section 26, T47N, R93W, Washakie County

Dear Mayor Shearer:

This project involves replacing almost 350 linear feet of 8-inch diameter, vitrified clay pipe (VCP) sewer line with 8-inch Polyvinyl Chloride (PVC) sewer line maintaining the same grade, location, and elevation. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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

Sincerely,

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

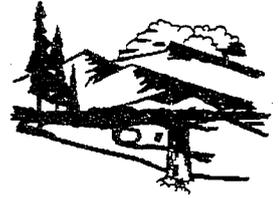
xc: IPS, Cheyenne.
Mike W. Donnell, P.E., Donnell & Allred, Inc., P.O. Box 638, Worland, WY 82401

encl: General Permit For an Existing Sewage Collection System





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 4, 2006

Richard L. and Terry S. Davis
4421 West County Road 4
Berthoud, Colorado 80513

RE: Nelson Addition – Davis Residential Septic System,
Location: Section 2, T23N, R68W,

Application No. **06-292**
Platte County

Dear Mr. & Mrs. Davis:

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

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on May 4, 2008. Please reference Application Number **06-292** in any future correspondence.

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

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

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

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

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

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

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

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



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

Sincerely,



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

RLE/jc/6-0371

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Aaron Wilson, A&A Earthworks, 580 Grange Road, Wheatland, WY 82201
Platte County Planner, Marlin Johnson, P.O. Box 728, Wheatland, Wyoming 82201



Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 4, 2006

Ms. Jackie Flowers, PE
Sheridan Public Works Director
55 Grinnell Plaza
Sheridan, WY 82801

RE: Wingate Inn Water & Sewer Transfer of Ownership of #03-489, New Permit # 06-293
PWS #5600052

Dear Jackie:

WDEQ is in receipt of the request made by the City of Sheridan to transfer ownership of the Wingate Inn Water & Sewer WDEQ Permit 03-489 Notice of Coverage from Double Eagle LLC. This request has been approved and it is now the responsibility of the City to meet all conditions of the original permit.

If you have any questions please contact me at 673-9337 or by email at restes1@state.wy.us.

Sincerely,

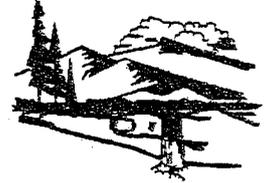
Rick J. Estes, P.E.
WDEQ/WQ NE District Senior Environmental Analyst

cc: IPS, Cheyenne
Ronald Patterson, Double Eagle, LLC, P.O. Box 6793, Sheridan, WY 82801





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 4, 2006

Ms. Jackie Flowers, PE
Sheridan Public Works Director
55 Grinnell Plaza
Sheridan, WY 82801

RE: Mountain View Estates PUD Transfer of Ownership of #05-195, New Permit # 06-294
PWS #560052

Dear Jackie:

WDEQ is in receipt of the request made by the City of Sheridan to transfer ownership of the Mountain View Estates PUD WDEQ Permit 05-195 Notice of Coverage from SSR Construction. This request has been approved and it is now the responsibility of the City to meet all conditions of the original permit.

If you have any questions please contact me at 673-9337 or by email at restes1@state.wy.us.

Sincerely,

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

cc: IPS, Cheyenne
Brett Sayer, SSR, 12 Big Horn Meadows Dr., Sheridan, WY 82801



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 06-295

Land Application of Produced CBM Water,
Barber Creek Ranch Land Application Project

This permit hereby authorizes the applicant:

Williams Production RMT Company
300 North Works Avenue
Gillette, Wyoming 82716

to construct, install, or modify a land application water system for produced CBM discharge water according to the procedures and conditions of the application number 06-295. The facility is located in portions of Sections 1, 2, and 11, Township 48 North, Range 76 West in the county of Johnson, in the State of Wyoming. This permit shall be effective until June 1, 2008.

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

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

Nothing in this permit constitutes an endorsement by DEQ of the land application 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 land application is located 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 conduct permitted land application 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 DEQ/WQD Northeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

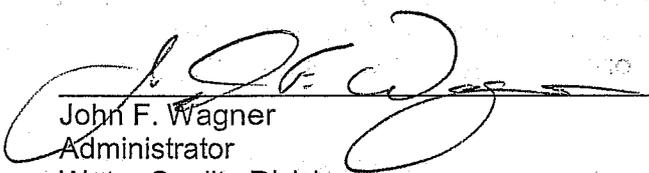
2 of 4 The applicant shall submit an annual report to the department providing relevant details of the land application, including quantity of water applied, quality of water applied, type and quantity of soil amendments applied, any violations of DEQ regulations (WYPDES or groundwater), soil sampling data from the land receiving the water, and any other information deemed applicable by the department.

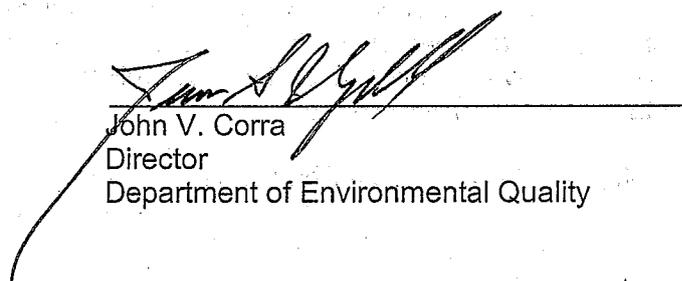
3 of 4 Within sixty days of completion of the land application, the applicant will submit to the DEQ/WQD Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:

- a. Dates that the land application was initiated and terminated for the irrigation season; and
- b. Certification the land application was performed in accordance with the terms and conditions of the permit; or
- c. Certification the land application was completed with changes or modifications. Submittal of documentation of the land application sites where the changes or modifications were performed if appropriate. All modifications or deviations from the authorized plans must be highlighted; and
- d. Landowner certification and applicable documentation that the site has been properly reclaimed.

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

6/7/00
Date of Issuance

KJM/bb/6-0511.PER ARS-6/7/6
cc: WDEQ Casper Field Office

STATEMENT OF BASIS

1. Permit Number: 06-295
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. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.

The water is being applied at an agronomic rate determined by soil testing to prevent groundwater impacts.

5. Documentation of Statement of Basis.

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

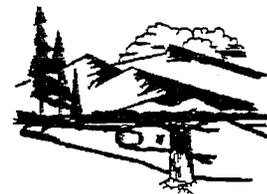
CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Dennis Lamb, Northeast District Supervisor, and completed on May 12, 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."

JDL/KJM/bb/6-0511.STM



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

June 21, 2006

Mr. Ronnie Link, Manager
WH Energy
P.O. Box 1008
Broussard, LA 70578

RE: **WH Energy Water Extension, Permit No. 06-296R**; NE1/4 Section 13 and NW1/4 Section 18, T18N, R106W, Sweetwater County; PWS #WY5601182

Dear Mr. Link:

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

You are authorized to construct, install or modify an extension of the existing system, consisting of approximately 5,000 feet of 8-inch and 12-inch diameter water line and appurtenances, connecting to an existing 14-inch line at each end of the project 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
Bryan Seppie, P.E.; Joint Powers Water Board; P.O. Box 1299; Green River, WY 82935
Paul Kauchich, P.E.; City of Rock Springs; 212 D Street; Rock Springs, WY 82901
Tara Nelson; Nelson Property Consulting; 160 East Flaming Gorge Way; Green River, WY 82935

encl.: General Permit for Extensions to Existing Public Water Distribution 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



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

PERMIT NO. 06-298

Kitty Jeffers Draw, Plan of Development (POD)

This permit hereby authorizes the applicant:

Williams Production RMT Company
300 Works Avenue
Gillette, WY 82716

to have installed seven compliance monitoring wells according to the procedures and conditions of the application number 06-298. The facilities are proximal to the on channel coal bed methane produced water impoundments located in Township 50N, Range 75W, Sections 25 & Township 50N, Range 74W Sections 19, 30 & 31; in the county of Campbell, in the State of Wyoming. The WYPDES Permits are under review and numbers are not yet available. 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, 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 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, Watsabaugh 13-25-5075 MW-01, Watsabaugh 22-25-5075 MW-01, Watsabaugh 22-30-5074 MW-01, Watsabaugh 33-19-5074 MW-01, Watsabaugh 34-25-5075 MW-01, Watsabaugh 42-25-5075 MW-01, Watsabaugh 42-31-5074 MW-01.
- Reporting results of quarterly monitoring and sampling are due to the Sheridan DEQ office by January 15th, April 15th, July 15th, and October 15th of each year. The first set of data will be due by October 15, 2006.

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

Impoundment Watsabaugh 13-25-5075

Parameter	13-25-5075 MW-01 Background Value (mg/L) (02/15/2006)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	0.014	≥ 0.04	0.05
Sulfate	2090	≥ 2400	3000
Total Dissolved Solids (TDS)	3480	≥ 4000	5000
pH	6.68	≤ 6.5	6.5 – 8.5(s.u)

Impoundment Watsabaugh 22-25-5075

Parameter	22-25-5075 MW-01 Background Value (mg/L) (02/06/2006)	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	365	≥ 2400	3000
Total Dissolved Solids (TDS)	765	≥ 4000	5000
pH	6.98	≤ 6.5	6.5 – 8.5(s.u)

Impoundment Watsabaugh 22-30-5074

Parameter	22-30-5074 MW-01 Background Value (mg/L) (02/09/2006)	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	2840	≥ 2920	3000
Total Dissolved Solids (TDS)	4360	≥ 4680	5000
pH	7.06	≤ 6.5	6.5 – 8.5(s.u)

Impoundment Watsabaugh 33-19-5074

Parameter	33-19-5074 MW-01 Background Value (mg/L) (02/24/2006)	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	1700	≥ 2400	3000
Total Dissolved Solids (TDS)	2640	≥ 4000	5000
pH	7.63	≤ 6.5	6.5 – 8.5(s.u)

Impoundment Watsabaugh 34-25-5075

Parameter	34-25-5075 MW-01 Background Value (mg/L) (02/15/2006)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.002	≥ 0.16	0.2
Selenium	0.011	≥ 0.04	0.05
Sulfate	898	≥ 2400	3000
Total Dissolved Solids (TDS)	1620	≥ 4000	5000
pH	7.24	≤ 6.5	6.5 – 8.5(s.u)

Impoundment Watsabaugh 42-25-5075

Parameter	42-25-5075 MW-01 Background Value (mg/L) (02/06/2006)	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	434	≥ 2400	3000
Total Dissolved Solids (TDS)	990	≥ 4000	5000
pH	6.98	≤ 6.5	6.5 – 8.5(s.u)

Impoundment Watsabaugh 42-31-5074

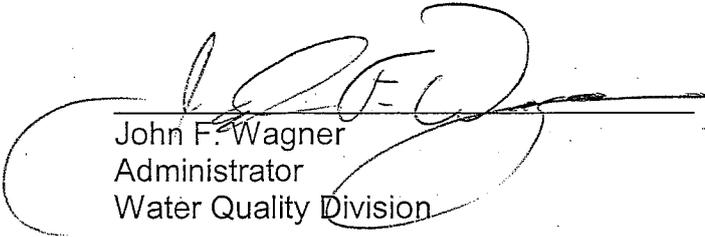
Parameter	42-31-5074 MW-01 Background Value (mg/L) (02/13/2006)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	864	≥ 2400	3000
Total Dissolved Solids (TDS)	1340	≥ 4000	5000
pH	7.73	≤ 6.5	6.5 – 8.5(s.u)

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

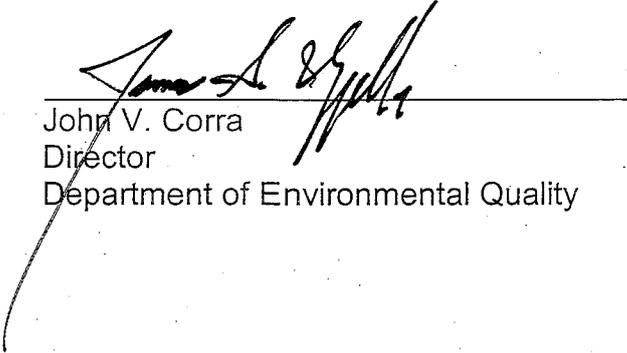
Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: cbmgroundwater@state.wy.us. In addition, the 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

August 24, 2006
Date of Issuance



John V. Corra
Director
Department of Environmental Quality

UW/rm/6-0760



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

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

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 06-298

SITE (POD) NAME: Kitty Jeffers Draw POD

APPLICANT: Williams Production RMT Company
Attn: Peggy Carter
300 Works Avenue
Gillette, WY 82716

CONSULTANT: CBM Associates, Inc.
Attn: Chris Boe
500 West Lott
Buffalo, WY 82834

LOCATION: Drainage: Unnamed tributaries to Kingsbury Creek a northeast trending tributary to Wild Horse Creek a northwest trending tributary to the Powder River.
County: Campbell
Location: T50N, R74W; Sections 19,30,31,32,&33; T50N, R75W; Section 25

WYPDES No: Discharge Permits – under review

DATE ON REPORT: April 25, 2006

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

DATE OF THIS REVIEW: May 2, 2006

ACTION: Compliance Monitoring Plan authorized for the Kitty Jeffers Draw POD pursuant to conditions on permit # 06-298

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Unnamed tributaries to Kingsbury Creek a northeast trending tributary to Wild Horse Creek a northwest trending tributary to the Powder River.

Type of Impoundment(s)

7 "Off channel "
"On channel"

Groundwater Classification:

Class 1 (domestic) _____
Class 2 (irrigation) _____
Class 3 (agricultural) 7

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

1.2 Hydrogeology and Review:

Groundwater was encountered in 15 of the 19 sites investigated in the POD. Three of the sites encountered class IV groundwater and 12 encountered Class III groundwater. At 14 of the 15 sites the water bearing zones consisted of sandstone, ranging from approximately four to 61 feet in thickness. The depth at which groundwater was first encountered varied from 15 to 133 ft-bgs. At the remaining site, Lowery MW-01 groundwater was first encountered at a depth of 20 ft-bgs in a four-foot-thick coal seam.

Of the 12 sites that encountered Class III groundwater seven were in unconfined aquifers and will be permitted in this Phase I permit. The five remaining sites will have to have additional drilling or geologic interpretation to determine the direction of groundwater flow.

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Names of Impoundments covered under Permit 06-298:

Impoundment Name	Impoundment Type	Capacity (ac-ft)	QtrQtr	SEC	TNP	RGE	Ground Water Status
Watsabaugh 13-25-5075	New On Channel	8.1	NWSW	25	50	75	Class III
Watsabaugh 22-25-5075	New On Channel	19.7	SENW	25	50	75	Class III
Watsabaugh 22-30-5074	New On Channel	18.7	SENW	30	50	74	Class III
Watsabaugh 33-19-5074	Pre-existing On Channel	9.35	NWSE	19	50	74	Class III
Watsabaugh 34-25-5075	New On Channel	11.5	SWSE	25	50	75	Class III
Watsabaugh 42-25-5075	New On Channel	19.5	SENE	25	50	75	Class III
Watsabaugh 42-31-5074	New On Channel	13.7	SENE	31	50	74	Class III

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 wells, Watsabaugh 13-25-5075 MW-01, Watsabaugh 22-25-5075 MW-01, Watsabaugh 22-30-5074 MW-01, Watsabaugh 33-19-5074 MW-01, Watsabaugh 34-25-5075 MW-01, Watsabaugh 42-25-5075 MW-01, Watsabaugh 42-31-5074 MW-01.
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pH	6.68	≤ 6.5	6.5 – 8.5(s.u)

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Sulfate	2840	≥ 2920	3000
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Total Dissolved Solids (TDS)	990	≥ 4000	5000
pH	6.98	≤ 6.5	6.5 – 8.5(s.u)

Impoundment Watsabaugh 42-31-5074

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Arsenic	<0.001 (ND)	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	864	≥ 2400	3000
Total Dissolved Solids (TDS)	1340	≥ 4000	5000
pH	7.73	≤ 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
UW/rm/6-0760



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 26, 2006

Mr. Doug Gilchrist
Memorial Hospital of Sweetwater County
1200 College Drive
Rock Springs, WY 82901

RE: **Expansion of Memorial Hospital of Sweetwater County, 06-299R; NE1/4 Section 34, T19N, R105W, Sweetwater County**

Dear Mr. Gilchrist:

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

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

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

Sincerely,

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

cc: ✓IPS, Cheyenne
Paul Kauchich, P.E.; City of Rock Springs; 212 D Street; Rock Springs, WY 82901
Bryan Seppie, P.E.; Joint Powers Water Board; P.O. Box 1299; Green River, WY 82935

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



