



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

February 11, 2008

Jeff Feck, P.E.  
Vista West Engineering  
1470 Sugarland Drive, Suite 3  
P.O. Box 785  
Sheridan, WY 82801

RE: Return of Cloud Peak – 10<sup>th</sup> Filing Application – 07-801

Dear Mr. Feck:

This correspondence is in response to our conversation this morning concerning the change in status of the Cloud Peak-10<sup>th</sup> Filing development. We understand that at this point in time the development is not intended to proceed. We are, therefore, returning all submitted materials to you at your request.

If you wish to pursue the acquisition of a Permit to Construct, a new and complete application will need to be submitted. At that time, a new WDEQ tracking number will be assigned and will subsequently be reviewed by this office.

If you have any questions, please contact me at [kfarle@state.wy.us](mailto:kfarle@state.wy.us), or at (307)-473-3465.

Sincerely,

Karen L. Farley, P.E.  
Northeast District Supervisor

Enclosures: Cloud Peak 10<sup>th</sup> Filing Application (three copies)

cc: Don Roberts, 2 Soldier Creek Road, Sheridan, WY 82801  
Mike Cole, P.E., City of Sheridan, P.O. Box 848, Sheridan, WY 82801  
Chris Knodel, City of Sheridan, P.O. Box 848, Sheridan, WY 82801  
IPS (Cheyenne)  
WDEQ File

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### NOTIFICATION OF COVERAGE

November 21, 2007

Ken Ravon, PE  
Catalyx Fluid Solutions  
1200 N. Van Buren Street, Suite A  
Anaheim, CA 92807

RE: Catalyx CBM Water Treatment Pilot Project, Permit # 07-802

Dear Mr. Ravon:

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

The following items need to be submitted to WDEQ/WQD CBM Group:

1. A complete set of as-built drawings including all piping in the building and connecting to the pits/discharge;
2. A monthly (weekly during initial start-up) report including onsite and lab analytical data relating to the facility's performance for meeting the discharge requirements (influent and effluent Na, Ca Mg, SAR, EC), treatment/discharge volumes, any problems with the system and what has been done to correct them, or a notification that the plant has not been operating;
3. A laboratory analysis of any wastes generated at the facility and information regarding any disposal of wastes including prior notification of when and where the material is to be disposed;
4. A site specific O&M manual and an operator daily checklist prior to full start up. This should include operational protocols to prevent discharge violations for when the plant is operating out of compliance.
5. Immediate notification to WDEQ/CBM Group of any violations, exceedences, upsets, or incidents relating to the facility and it's operation.



Please provide notification of start-up a week prior to initial processing of CBM water. If you have any questions please contact Dennis Lamb at 152 North Durbin, Casper, WY, 82601, (307) 473-3452 or [dlamb@state.wy.us](mailto:dlamb@state.wy.us). Thank you.

Sincerely,

A handwritten signature in cursive script that reads "Dennis Lamb".

Dennis Lamb  
CBM Group Supervisor  
DEQ/WQD

cc: IPS Cheyenne



# Department of Environmental Quality



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

John Corra, Director

Dave Freudenthal, Governor

## NOTIFICATION OF COVERAGE

December 6, 2007

Andy Newcomb  
Precision Machined Products  
1017 Smithfield Drive  
Fort Collins, CO 80524

RE: Precision Machined Product Treated Water Main Extension, Permit Number: 07-803, Lot 2 Block 1 Cooper Subdivision, T53N, R101W, Park County

Dear Mr. Newcomb:

This project involves the installation of approximately 475 linear feet of 8-inch water line and a fire hydrant to serve one commercial lot and possibly multiple 56 residential lots in the future. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations 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*  
James Brough, P.E.  
Environmental Engineer  
Water Quality Division

xc: IPS, Cheyenne  
James Evans, 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

end: General Permit For a Public Water Distribution System

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

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

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

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

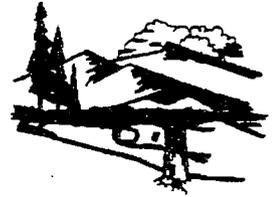
SOLID & HAZARDOUS WASTE  
(307) 332-6924  
FAX 332-7726

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





# Department of Environmental Quality



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 28, 2007

Mr. Robert Juve  
CITY OF TORRINGTON  
2042 WEST A STREET  
TORRINGTON, WY 82240

RE: ALZHEIMER'S UNIT WATER & SEWER LINES  
Application No. **07-804**, Goshen County

Dear Mr. Juve:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as reroute a water line to accommodate Alzheimer's Unit and extend existing sanitary sewer line, Halco 4<sup>th</sup> Addition 4<sup>th</sup> Filing to the City of Torrington; Goshen County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2010.

The non-potable waterline must be constructed of purple color coded PVC to indicate non-potable water. The water line must be flushed to a minimum velocity of 5 fps through a temporary blow-off, not a fire hydrant, prior to hydrostatic testing.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-804** in any future correspondence.

Sincerely,

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

LBH/cs/7-1026

cc: IPS, Cheyenne  
Erin Gates, Benchmark Engineers, P.C., 1920 Thomes Ave #620  
Cheyenne Wy 82001

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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STATE OF WYOMING  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
UNDERGROUND INJECTION CONTROL PERMIT ISSUED UNDER  
WYOMING WATER QUALITY RULES AND REGULATIONS  
CHAPTER 16

CLASS V INJECTION WELL

( ) New  
(X) Modified

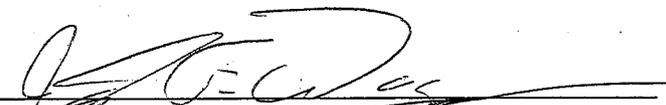
Permit Number UIC 07-805  
UIC Facility Number WYS-005-00489  
Reference UIC Permit Number 06-389

In compliance with the Wyoming Environmental Quality act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a)(iv), Laws 1973, Ch. 250, Section 1) and Wyoming Water Quality Rules and Regulations, Chapter 16:

Applicant: Cedar Resources Corporation  
P.O. Box 1717  
Gillette, WY  
(307) 62-0037

Cedar Resources Corporation, hereafter referred to as the permittee, is authorized to operate the proposed Class V (5F2) Subsurface Drip Irrigation (SDI) Project known as the Cedar Resources Subsurface Drip Irrigation System in Sections 33 and 34, Township 54 North, Range 76 West and Sections 3 and 4, Township 53 North, Range 76 West, 6th Principal Meridian, Campbell and Sheridan Counties, according to the procedures and conditions of application UIC 07-805 and requirements and other conditions of this permit.

This permit shall become effective on date of issuance.

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

2/7/08  
Date

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

2/10/08  
Date

UMW/rm/8-0103

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## A. Discharge Zone

The Cedar Resources Subsurface Drip Irrigation System is authorized to inject into the colluvial deposits adjacent to the Wild Horse Creek, an ephemeral/intermittent stream in northern Campbell and Sheridan Counties, tributary to the Powder River.

## B. Well and Area of Review

The subsurface fluid distribution system authorized by this permit is located as follows:

Location A:

NWSE, SESE, S ½ of SWNE, SWSENE, NESE, AND SESENW of Section 33, T54N, R66W, S ½ of SWSW of Section 34, T54N, R76W (includes area originally permitted under 06-389).

Location B:

NWNE, SWNE, N ½ of S ½ of NE of Section 4, T53N, R76W, W ½ of SWNW of Section 3, T53N, R76W

The Area of Review around these systems is described as follows:

NWNE, NENE, SENE of Section 32, all of Section 33, SW ¼, W ½ of NW ¼, W ½ of SE ¼ of Section 34, T54N, R76W.

W ½, W ½ of NE ¼, SENE of Section 3, N1/2, N1/2 of S ½, N ½ of SE ¼ of Section 4, NENE, NWNE, SENE of Section 9; N ½ of NW of Section 10, T53N, R76W.

The area of review is based on the following:

Description	Location A Inputs <sup>1</sup>	Location B Inputs	Units
Permit Duration	10	10	Years
Porosity of receiver <sup>2</sup>	12	12	Percent
Maximum Injection Rate	1.22	0.81	Million Gallons per Day
Annual Evapotranspiration	0.23	0.14	Million Gallons per Day
Thickness of Receiver <sup>2</sup>	150	140	Feet
Area of review	2951	2476	Feet

<sup>1</sup>Location A inputs include discharge originally permitted under 06-389.

<sup>2</sup>Receiver is the vadose zone which includes both unconsolidated and consolidated material.

The primary receiving aquifer is the vadose zone adjacent to Wild Horse Creek which includes both unconsolidated and consolidated material.

## C. Groundwater Classification

A total of 11 borings were drilled to investigate groundwater conditions for this site including:

- four dry borings to investigate the original acreage permitted under 06-389;

- four dry borings to investigate the additional acreage being added with this modification, and;
- three monitoring wells which encountered class III groundwater .

The three monitoring wells are located in the southern portion of the property. Concentrations of Total Dissolved Solids (TDS) and Sulfate (SO<sub>4</sub>) exceed both class I and II limits (Table I, Chapter 8, WQD Rules and Regulations).

Well Identification	Parameter	Concentration	Class I Limit	Class II Limit
SDI-1	TDS	3490	500	2000
SDI-1	SO <sub>4</sub>	2020	250	200
SDI-2	TDS	3430	500	2000
SDI-2	SO <sub>4</sub>	2120	250	200
SDI-3	TDS	3820	500	2000
SDI-3	SO <sub>4</sub>	2460	250	200

#### D. Authorized Operations

The permittee is authorized to inject 2.03 million gallons per day of produced coalbed methane water through the Cedar Resources Subsurface Drip Irrigation System. The produced water originates from coal bed methane wells completed in the Anderson/Schwartz, Canyon, Cook, and Wall coal seams. Water migrating from the drip irrigation system shall not enter into Wild Horse Creek.

#### E. Hazardous Waste

This permit does not allow for the injection of any hazardous waste as defined in 40 CFR 261.3 and in Wyoming Solid Waste Management Rules and Regulations, Chapter 2. Injection of any substance defined as a hazardous waste, whether hazardous by listing or by characteristic is a violation of this permit.

#### F. Proper Operation and Maintenance

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

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

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

## **G. Entry and Inspection**

The permittee shall allow the Administrator (upon presentation of credentials and during normal working hours) to enter the premises where a regulated facility is located, or where records are kept under the conditions of this permit and inspect and photograph the discharge and related facilities, review and copy reports and records required by this permit, collect fluid samples for analysis, measure and record water levels, and perform any other function authorized by law or regulation.

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

### General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. Records of monitoring information shall include:
  - a. The date, exact place, and time of sampling or measurements;
  - b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
  - c. The date(s) analyses were performed;
  - d. The time(s) analyses were initiated;
  - e. The initials or name(s) of the individual(s) who performed the analyses;
  - f. References and written procedures for the analytical techniques or methods used;
  - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
4. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
5. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified decommissioning procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
6. The permittee shall report any noncompliance which may endanger health or the environment within 24 hours from the time the operator becomes aware of the circumstances. The report should include:
  - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
  - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;

- c. A written submission shall be provided within 5 days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
- 7. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.
- 8. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 30 days following each schedule date.

**I. Requirements for Monitoring the Discharge.**

- 1. The permittee shall monitor the quantity and quality of the injected fluid at each pump station on the schedule listed in Table 1 below.

**Table 1 (Injected Fluid Sampling Schedule)**

Sampling and Reporting Schedule	Parameter Analyzed	Analytical Method	Permit limit or UCL*
Quarterly 12/31; 3/31; 6/30; 9/30	Total Volume	Flowmeter	2.03 million gallons/day
Annually 12/31	Total Dissolved Solids	EPA 160.1	5,000 mg/L

- 2. The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in Table 2.

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**Table 2 (Groundwater Monitoring Schedule)**

WELL NAME OR NUMBER	SAMPLING SCHEDULE	REPORTING SCHEDULE (DUE DATE)	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL*
SDI-1, SDI-2, SDI-3	Quarterly	Annually (12/31)	Depth to static water (ft)	Steel tape with chalk or electronic tape	None (tracking purposes: surface water protection)
SDI-1, SDI-2, SDI-3 and "VAT" well	Annually	Annually (12/31)	Total Dissolved Solids	EPA 160.1	5,000 milligrams/liter
SDI-1, SDI-2, SDI-3 and "VAT" well	Annually	Annually (12/31)	Sulfate	EPA 300.0	3,000 milligrams/liter
SDI-1, SDI-2, SDI-3 and "VAT" well	Annually	Annually (12/31)	Bicarbonate	SM 2320B	None (tracking purposes: surface water protection)
SDI-1, SDI-2, SDI-3 and "VAT" well	Annually	Annually (12/31)	Carbonate	SM 2320B	None (tracking purposes: surface water protection)
SDI-1, SDI-2, SDI-3 and "VAT" well	Annually	Annually (12/31)	Chloride	EPA 300.0	2,000 milligrams/liter
SDI-1, SDI-2, SDI-3 and "VAT" well	Annually	Annually (12/31)	Sodium	EPA 200.7	None (tracking purposes: surface water protection)
SDI-1, SDI-2, SDI-3 and "VAT" well	Annually	Annually (12/31)	Magnesium	EPA 200.7	None (tracking purposes: surface water protection)
SDI-1, SDI-2, SDI-3 and "VAT" well	Annually	Annually (12/31)	Calcium	EPA 200.7	None (tracking purposes: surface water protection)
SDI-1, SDI-2, SDI-3 and "VAT" well	Annually	Annually (12/31)	Electrical Conductivity	SM 2510B	None (tracking purposes: surface water protection)
SDI-1, SDI-2, SDI-3 and "VAT" well	Annually	Annually (12/31)	pH	EPA 150.1	6.5<pH<8.5 standard units

\* The above upper control limits (UCL) are not to be exceeded in any sample. UCLs are derived from Wyoming Water Quality Rules and Regulations, Chapter 8. The lowest UCL shall apply if there are any conflicts between rules and parameters. Exceedances of these values are a violation of this permit and shall require notification under Section K of this permit.

Failure to perform and report analyses in accordance with the prescribed schedule and method is a violation of this permit. The permittee shall use the above listed analytical methods unless an alternate method is first approved by the Water Quality Division.

3. The area between this facility and Wild Horse Creek shall be inspected on a monthly basis for evidence of water re-surfacing from the injection facility. Any occurrence of water resurfacing from this facility during the monthly inspections or during routine operations shall be reported to WDEQ immediately.

The results of the monitoring required above shall be submitted to the following address: WDEQ, Groundwater Program, UIC Coordinator, Herschler Building 4W, 122 West 25<sup>th</sup> Street, Cheyenne, Wyoming. A copy of the data shall also be supplied to the WDEQ, Sheridan field office at the following address: WDEQ, Groundwater Program, 1866 South Sheridan Ave., Sheridan, WY 82801.

#### **J. Test Procedures**

All samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All samples taken shall include a trip blank of distilled water for each sampling date and a duplicate sample at least once per year. All required analyses shall be conducted in compliance with Wyoming Water Quality Rules and Regulations, Chapter 8, Section 7.

#### **K. Records and Reports**

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Reports of compliance or noncompliance with, and any progress reports on, interim and final requirements contained in any compliance schedule shall be submitted no later than thirty (30) days following each schedule date. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

#### **L. Permit Actions**

This permit is authorized for a period of five (5) years. If the permittee wishes to continue injection after the expiration date of this permit he shall apply to the Administrator and obtain a new permit. It shall not be a defense for the permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. The filing of a request by the permittee, or at the instigation of the Administrator, for permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

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

1. Violation of this permit; or
2. Obtaining a permit by misrepresentation of facts in the application.

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

### **M. Abandonment**

General Requirements:

1. The permittee shall notify the administrator at least thirty (30) days prior to abandonment of the facility.
2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this permit, or describing any deviations from the original plan, shall be submitted as soon as practicable after abandonment. The abandonment shall include reclamation of the well site.
3. The injection systems covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 16, Section 12. Groundwater monitoring wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G.

### **N. Duties of the Permittee**

The permittee shall give advance notice to the Administrator as soon as possible of any planned physical alteration or additions, other than authorized operation and maintenance, to the permitted facility and receive authorization prior to implementing the proposed alternation or addition. The permittee shall furnish the Administrator within a reasonable time any information which the Administrator may request to determine whether cause exists for modifying, revoking, or reissuing, or terminating this permit, or to determine compliance with this permit; and to furnish to the Administrator upon request, copies of records required to be kept by this permit. Any modification which may result in a violation of a permit condition shall be reported to the Administrator, and any modification that will result in a violation of any permit conditions shall be reported to the Administrator through the submission of a new or amended permit application. The permittee shall report all instances where he becomes aware that he failed to submit any relevant facts in the permit application, or where he submitted incorrect information in a permit application or in any report to the Administrator, and shall promptly submit such facts or information.

If any cultural materials are discovered during construction, work in the area should halt immediately. The Administrator and the Wyoming State Historic Preservation Office shall be contacted (777-7697) and

the materials shall be evaluated by an archaeologist or historian meeting the Secretary of the Interior's Professional Qualification Standards (48 FR 22716, Sept. 1983).

## **O. Signatories Requirement**

All reports filed in conjunction with this permit shall contain the following certification:

"I certify, under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

All reports required by this permit and other requested information shall be signed as follows:

For a corporation – by a principal executive officer of at least the level of vice-president;

For a partnership or sole proprietorship – by a general partner or the proprietor, respectively;

For a municipality, state, federal, or other public agency – by either a principal executive officer or ranking elected official; or

By a duly authorized representative for any of the above. A person is a duly authorized representative only if:

1. The authorization is made in writing by one of the prescribed principals;
2. The authorization specifies either an individual or position having responsibility for the overall operation of the regulated facility or activity; and
3. The written authorization is submitted to the Administrator.

If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization must be submitted to the Administrator prior to or together with any reports or information, to be signed by the new authorized representative.

## **P. Noncompliance**

The permittee shall comply with all conditions of the permit. Any permit noncompliance constitutes a violation of Wyoming Water Quality Rules and Regulations, Chapter 16 and is grounds for enforcement action, permit termination, revocation, or modification. Conformed noncompliance resulting in an excursion shall be reported to the Administrator orally within twenty-four (24) hours, and a written submission shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written report shall contain the sections specified in Section K of this permit. Any permit noncompliance constitutes a violation of this permit.

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

#### **Q. Permit Transfer**

Any transfer of this permit shall be accomplished by the submission of the proper forms for permit transfer to the Administrator. Transfer of this permit must first be approved by the Administrator and the Director. No transfer shall be approved unless the proposed permittee agrees to bring any and all noncompliance issues into compliance with this permit. The permittee is alone responsible for the operation of the facility covered by this permit. Sale of the facility and subsequent operation of this facility by another is a violation of this permit unless a transfer of this permit has first been accomplished.

#### **R. Property Rights**

This permit does not convey any property rights of any sort or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

#### **S. Severability**

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

UMW/rm/8-0103

## STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

A. Permit Number: UIC 07-805 (reference UIC 06-3890)

B. Facilities Covered: The Cedar Resources Subsurface Drip Irrigation System is located on Wild Horse Creek in northern Campbell and southern Sheridan County, Wyoming. These facilities will inject produced coal bed methane water into the vadose zone at depths up to 10 feet. The system is designed to inject up to a capacity of 2.03 million gallons per day. Because of the nature of this water, the permit has been written to allow up to this capacity.

C. Class of Facility: 5F2 (Under Chapter 16)

II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)

A. Chapter 3      Yes

B. Chapter 8      Yes

C. Chapter 9      No

D. Chapter 11     Yes

E. Chapter 12     No

F. Chapter 13     No

G. Chapter 16     Yes

III. Basis for issuing permit. (Indicate yes or no for each section.)

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

B. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the

regulations and briefly summarize the regulation.)

NOT Applicable

- V. Application requires review to determine groundwater impacts in accordance with Wyoming Water Quality Rules and Regulations Chapters 8 and 16. Groundwater beneath this proposed facility was classified as a Class III. Groundwater monitoring is proposed for this site to protect for Class III groundwater. This permit provides for a flow capacity of 2.03 million gallons per day.
- VI. Documentation of Statement of Basis.
- A. The archive file for this permit will include adequate documentation of all sections of this Statement of Basis.
- VII. Applicant and Public Participation
- A. The applicant has been provided with a draft permit prior to the permit being issued.
- B. A Public Notice has been issued with a public notice period starting January 8, 2008 and ending on February 6, 2008. (Thirty day notice is required by Chapter 16.) This notice was published in the Casper Star Tribune on or before the start of the public comment period.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 5, Chapter 16, Wyoming Water Quality Rules and Regulations. This review was performed by Ursula Williams, P.G # 1503, Groundwater Program, North District Senior Analyst, and completed on December 11, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

UMW/rm/8-0103



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

January 2, 2008

David S. Bumann  
Wyoming Game and Fish Department  
Box 8200 Speas Road  
Casper, WY 82604

RE: Speas Rearing Station Septic System  
Small Wastewater System; Permit # 07-806

Dear Mr. Bumann:

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

Sincerely,

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

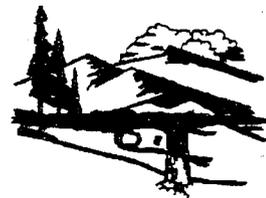
Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
Peter J. Hutchison, P.E. & L.S., States West Water Resources Corporation, P.O. Box 2092, Cheyenne, WY 82003  
April Gindulis, Natrona County Health Dept, 475 S. Spruce, Casper, WY 82601-1759  
WDEQ File





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

November 29, 2007

Mr. Herman Noe  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003

RE: O'Neil Ave Water Main Extension.  
Application No. **07-807**, 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 360 ft 8" waterline, fire hydrant, and 6" fire service, SE1/4 Section 6 T13N R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2010.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-807** in any future correspondence.

Sincerely,

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

LBH/cs/7-1028

cc: IPS, Cheyenne

KELLY W HAFNER  
BENCHMARK ENGINEERS, P.C.  
1920 THOMES AVE #620  
CHEYENNE WY 82001

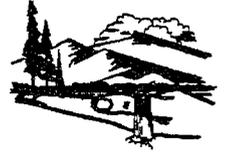
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

January 7, 2008

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

RE: Spirit Ridge Subdivision, Sheridan County  
WDEQ Application #07-808  
Wyoming DEQ has - **NO ADVERSE** - Recommendations

Dear Commissioners:

The Wyoming Department of Environmental Quality (WDEQ) has completed the review of the above referenced subdivision application for the property located adjacent to the Town of Ranchester, Wyoming, north of US Highway 14, in Sheridan County, pursuant to W.S. 18-5-306. This letter constitutes our recommendations pursuant to the requirements of W.S. 18-5-306 (c).

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

The wastewater sewage disposal systems proposed by the consultant will be to use on-site wastewater treatment systems. The consultant provided information on the depth to groundwater and the percolation rates that were determined during subsurface investigation of the subdivision. The depth of groundwater was found to range "...from approximately 6 - 7 feet in the southeastern corner of the subdivision, 15 feet along the southern side of the subdivision to greater than 40 feet in the northern and western sides of the subdivision." The consultant further states that "Seasonal high groundwater could be 2-3 feet higher than this." This indicates that depth to seasonal high groundwater in the area of Lot 1 could be as little as 3-4 feet. Because of this, the consultant states that additional subsurface investigation to determine depth to seasonal high groundwater be performed prior to designing any on-site wastewater system.

During the subsurface investigations, the presence of mainly clay soils with slow percolation rates were discovered. Percolation rates ranged from 53 minutes per inch (mpi) to as high as 480 mpi. Wyoming Department of Environmental Quality/Water Quality Division Regulations do not allow for conventional septic systems in soils with percolation rates higher than 60 mpi. For this reason, the consultant has recommended that all of the on-site wastewater systems utilize the replacement of these clay soils underneath the leach rock with a more permeable material such as sand, at a minimum depth of 2-4 feet below the rock.



The consultant used the Wehrmann model to evaluate the cumulative effect of nitrate concentrations at the down-gradient subdivision boundary. The result of this evaluation shows that the nitrate concentrations in the groundwater will be less than the upper limit of 10.0 mg/L at the property boundary.

The two-year horizontal travel time distance was calculated using a depth to seasonal groundwater of 5 feet, 15 feet, and 30 feet (depths determined from the borings done on site) and a horizontal hydraulic conductivity of 1 ft/day. Using these parameters, the two-year horizontal travel distance was calculated to be 170 feet, 145 feet, and 95 feet, respectively. The consultant has recommended minimum separation distances from septic systems to property boundaries for the varying areas of the subdivision.

The WDEQ has reviewed the information submitted and is satisfied that the use of on-site small wastewater systems is feasible, **provided that**, the following is added to the plat or all offers, solicitations, advertisements, contracts, and agreements relating to the subdivision, advising potential buyers of the following:

- 1) Septic Systems shall not be placed within 50 feet of property lines.
- 2) Septic Systems shall not be constructed greater than 4 feet below the ground surface.
- 3) Slopes on lots 14, 16, and 17 must be specifically verified during the septic system design.
- 4) Lot 1 and potentially the portion of Lot 2 west of Lot 1 must specifically be investigated to determine depth to seasonally high groundwater.
- 5) A Professional Engineer, licensed in the State of Wyoming, shall design each on-site septic system. Construction inspection must also be performed.
- 6) Septic Systems on Lot 1 and that portion of Lot 2 that is west of Lot 1 shall be a minimum of 171 feet from the southern property boundary; Septic Systems on Lots 3 through 13 shall be a minimum of 146 feet from the southern property line.
- 7) Septic Systems shall be designed such that there is 2-4 feet of sand (percolation rates between 10 and 30 minutes per inch) beneath the leach rock. The sand shall be compacted to 95% of the maximum dry density, or water settled. Septic Systems shall be sized using the 30 minutes per inch percolation rate even if the sand is tested between 10 and 30 minutes per inch.

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

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

The proposed water supply is to be individual on-site wells. The consultant estimates water usage at between 10,000 – 27,000 gallons per day, or 3.65 to 9.93 million gallons of water per year, based on 4 persons per lot and 125 gallons per person per day for average use and 340 gallons per person per day for maximum day use. The consultant states that the subdivision has surface water rights that will be distributed to each lot; therefore, the use of water from the wells will be prohibited for lawn water usage. The consultant further states that surface irrigation water is typically available for the subdivision May 1 through October 1.

The consultant estimated the adequacy of the groundwater by calculating the existing storage within the area. The estimates show that, with no recharge at all into the aquifer, "...the storage capacity should last the subdivision approximately 20-50 years using the maximum and minimum water consumption rates, respectively." Because the estimates were derived from wells in the surrounding area, the Wyoming Department of Environmental Quality/Water Quality Division requested that the developer and consultant drill a test well *within the subdivision area* to determine both the adequacy of the proposed water supply and the water quality. A test well was drilled along with an additional monitoring/exploratory well. The test well was drilled "...on the northwestern central portion of Lot17." A 24-hour pump test was performed, and the consultant states that "...it appears the well would sustain a minimum of 4-5 gallons per minute (gpm). Usage of a typical residential lot can range between 0.3 and 2 gpm. The upper limit is based on using the well for irrigation purposes." This subdivision will not be using well water for irrigation, therefore, the consultant further states that "...based on the findings within these two wells, there should be an adequate supply of groundwater at the site.

A sample of the water from this well was taken and tested for water quality, and the results indicate that, with "over the counter residential treatment systems", the water can be treated to drinking water standards. The consultant recommends that the water quality treatments outlined in the report be followed in order to ensure Class I drinking water standards are met.

The WDEQ has reviewed the information submitted and is satisfied that the use of on-site wells is feasible **provided that** the following, or similar, language is added to the plat or all offers, solicitations, advertisements, contracts, and agreements relating to the subdivision, advising potential buyers of the following:

- 1) Placement of water wells shall be a minimum of 50 feet from the property boundary.
- 2) Water wells shall be properly permitted, drilled and constructed. It is recommended that wells not be completed less than 80 feet below the ground surface. Any alluvium shall be properly plugged or isolated from the production zone. Drilling and completion are extremely important.
- 3) Water wells shall not be used for lawn watering.
- 4) Water treatment must be installed and maintained to ensure water quality. Periodic testing is also recommended to ensure treatment is adequate.
- 5) Alternative water sources may be necessary, due to uncertainty of groundwater conditions. Alternatives include: drilling deeper wells, connecting on to the Town of Ranchester's water supply, or constructing cisterns and hauling water.
- 6) Potential buyers/lot owners are advised to hire a reputable well drilling contractor and construct/complete their well within guidelines described in the State Engineer's Office (SEO) Rules and Regulations, Part III, Water Well Minimum Construction Standards. An approved permit from the Wyoming SEO is required prior to the drilling of a water well.

### **Conclusions:**

The department has **no "adverse" recommendation** on this proposed subdivision regarding the safety and adequacy of the proposed wastewater system (on-lot septic systems) and the water system that is proposed (individual water wells).

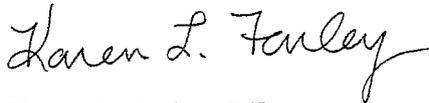
## Disclaimer

The Non-Adverse recommendation provided above has nothing to do with, nor has any bearing on the water rights associated the development. Any questions or concerns about the water rights for the development should be directed to the State Engineer's Office. A copy of the comments from the State Engineer's Office is attached.

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

Please do not hesitate to contact me at (307) 473-3478 or kfarle@state.wy.us if you have any questions on these recommendations.

Sincerely,



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

Enc: SEO Comments

cc: Randy Deones, Spirit Ridge, LLC Box 369, Buffalo, WY 82834  
Thomas J. Pilch, PE/PG, Pilch Engineering, 41 E. Burkitt Street, Sheridan, WY 82801  
Bruce Yates, P.E., Sheridan County Engineer, 224 S. Main Street, Suite B8, Sheridan, WY 82801  
Mike Ebsen, SEO (w/o enclosures)  
WDEQ Subdivision File  
~~EPS~~ (Cheyenne)



# State Engineer's Office

HERSCHLER BUILDING, 4-E CHEYENNE, WYOMING 82002  
(307) 777-7354 FAX (307) 777-5451  
seoleg@state.wy.us

DAVE FREUDENTHAL  
GOVERNOR

PATRICK T. TYRRELL  
STATE ENGINEER

29 August 2007

Received

AUG 30 2007

Casper DEQ

✓ Karen Farley, PE-Supervisor  
DEQ/WQD/Northeast District  
152 No. Durbin Street – Suite 100  
Casper, WY 82601

RE: Spirit Ridge Subdivision, Sheridan County  
WDEQ Application #07-542

Dear Ms. Farley:

State Engineers Office – Ground Water Division staff have reviewed the subdivision application referenced above in compliance with Wyoming Statue 18-5-306 (c) (i). The proposed 123 acre subdivision is to contain 20 lots ranging from approximately 2.3 to 37.5 acres. The submittal proposes Individual on-site septic systems and on-site water wells. As a part of our review, a cursory search of the State Engineer's records for existing appurtenant water rights was also conducted. We offer the following comments:

1. An approved permit from the Wyoming State Engineer's Office is required prior to the drilling of any water well. The proposed on lot wells must be constructed to meet or exceed State Engineers Office Rules and Regulations, Part III, Water Well Minimum Construction Standards.
2. The procurement of the necessary and appropriate State Engineer water right permit allows the applicant to attempt to develop a water supply adequate to meet the proposed needs, and is no guarantee that any water will be physically available.
3. Any well not to be used must be properly plugged and abandoned as outlined in the above referenced rules and regulations.
4. Several existing and subject water rights are of record as attaching to the subdivision lands. This being the case, this office must require that these water rights be addressed as outlined under Wyoming Statute 18-5-306 (a) (xi). Please note that this review submittal did not include this information, as specifically required by DEQ Water Quality Rules and Regulations, Chapter 23, Section 8 (a) (vi). However, on 25 July 2007 the Board of Control Division of the State Engineers Office received and is reviewing this required documentation.

Therefore, the State Engineers Office is generally supportive of approving the development of the proposed subdivision at this time. However, be advised that any number of events could occur at some point in the future which may preclude the State Engineer from issuing new permits for this type of activity. We do however hereby request a copy of the final county approved plat in order to assist new owners in properly filing new water right applications.

Thank you for this opportunity to comment. In all correspondence regarding these comments please reference State Engineer Subdivision Review Number 2007-82-53. If you have any questions, please feel free to contact me at (307) 777-6166, or if you prefer email, my address is [mebsen@seo.wyo.gov](mailto:mebsen@seo.wyo.gov).

Sincerely,



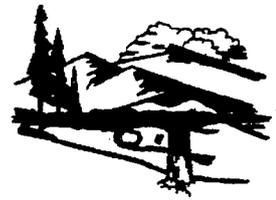
Mike Ebsen

Cooperative Programs Coordinator

Cc: Randy Deones, Spirit Ridge, LLC, Box 369, Buffalo, WY 82834  
Tom Pilch, PE/PG, 41 East Burkitt Street, Sheridan, WY 82801  
Michael B. Whitaker, Superintendent, Water Division No. II  
Pat Boyd, Hydrographer-Commissioner, Water District No. 6  
Don McKenzie, DEQ-WQD, Environmental Program Manager  
John Barnes, Administrator, Surface Water Division  
Lisa Lindemann, Administrator, Ground Water Division  
Allan Cunningham, Adjudication Officer, Board of Control Division, #2007-30-2-5  
Bruce Yates, PE, Sheridan Co. Engineer, 224 So. Main St. – Suite B8, 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

January 10, 2008

RPR, LLC  
Attn: William E. Russell, President  
102 N. 2<sup>nd</sup> Avenue  
Douglas, Wyoming 82633

RE: United One Addition, Douglas, WY – Water & Sewer Extensions,  
Application No. **07-809**  
Location: NE¼, Section 7, T32N, R71W, Converse County

Dear Mr. Russell:

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

1. Additions to Wyoming Public Works Standard Specifications for Waterline Construction:
  - a. Section 2665 E.6 - Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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- b. Section 2675 D - Flushing shall achieve minimum velocities of at least 5 feet per second for pipelines 12 inches in diameter or less. Flushing shall be through flush valves and a discharge pipe to the surface. Fire hydrants shall not be flushed until after the water main or distribution line is flushed.

The approval granted under this Notification Of Coverage and the General Permit shall expire on January 10, 2010. Please reference Application Number **07-809** in any future correspondence.

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

Sincerely,



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

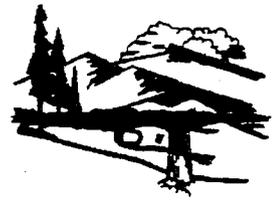
RLE/cs/8- 014

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  
Robert Bennett, P.E., CEPI, 6080 Enterprise Dr., Casper, Wyoming 82609



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

November 29, 2007

Mr. George Krell  
LARAMIE REGIONAL AIRPORT BOARD  
555 GENERAL BREES RD  
LARAMIE, WY 82070

RE: INDUSTRIAL/COMMERCIAL FACILITY-LARAMIE REGIONAL AIRPORT  
Application No. **07-810**, Albany County

Dear Mr. Krell:

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 a 12" water line extension with fire hydrants and 2" diameter pressure sewer lines, SW1/4 Section 26 T16N R74W; 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 construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2010.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-810** in any future correspondence.

Sincerely,

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

LBH/cs/7-1031

cc: IPS, Cheyenne

JOHN GALBREATH  
COFFEY ENGINEERING & SURVEYING  
903 E GRAND AVENUE  
LARAMIE WY 82070

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# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 29, 2008

David G. Westling, Assistant City Engineer  
City of Green River  
50 E. 2<sup>nd</sup> N  
Green River, WY 82935

RE: 2008 Visitors Center Sanitary Sewer; Permit Number 07-811, SW1/4 Section 15, T18N, R107W, Sweetwater County, Wyoming

Dear Mr. Westling:

The application for coverage under General Permits to Construct a sewer main extension of 1400 feet of 8 inch PVC serving the Visitor Center located in the Northwest established area of Green River in accordance with Chapter 3, Section 7 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the 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,

Perry Roberson  
Engineering Consultant  
Water Quality Division

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

xc: IPS, Cheyenne

encl: General Permit for a Sewage Collection System,



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 07-812

REFERENCE PERMIT NO. N/A

Replacement of the Cole No. 3A Well  
Municipal Water Supply Well for the City of Sundance

This permit hereby authorizes the applicant:

City of Sundance  
P.O. Box 542  
Sundance, WY 82729

to drill, construct, develop and test the Cole No. 3A Replacement well, according to the procedures and conditions of the application number 07-812. The facility is located approximately 30 feet from the site of the existing Cole No. 3A well, in the SW  $\frac{1}{4}$  SE  $\frac{1}{4}$  of Section 25, T52N, R63W of the Sixth P.M., in Crook County, Wyoming. All construction, installation, or modification allowed by this permit shall be completed within one year of issuance.

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

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

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

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

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

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

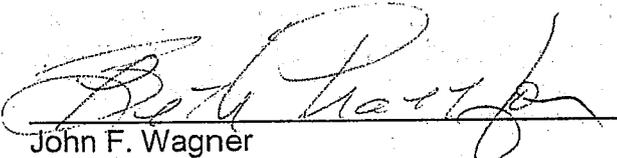
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

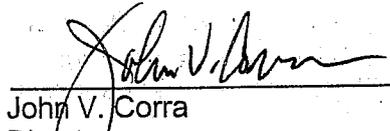
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

- 1 of 5 The applicant will provide immediate oral or written notice to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601, Phone 307-473-3465, FAX 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 4 of 5 Disinfection in accordance with Chapter 12, Section 9(b)(A)(II) shall be performed.
- 5 of 5 The applicant will perform yield and drawdown tests in accordance with Chapter 12, Section 9(b) (ii). Results of these tests are to be provided with the Certificate of Completion.

AUTHORIZED BY:

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

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

2/21/08  
\_\_\_\_\_  
Date of Issuance

KLF/rm/8-0136

cc: Ralph W. Goodson, Bearlodge Ltd., Inc., P.O. Box 130, Sundance, WY 82729

## STATEMENT OF BASIS

1. Permit Number: **07-812**
2. Application reviewed for compliance with the following applicable regulations :  
Chapter 3, Chapter 11 & Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?  
YES
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.  
N/A
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley, P.E., and completed on February 20, 2008. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



The State  
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## Department of Environmental Quality

John Corra, Director

Dave Freudenthal, Governor

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

February 12, 2008

Brent Thumma, P.E.  
8 Doe Ct.  
Gillette, WY 82718

RE: Return of Application for the 5901 Hannum Road Septic Systems, WDEQ #07-813  
Campbell County

Dear Mr. Thumma:

Our office received an application for a Permit to Construct on November 21, 2007, for the two small commercial wastewater systems for the property located at 5901 Hannum Road. We performed a review of the application and sent this review to the above address on January 2, 2008. The review stated that if our department did not receive the information requested within **one** month, we would return the incomplete application to you. As of today, February 12, 2008, we have not received the requested information. Therefore, in accordance with Wyoming Department of Environmental Quality/Water Quality Rules and Regulations Chapter 3, Section 14 – Denial of a Permit or Coverage under a General Permit, we are returning all of the application materials to you, as we are unable to process your application without the required information.

You can resubmit the application at any time. It will be assigned a new DEQ tracking number and will be reviewed in accordance with Chapter 3 of the Wyoming Department of Environmental Quality/Water Quality Rules and Regulations.

If you have any questions, please contact me at (307) 473-3465 or [kfarle@state.wy.us](mailto:kfarle@state.wy.us).

Sincerely,

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

Enclosures: application materials

cc: Jerry R. Means, P.O. Box 2155, Gillette, WY 82717 (w/o encl)  
WDEQ File (w/o encl)  
IPS (w/o encl)





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## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

February 12, 2008

Joe Stefan  
6 Hays Blvd.  
Pine Haven, WY 82721

RE: Return of Application for the Joe Stefan Residential Septic System, WDEQ #07-814  
Crook County

Dear Mr. Stefan:

Our office received an application for a Permit to Construct on November 21, 2007, for a small residential wastewater system for the property located in Crook County. We performed a review of the application and sent this review to the above address on December 20, 2007. The review stated that if our department did not receive the information requested within **one** month, we would return the incomplete application to you. As of today, February 12, 2008, we have not received the requested information. Therefore, in accordance with Wyoming Department of Environmental Quality/Water Quality Rules and Regulations Chapter 3, Section 14 – Denial of a Permit or Coverage under a General Permit, we are returning all of the application materials to you, as we are unable to process your application without the required information.

You can resubmit the application at any time. It will be assigned a new DEQ tracking number and will be reviewed in accordance with Chapter 3 of the Wyoming Department of Environmental Quality/Water Quality Rules and Regulations.

If you have any questions, please contact me at (307) 473-3465 or [kfarle@state.wy.us](mailto:kfarle@state.wy.us).

Sincerely,

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

Enclosures: application materials

cc: Vince Waters, NEWSO, 647 McKean Rd., Moorcroft, WY 82721 (w/o encl)  
WDEQ File (w/o encl)  
IPS (w/o encl)





# 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

February 04, 2008

Stephen B. Smith, Mayor  
Town of Pinedale  
P.O.Box 709  
Pinedale, WY 82941

RE: Town of Pinedale - Phase 3 Sewer and Water Rehabilitation Project - Permit Number 07-815, NE1/4 Section 4, T33N, R109W, Sublette County, PWS#WY5600041

Dear Stephen Smith:

The above application for coverage under General Permits to Construct water main modifications for replacement of 2150 feet of looped water main with 8-inch D.I.P. and sewer main replacement consisting of 4804, 1467 and 1157 linear feet respectively with 18, 12 and 8 inch PVC to serve Pinedale residences 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 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,

Perry Roberson  
Consulting Engineer  
Water Quality Division

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

xc: IPS, Cheyenne  
Brian Gray P.E. WLC Engineering, Surveying & Planning, P.O. Box 1519, Pinedale, WY 82941  
encl: General Permit for a Public Water Supply Distribution System  
General Permit for a Sewage Collection System

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

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

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

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

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

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





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

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### NOTIFICATION OF COVERAGE

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December 17, 2007

Kay Havner  
17079 US Hwy 14  
Moorcroft, WY 82721

RE: Havner Residential Small Wastewater System, Crook County  
Permit # 07-816

Dear Ms. Havner:

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

In addition, the following permit conditions apply:

Special Requirements for serial sidehill trench systems:

- 1) A minimum of three feet of undisturbed soil shall be maintained between adjacent trench walls;
- 2) The bottom of each serial trench system shall be level;
- 3) The overflow pipe between serial leach systems shall be set no higher than the mid-point of the upstream distribution pipe. The overflow pipe shall not be perforated.

If you have any questions, please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3465. Thank you.

Sincerely,

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

Enclosures: General Permit, Certificate of Completion

cc: IPS, Cheyenne  
WDEQ File  
Tim Lyons, Crook County, P.O. Box 848, Sundance, WY 82729  
Ivan Cranston, 16973 US Hwy 14, Moorcroft, WY 82721



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

PERMIT NO. 07-817

Cedar Draw Project: 31-28-5375, 12-33-5375, 33-21-5375

This permit hereby authorizes the applicant:

Williams Production RMT Company  
Attn.: Mr. Tom Doll  
300 North Works  
Gillette, WY 82716

to have installed three compliance monitoring wells according to the procedures and conditions of the application number 07-817. The facilities are proximal to the on channel coalbed methane produced water impoundments located in Township 53N, Range 75W, Sections 21, 28 and 33 in the county of Campbell, in the State of Wyoming. All construction, installation, or modification allowed by this permit has been completed.

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

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

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

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

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

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

3 of 4: Monitoring Requirements:

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

- Measurement of static water level and sampling and analysis of groundwater at downgradient wells MW 31-28, MW 12-33, MW 33-21
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup>, and October 15<sup>th</sup> of each year. The first set of data will be due by **April 15, 2008**.

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

**Cedar Draw 31-28-5375**

Parameter	MW 31-28 Background Value (mg/L) (08/31/2007)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	ND	≥ 0.16	0.2
Selenium	ND	≥ 0.04	0.05
Sulfate	2670	≥ 2835	3000
Total Dissolved Solids (TDS)	4360	≥ 4680	5000
pH	7.9	≤ 8.15	6.5 – 8.5 (s.u)

**Cedar Draw 12-33-5375**

Parameter	MW 12-33 Background Value (mg/L) (08/31/2007)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.021	≥ 0.16	0.2
Selenium	ND	≥ 0.04	0.05
Sulfate	508	≥ 2400	3000
Total Dissolved Solids (TDS)	1270	≥ 4000	5000
pH	7.9	≤ 8.15	6.5 – 8.5 (s.u.)

**Cedar Draw 33-21-5375**

Parameter	MW 33-21 Background Value (mg/L) (12/19/2007)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	ND	≥ 0.16	0.2
Selenium	ND	≥ 0.04	0.05
Sulfate	2980	≥ 2990	3000
Total Dissolved Solids (TDS)	4720	≥ 4860	5000
Ph	6.7	≤ 8.15	6.5 – 8.5 (s.u)

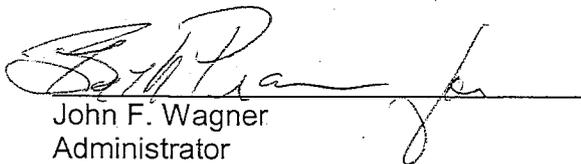
Trigger values, specific to the groundwater samples at each impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with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

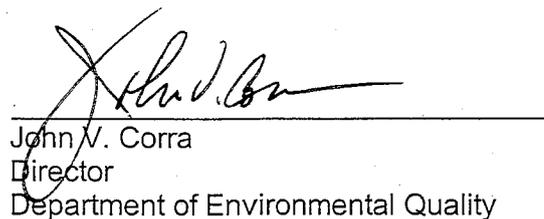
The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>).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

4 of 4: Exceedence

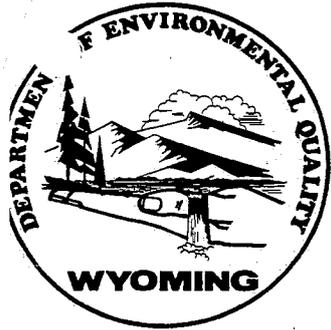
Any exceedence of a groundwater quality standard listed in the preceding table, or as applicable in Table I of Chapter 8, Water Quality Rules and Regulations is a violation of this permit. If an exceedence of groundwater standards occurs as a result of the operation of the impoundment the WDEQ may require, among other things, further investigation of the groundwater impacts, remediation of the groundwater impacts, and cessation of discharge into the impoundment.

AUTHORIZED BY:

  
 John F. Wagner  
 Administrator  
 Water Quality Division

  
 John V. Corra  
 Director  
 Department of Environmental Quality

2/21/08  
 Date of Issuance



**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:** 07- 817

**SITE (POD) NAME:**   Cedar Draw Unit: Multiple Reservoirs 31-28-5375, 12-33-5375, and 33-21-5375

**APPLICANT:**       Williams Production RMT company  
                          Attn.: Ms. Peggy Carter  
                          300 North Works  
                          Gillette, WY 82716

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

**LOCATION:**         Drainage: Cedar Draw, tributary to Wild Horse Creek,  
                          Tributary to Powder River and unnamed tributary to Lake  
                          Draw, tributary to Middle Prong Wild Horse Draw, tributary  
                          to Wild Horse Creek, tributary to Powder River  
                          County: Campbell, Sections 21, 28 and 33  
                          Township 53 North; Range 75 West

**WYPDES No:**        Discharge Permit: WY-0055794; WY-0055174; WY-0054585

**DATE ON REPORT:**   (Initial) October 11, 2007

**REVIEWING OFFICIAL:** Pete Vogel, P.G. Geologic Project Analyst

**DATE OF THIS REVIEW:**   February 14, 2008

**ACTION:**       Compliance Monitoring Plan authorized for Cedar Draw 31-28-5375,  
                          12-33- 5375, and 33-21-5375 impoundments pursuant to conditions on  
                          permit # 07-817

## COMMENTS: GROUNDWATER SECTION

### 1.0 SITE SUMMARY:

#### 1.1 Site Description.

Watershed Name: Cedar Draw, tributary to Wild Horse Creek, Tributary to Powder River and unnamed tributary to Lake Draw, tributary to Middle Prong Wild Horse Draw, tributary to Wild Horse Creek, tributary to Powder River

Groundwater Classification:

Class 1 (domestic)

Class 2 (agricultural)

Class 3 (livestock) 3

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

**Table 1. Basis for Ground Water Classification by impoundment Name covered under Permit 07- 817**

Impoundment Name	Down Gradient Monitoring Well	Sulfate Concentration and Classification	TDS Concentration and Classification	SAR Calculation	Overall Groundwater Class
31-28-5375	MW 31-28	2670 - III	4360 - III	6.0	III
12-33-5375	MW 12-33	508 - III	1270 - II	0.5	III
33-21-5375	MW 33-21	2980 - III	4720 - III	5.6	III

#### **Description of Hydrogeology:**

Water levels in the wells associated with all of these impoundments indicate water table or near water table conditions. Additional initial concerns related to the proximity of natural springs located approximately 1200 feet north of impoundment 33-21-5375. WDEQ requested evidence that the infiltrating CBM produced water would not resurface through these springs. The evidence provided included chemical data of the many springs, a structure contour map on the Felix Coal (the first water bearing zone at impoundments 31-28-5375 and 12-33-5375), supporting photos and inclusion of a well not previously noted.

The above data confirmed that the Felix Coal is the host formation of the numerous springs found in the unmanned tributary to and immediately west of Lake Draw. The data also determined that this coal is the first water bearing zone in the monitoring wells associated with impoundments 31-28-5375 and 12-33-5375.

Structural interpretation shows Impoundment 31-28-5375 to be located on a very localized structural northeasterly trending "high" and therefore placing

these springs along strike. Potentiometric contours maps suggest that the localized ground water flow differs from the regional north-northwest flow direction. This interpretation is confirmed by chemical data that places TDS in the spring water at 6600 PPM (Class IV) while the well water is 4360 PPM (Class III). The conclusion is that there is little risk of the CBM produced water surfacing either at the springs or elsewhere. Additionally, monitoring well MW-31-28 is on strike and in line with the spring closest to impoundment 31-28-5375. This well provides a good level of surface water protection.

There are no springs noted in close proximity to impoundment 12-33-5375.

The first ground water occurrence in MW 33-21 at 33-21-5375 is in sandstone. Photos supplied verify the presence, in outcrop, of a channel sandstone. As such, the sandstone represents either an erosion channel or perhaps a syndepositional feature, penecontemporaneous with coal formation.

As mentioned, the presence of a stock well was inadvertently omitted in the initial report. This well (P68592W) is approximately 200 feet east of the small volume impoundment 33-21-5375 (3.5 ac-ft) and based on the structure contour map is up dip of 33-21-5375. P68592W has a windmill installed that is currently inoperable although the pump rods are still in the well bore. Therefore, a water level could not be taken. Based on visual and photographic evidence, the well appears to have been in a poor state of repair for an extended period.

Placement of MW-33-21 (approximately ½ way between the impoundment and the stock well) allows for its use as a sentry well providing monitoring protection for the stock well (P68592W). The resultant conclusion is that there is limited risk to this well.

**Table 2. Names of Impoundments covered under Permit 07-817**

Impoundment Name	Capacity (acre/ft)	Qtr	Qtr	Section	Town.	Range	Down gradient Monitoring Well
31-28-5375	13.2	NENE		28	53N	75W	MW 31-28
12-33-5375	9.4	SWNW		33	53N	75W	MW 12-33
33-21-5375	3.5	NESE		21	53N	75W	MW 33-21

No other domestic, agricultural or livestock wells are noted in the immediate area that will be impacted. No seeps or springs other than those shown on the maps are noted in the immediate area.

**THIS SPACE INTENTIONALLY LEFT BLANK**

## 2.0 MONITORING AND REPORTING REQUIREMENTS

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

- Measurement of static water level and sampling and analysis of groundwater at downgradient wells: MW 31-28, MW 12-33, MW 33-21
- Reporting results of quarterly monitoring and sampling to the department by January 15<sup>th</sup>, April 15<sup>th</sup>, July 15<sup>th</sup>, and October 15<sup>th</sup> of each year. The first set of data will be due by April 15, 2008
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundment:

**Cedar Draw 31-28-5375**

Parameter	MW 31-28 Background Value (mg/L) (08/31/2007)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	ND	≥ 0.16	0.2
Selenium	ND	≥ 0.04	0.05
Sulfate	2670	≥ 2835	3000
Total Dissolved Solids (TDS)	4360	≥ 4680	5000
pH	7.9	≤ 8.15	6.5 – 8.5 (s.u.)

**Cedar Draw 12-33-5375**

Parameter	MW 12-33 Background Value (mg/L) (08/31/2007)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.021	≥ 0.16	0.2
Selenium	ND	≥ 0.04	0.05
Sulfate	508	≥ 2400	3000
Total Dissolved Solids (TDS)	1270	≥ 4000	5000
pH	7.9	≤ 8.15	6.5 – 8.5 (s.u.)

**Cedar Draw 33-21-5375**

Parameter	MW 33-21 Background Value (mg/L) (12/19/2007)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	ND (dissolved)	≥ 0.16	0.2
Selenium	ND (dissolved)	≥ 0.04	0.05
Sulfate	2980	≥ 2990	3000
Total Dissolved Solids (TDS)	4720	≥ 4860	5000
Ph	6.7	≤ 8.15	6.5 – 8.5 (s.u.)

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

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

**END OF REVIEW**

**AWV/rm/8-0135**



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

December 12, 2007

Mr. Robert Sieveke, Mayor  
Town of Pine Haven  
24 Waters Drive  
Pine Haven, WY 82721

RE: Vista Grande Drive Waterline and 2" Waterline Service to Pine Haven Lagoon  
Application No. 07-818

Dear Mayor Sieveke:

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

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

Sincerely,

*Kevin J. Frank*

Kevin J. Frank, PE  
Engineering Consultant  
Water Quality Division

cc: IPS, Cheyenne  
Stetson Engineering; 4901 S. Douglas Hwy., Ste. #3; Gillette, WY 82717





The State  
of Wyoming



# Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

## NOTIFICATION OF COVERAGE

February 15, 2008

John and Judy McCormick  
Box 832  
Gillette, WY 82717

RE: McCormick Residential Small Wastewater System, Crook County  
Permit # 07-819

Dear Mr. and Mrs. McCormick:

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

**Additionally, the following permit conditions apply:**

**1) Cleanouts – Cleanouts shall be provided every 100 feet maximum.**

If you have any questions, please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3465. Thank you.

Sincerely,

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

Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
WDEQ File  
Tim Lyons, Crook County, P.O. Box 848, Sundance, WY 82729

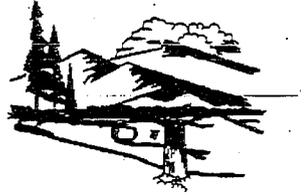
Page 1 of 1





# Department of Environmental Quality

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



Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 12, 2007

Dee J. Hillberry, President  
Hot Springs County Economic Development Company  
420 Broadway  
Thermopolis, WY 82443

RE: Red Rock Business Phase 1 Water & Sewer Main Project, Permit Number: 07-820,  
E ½ NE ¼, Section 14, T42N, R95W, Hot Springs County

Dear Mr. Hillberry:

This project involves the installation of approximately 1,295 linear feet of 8-inch water line and 1,136 linear feet of 10-inch sewer line which will serve 12 commercial lots. 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 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.  
Northwest District Engineer  
Water Quality Division

xc: IPS, Cheyenne  
Thomas Axthelm, P.E., Inberg-Miller Engineers, 124 East Main St., Riverton, WY 82501  
Harry Hughes, P.E., S. Thermopolis Water & Sewer District, P.O. Box 204, Thermopolis, WY 82443

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

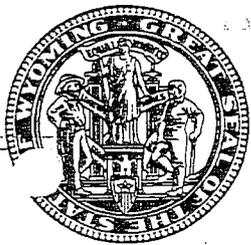
AIR QUALITY  
(307) 332-6755  
FAX 332-7726

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

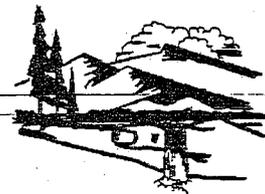
SOLID & HAZARDOUS WASTE  
(307) 332-6924  
FAX 332-7726

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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 13, 2007

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

RE: Wyoming Avenue Waterline Replacement, Permit Number: 07-821, SW ¼ NE ¼,  
Section 31, T53N, R101W, Park County

Dear Mayor Sedam:

This project involves the installation of 318 linear feet of 8-inch water line and fire hydrant to replace an undersized 2-inch water line. The above application for coverage under General Permit to construct water distribution lines 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 me at 307-335-6961.

Sincerely,

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

xc: IPS, Cheyenne  
Stephen W. Payne, P.E., City of Cody, P.O. Box 2200, Cody, WY 82414

enci: General Permit For a Public Water Distribution System

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

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

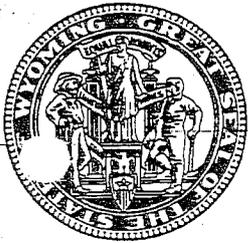
AIR QUALITY  
(307) 332-6755  
FAX 332-7726

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

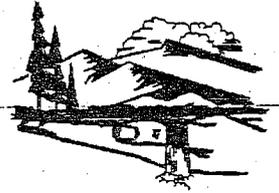
SOLID & HAZARDOUS WASTE  
(307) 332-6924  
FAX 332-7726

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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 13, 2007

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

RE: 23<sup>rd</sup> Street Waterline Replacement, Permit Number: 07-822, SW ¼ NE ¼, Section 6, T53N, R101W, Park County

Dear Mayor Sedam:

This project involves the installation of 668 linear feet of 6-inch water line with a fire hydrant to replace an existing 2-inch water line. The above application for coverage under General Permit to construct water distribution lines 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 me at 307-335-6961.

Sincerely,

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

xc: IPS, Cheyenne  
Stephen W. Payne, P.E., City of Cody, P.O. Box 2200, Cody, WY 82414

encl: General Permit For a Public Water Distribution System

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

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

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

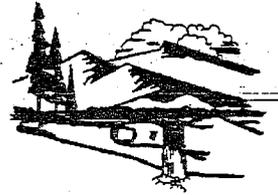
SOLID & HAZARDOUS WASTE  
(307) 332-6924  
FAX 332-7726

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

December 13, 2007

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

RE: Meadow Lane Avenue Waterline Replacement, Permit Number: 07-823, NW ¼ NE ¼, Section 1, T52N, R102W, Park County

Dear Mayor Sedam:

This project involves the installation of 438 linear feet of 6-inch water line to replace a leaky and undersized 4-inch water line. The above application for coverage under General Permit to construct water distribution lines 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 me at 307-335-6961.

Sincerely,

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

xc: IPS, Cheyenne  
Stephen W. Payne, P.E., City of Cody, P.O. Box 2200, Cody, WY 82414

encl: General Permit For a Public Water Distribution System





# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 19, 2007

Zane White  
P.O. Box 2353  
Pinedale, WY 82941

RE: White Mountain Drilling, Lot 63, Sand Draw Industrial Park, Phase II –  
Small Waste Water System – Permit Number 07-825R, NW ¼, Section 5,  
T30N, R107W, Sublette County

Dear Mr. White:

The above application for coverage under General Permit to Construct a conventional wastewater treatment and disposal system to serve the new 2 person warehouse with a 120 sq ft leach field has been reviewed and is hereby approved. You are authorized to construct the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

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

Sincerely,

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

Steve Warner  
Reviewer

xc: IPS, Cheyenne

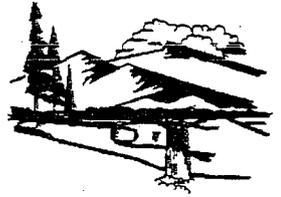
Keith Raney, Sublette County Environmental Health, P.O. Box 722, Pinedale, WY  
82941

Encl: General permit for one Small Waste Water Systems





# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

December 28, 2007

Kent Connelly, Chairman  
Lincoln County Board of Commissioners  
925 Sage Avenue, Suite 302  
Kemmerer, WY 83101

RE: Triple T Ranches Subdivision, Lincoln County, and WDEQ Application #07-826

Dear Mr. Chairman:

The Wyoming Department of Environmental Quality (WDEQ) has completed the review of the above referenced subdivision pursuant to W.S. 18-5-306. The WDEQ has an 'Non-Adverse' recommendation on this proposed subdivision. Our recommendation regarding the feasibility of the proposed water and sewage systems pursuant to the requirements of W.S. 18-5-306 (c) is based on the following findings:

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

WDEQ finds conventional septic systems to be safe and adequate for the treatment and disposal of sewage. Percolation rates range from 0.6 to 16 minutes per inch. Since Lincoln County has been delegated by the department to issue small wastewater system permits it is the county's responsibility to ensure, prior to issuing the permits that all permit requirements and design standards of the on-lot septic systems will be met.

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

WDEQ has reviewed the proposal of Individual on-lot water well for each water system. The WDEQ finds the proposed water wells to be safe and adequate. The on-lot water wells must be constructed to meet or exceed the State Engineer's Office Rules and Regulations, Part III, Water Well Minimum Construction Standards.

**Conclusion(s):**

The department has an 'Non-Adverse' recommendation on this proposed subdivision.



Chairman  
Lincoln County Board of Commissioners  
December 28, 2007

**Disclaimer**

Nothing in WDEQ's recommendations or comments regarding the subdivider's proposal shall be construed to relieve the subdivider of their obligation to obtain any permits or additional approval from any local state or federal agencies/entities as required by law, rules and regulations, or ordinance. Nothing in these recommendations commits the WDEQ or the delegated county to the issuance of required permits for construction, operation, or modification of water supply and/or wastewater systems. It is the duty of the subdivider/developer to comply with all applicable federal, state and local requirements. Please do not hesitate to contact me at (307) 332-3144 if you have any questions on the recommendations or need any assistance on how to proceed with this application.

Sincerely,

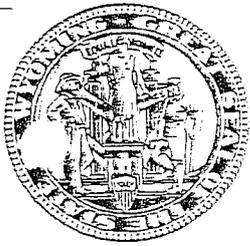


Mark Baron, P. E.  
Southwest District Engineer  
Water Quality Division

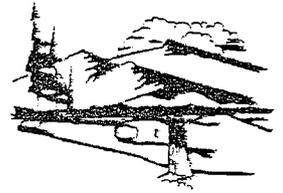
xc:

Ryan J. Erickson, P.E., Sunrise Engineering, Inc., P.O. Box 609, Afton, WY 83110  
Custom Construction, Inc., Ron Triple T Ranches, 4271 Willow Creek Ln., Bedford, WY 83112  
John Woodward, Lincoln County Office of Planning and Development, P.O. Box 414, Afton, WY 83110  
Mike Ebsen, Wyoming State Engineers Office, Herschler Building, 4th Floor East, Cheyenne, WY 82002  
Lou Harmon, WDEQ/WQD

IPS-Cheyenne  
chron & file(3)



# 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

January 30, 2008

Kent Connelly, Chairman  
Lincoln County Board of Commissioners  
925 Sage Avenue, Suite 302  
Kemmerer, WY 83101

RE: Targhee Landing PUD Subdivision, Lincoln County, and WDEQ Application #07-827

Dear Mr. Chairman:

The Wyoming Department of Environmental Quality (WDEQ) has completed the review of the above referenced subdivision pursuant to W.S. 18-5-306. The WDEQ has an 'Non-Adverse' recommendation on this proposed subdivision. Our recommendation regarding the feasibility of the proposed water and sewage systems pursuant to the requirements of W.S. 18-5-306 (c) is based on the following findings:

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

The WDEQ finds the following proposed sewage system to be safe and adequate. Wastewater Option 2 - Underground Injection Control (UIC) Centralized Enhanced Wastewater Treatment will be used to dispose of a maximum of 12,000 gallons per day of treated sewage effluent through a septic system and leach field. Wastewater Option 1- Underground Injection Control (UIC) Centralized Tertiary Wastewater Treatment, has been withdrawn as a proposed system.

Therefore the following language, or similar, language needs to be added to the plat and/or all offers, solicitations, advertisements, contacts, and agreements relating to the subdivision, advising potential buyers of the Wyoming Department of Environmental Quality's requirements for the construction of a central sewage system:

The proposed sewage system must be a central wastewater treatment system. This recommendation does not guarantee that the Wyoming Department of Environmental Quality will issue a Wyoming Water Quality Division Chapter 16 Underground Injection Control Permit for the sewage disposal system. It is the developer's responsibility to obtain a Chapter 16 Underground Injection Control Permit from the Wyoming Department of Environmental, Water Quality Division to authorize the construction of a wastewater treatment system with leach field.



Chairman  
Lincoln County Board of Commissioners  
January 30, 2008

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

The WDEQ finds both centralized water system proposals to be safe and adequate. Water Option 1 proposes a connection to the North Alpine Improvement and Service District and the construction of one water supply well. Water Option 2 proposes the construction an independent public water system consisting of a new water storage tank and the construction of two water supply wells. The report indicates that the groundwater moves 462 ft in two years. This means that any water supply well should be at least 462 ft from the nearest point of a leach field to prevent possible viral contamination from moving from the leachfield to the well (i.e.) the zone of contribution equals 462 ft.

Therefore the following language, or similar, language needs to be added to the plat and/or all offers, solicitations, advertisements, contacts, and agreements relating to the subdivision, advising potential buyers of the Wyoming Department of Environmental Quality's requirements for the construction of a public water supply systems:

It is the developer's responsibility to obtain a Chapter 3 Permit to Construct from the Wyoming Department of Environmental, Water Quality Division to authorize the construction of a public water supply system.

Conclusion(s):

The department has a 'Non-Adverse' recommendation on this proposed subdivision.

Disclaimer

Nothing in WDEQ's recommendations or comments regarding the subdivider's proposal shall be construed to relieve the subdivider of their obligation to obtain any permits or additional approval from any local state or federal agencies/entities as required by law, rules and regulations, or ordinance. Nothing in these recommendations commits the WDEQ or the delegated county to the issuance of required permits for construction, operation, or modification of water supply and/or wastewater systems. It is the duty of the subdivider/developer to comply with all applicable federal, state and local requirements. Please do not hesitate to contact me at (307) 332-3144 if you have any questions on the recommendations or need any assistance on how to proceed with this application.

Sincerely,



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

Chairman  
Lincoln County Board of Commissioners  
January 30, 2008

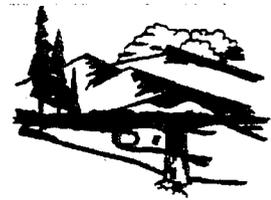
xc:

Robert T. Ablondi, P.E., Rendezvous Engineering, PC, P.O. Box 2355, Jackson, WY 83001  
Mary McSorley, P.O. Box 7545, Jackson, WY 83002  
John Woodward, Lincoln County Office of Planning and Development, P.O. Box 414, Afton, WY  
83110  
Mike Ebsen, Wyoming State Engineers Office, Herschler Building, 4th Floor East, Cheyenne,  
WY 82002  
Lou Harmon, WDEQ/WQD, Cheyenne  
John Wagner, WDEQ/WQD, Cheyenne  
IPS-Cheyenne

chron & file(3)



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 7, 2007

FRIH MESSER  
MILLER INSULATION  
308 SOUTHWEST  
CHEYENNE, WY 82007

RE: MILLER INSULATION-6" FIRE SERVICE, Application No. **07-828**  
Laramie County

Dear Mr. Messer:

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 a 6" diameter fire line extension, NE1/4 Section 31 T14N R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2010.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-828** in any future correspondence.

Sincerely,

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

LBH/cs/7-1045

cc: IPS, Cheyenne

LAWRENCE R GALLAGHER  
SUMMIT ENGINEERING  
5907 TOWNSEND PLACE  
CHEYENNE WY 82009

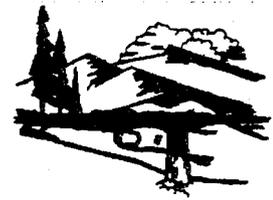
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 7, 2007

Cheyenne Public Works  
2101 O'NEIL AVE  
CHEYENNE, WY 82001

RE: CITY OF CHEYENNE PUBLIC WORKS SHOP, Application No. **07-829**,  
Laramie County

Dear People:

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 a 6" diameter fire line extension, 1/4 Section 3 T13N R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2010.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-829** in any future correspondence.

Sincerely,

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

LBH/cs/7-1044

cc: IPS, Cheyenne

LAWRENCE R GALLAGHER  
SUMMIT ENGINEERING  
5907 TOWNSEND PLACE  
CHEYENNE WY 82009

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ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 7, 2007

Deborah J. Nelson  
418 DeFrance Drive  
Golden, Colorado 80401

RE: Nelson Residential Septic System,  
Location: SE¼ SE¼, Section 24, T24N, R68W,

Application No. **07-830**  
Platte County

Dear Mrs. Nelson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **2 bedroom** house in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific conditions also apply:

- A. Length of Leachfield Trenches - the two leachfield trenches proposed in the application are too short (due only to a miscalculation). The two trenches are proposed to be 40 feet long each; but instead, **both of the leachfield trenches shall be a minimum of 65 feet long.**
- B. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.

The approval granted under this Notification Of Coverage and the General Permit shall expire on December 8, 2009. Please reference Application Number **07-830** in any future correspondence.

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

ADMIN/OUTREACH  
(307) 777-7937  
FAX 777-3610

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

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

INDUSTRIAL SITING  
(307) 777-7369  
FAX 777-5973

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

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

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



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

Sincerely,

*Louie B. Harmon*

*for*

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

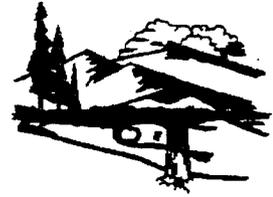
RLE/cs/7-1047

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

cc: IPS, Cheyenne  
Platte County Planner, Marlin Johnson, P.O. Box 728, Wheatland, Wyoming 82201  
Jack Jones, Installer, 180 YO Ranch Road, Wheatland, Wyoming 82201



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 17, 2008

Shawn Stroud  
11 Ingram Road  
Hartville, Wyoming 82215

RE: Stroud Residential Septic System,  
Location: NW¼, Section 3, T27N, R66W,

Application No. **07-831**  
Platte County

Dear Mr. Lewis:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **5 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:

HDPE Septic Tank Installation Requirements - To ensure structural integrity, the **manufacturer's instructions** regarding bedding the tank and filling the tank with water during burial **must be followed during installation**. Additionally, immediately after clean-outs, the tank must be refilled with water according to the manufacturer's instructions to maintain structural integrity.

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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The approval granted under this Notification Of Coverage and the General Permit shall expire on January 17, 2010. Please reference Application Number 07-831 in any future correspondence.

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.  
Consulting Engineer  
Southeast District, Water Quality Division

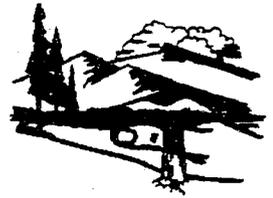
RLE/rm/8-0048

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

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



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

February 4, 2008

Mayor John Burns  
TOWN OF CHUGWATER  
PO BOX 243  
CHUGWATER, WY 82210

RE: CHUGWATER BUSINESS PARK & LIGHT INDUSTRIAL PARK W&S EXT.,  
Application No. **07-832**, Platte County

Dear Mayor:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as water and sewer extensions to the business and industrial parks, Section 30 T21N R66W; Platte County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2011.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-832** 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/rm/8-0098

cc: IPS, Cheyenne

Jennifer M. Russell, States West Water Resources, 1904 E. 15<sup>th</sup> St., Cheyenne, WY 82001

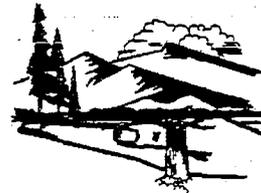
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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# Department of Environmental Quality



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

John Corra, Director

Dave Freudenthal, Governor

## NOTIFICATION OF COVERAGE

December 14, 2007

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

RE: Airport Lift Station Elimination & Sewer Line Extension Project, Permit Number:  
07-833, SW ¼ NE ¼, Section 5, T53N, R101W, Park County

Dear Mayor Sedam:

This project involves the installation of 1,705 linear feet of 8-inch sewer line and eight four-foot diameter manholes to eliminate a lift station and to reroute sewage flow via a new sewer line extension. The above application for coverage under General Permit to construct water distribution lines 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 me at 307-335-6961.

Sincerely,

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

xc: IPS, Cheyenne  
Stephen W. Payne, P.E., City of Cody, P.O. Box 2200, Cody, WY 82414  
Stephanie Seymaski, P.E., Morrison Maierle, Inc., 315 N. 25<sup>th</sup> St., Suite 102, Billings, MT 59101

enci: General Permit For an Existing Sewage Collection System

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

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

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

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

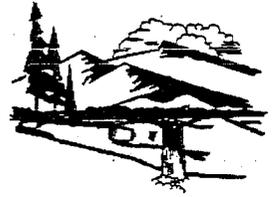
SOLID & HAZARDOUS WASTE  
(307) 332-6924  
FAX 332-7726

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





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 31, 2007

Robert Oliver  
205 Ehman Lane  
Pinedale, WY 82941

RE: Oliver Residential Septic System – Small Waste Water System – Permit Number 07-834R, Lot 15, Boar's Tusk Subdivision, Section 29, T20N, R105W, Sweetwater County

Dear Mr. Oliver:

The above application for coverage under General Permit to Construct a conventional wastewater treatment and disposal system to serve the residence and shop with a 1,286 sq ft leach field has been reviewed and is hereby approved,

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

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

Sincerely,

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

Steve Warner  
Reviewer

xc: IPS, Cheyenne  
Chuck Sykes, Environmental Health Services, 550 Uinta Drive, Suite D, Green River WY 82935

Encl: General permit for one Small Waste Water Systems



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 07-835

Reference Permit WYPDES No. WY0021920

Van Horn Lift Station

This permit hereby authorizes the applicant:

Town of Mills  
704 4th Street  
Mills, Wyoming 82644

to construct, install or modify a replacement lift station and miscellaneous associated gravity sewer and force main according to the procedures and conditions of the application number 07-835. The facility is located in NE1/4 Section 7, Township 33 North, Range 79 West in the county of Natrona, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2008.

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

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

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

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

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

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

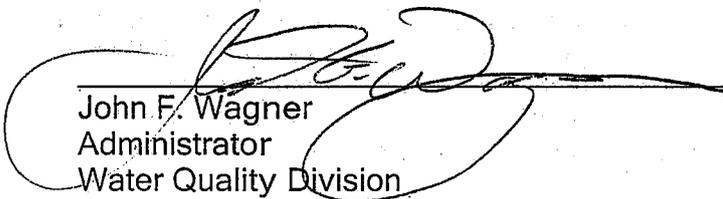
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

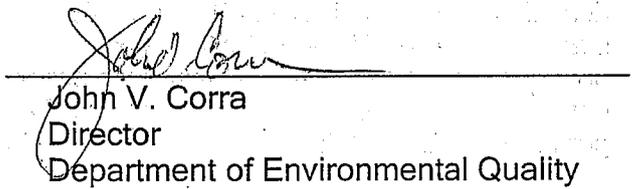
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

- 1 of 3 The applicant will provide immediate oral or written notice to the DEQ/WQD Casper Field Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations (WWQRR) 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 Casper Field Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

1/5/08  
Date of Issuance

KJF/rm/8-0075

## STATEMENT OF BASIS

1. Permit Number: 07-835
2. Application reviewed for compliance with the following applicable regulations:
  - a. Chapters 3 and 11.
3. Does the permit comply with all applicable regulations identified above?
  - a. yes
4. Facilities not specifically covered by regulations
  - a. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.  
Not applicable
  - b. Briefly state the basis for the deviation.  
Not applicable
5. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.  
Not applicable
6. 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 3, Wyoming Water Quality Rules and Regulations. This review was performed by Kevin Frank, SRF Program Engineering Consultant; and completed on January 25, 2008. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 07-836

Calpet, LLC  
Cell #9  
Commercial Oilfield Wastewater Evaporation Pond

This permit hereby authorizes the applicant:

Calpet, LLC  
P.O. Box 173  
Evanston, Wyoming. 82931-0173

to construct, install or modify Cell #9, an evaporative pond cell, for disposal of oilfield exploration and production wastewaters, at the existing Calpet facility, located approximately 13 miles southeast of Big Piney, Wyoming, according to the procedures and conditions of the application number 07-836. The facility is located in the south half of Section 21, Township 28 North, Range 113 West, in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by 2013.

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 10 The applicant will notify the CBM / Oil and Gas Group, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, WY 82601, Phone 307-473-3465, FAX 307-473-3458 of the date construction will begin and the estimated completion date.
- 2 of 10 The applicant will provide immediate oral or written notice to the CBM / Oil and Gas Group, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, WY 82601, Phone 307-473-3465, FAX 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 10 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the CBM / Oil and Gas Group, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, WY 82601, a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 4 of 10 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 5 of 10 Measurement of depth to groundwater and testing of groundwater is to be performed prior to filling any ponds at this facility. Groundwater monitoring will be conducted on a quarterly basis and results reported to DEQ within a month after receiving laboratory analytical reports. Samples will be submitted for the following analysis:
  - a) electrical conductivity
  - b) pH
  - c) chloride
  - d) sodium
  - e) alkalinity
  - f) sulfate
  - g) total dissolved solids

The analyte list and monitoring frequency are subject to revision as needed by CBM / Oil and Gas Group, Water Quality Division.

If groundwater monitoring indicates a release to groundwater, the CBM / Oil and Gas Group are to be notified immediately and a plan to investigate the extent of the release will be submitted to DEQ within 30 days after confirming the release for DEQ's approval. Following approval, the plan will be implemented.

6 of 10 The leak detection system is to be checked weekly for the first month following filling of a pond and monthly thereafter with a log kept of the inspection results. As new ponds are constructed, the leak detection system is to be checked weekly for the first month. If fluid is found, the DEQ CBM / Oil and Gas Group is to be notified immediately, and samples are to be pulled from the inspection pipes and tested for total petroleum hydrocarbons (TPH) by EPA Method 8015 (modified), chlorides, total dissolved solids (TDS) and sulfates. Results are to be reported to DEQ as soon as they are available. Testing requirements are subject to revision as needed.

If a leak is confirmed, the pond(s) will be pumped dry of all wastewater. No additional wastewater will be placed into the pond(s) until a complete inspection and test of the liner is completed.

7 of 10 Fluids in the ponds are to be checked annually for the following constituents. Each pond will be sampled and analyzed separately in accordance with the following list:

- a) electrical conductivity
- b) pH
- c) chloride
- d) sodium
- e) alkalinity
- f) sulfate
- g) barium
- h) total dissolved solids

The results of the pond analyses are to be reported to DEQ within one month after receiving laboratory analytical reports. The analyte list and monitoring frequency are subject to revision by CBM / Oil and Gas Group, Water Quality Division.

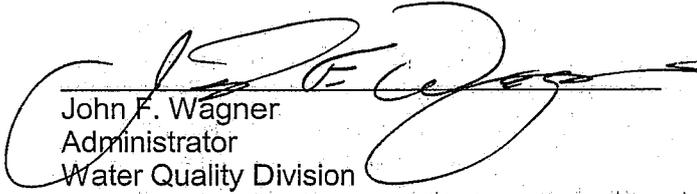
8 of 10 The facility is authorized to receive oilfield produced water and drilling fluid classified as exploration and production waste, exempt from RCRA regulations by EPA. Any other waste must be approved on a case by case basis by the DEQ and the owner. Prior to approval for disposal by DEQ/WQD, all other waste will be subject to rules, regulations, policies, and/or procedures related to hazardous waste determination and disposal, as issued or promulgated by DEQ/Solid and Hazardous Waste Division (SHWD).

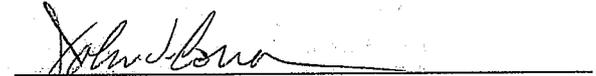
9 of 10 The validity of this permit is subject to the owner maintaining a bond acceptable to the State of Wyoming, DEQ/WQD for the amount of the facility closure and post-closure costs. This bonding amount is initially set at \$330,587. The bonding amount is subject to review on an annual basis.

10 of 10 An annual report will be submitted to DEQ CBM / Oil and Gas Group by April 1 of each year. The annual report will include relevant details of the construction, modification, and operation details of the facility from the previous year, any anticipated construction, modification and/or operational changes for the upcoming year. The report will include a discussion and analysis of the depth to groundwater, groundwater monitoring, leak detection monitoring and pond analysis.

A listing of all non exploration and production wastes accepted by the facility will also be included in the annual report. This listing shall include generator, type of waste, amount and date of disposal. The annual report will also include a review of the closure and post closure requirements, including financial costs. A renewal of the bond will be required as part of the annual report. Reporting requirements are subject to modification by DEQ.

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

4/2/08  
Date of Issuance

JDL/KJM/rm/8-0247

cc: Sublette County Planning and Zoning, 21 South Tyler Avenue, P.O. Box 506, Pinedale, WY 82941  
Uinta Engineering & Surveying, Inc., 808 Main Street, P.O. Box 746, Evanston, WY 82931-0746

## STATEMENT OF BASIS

1. Permit Number: **07-836**
2. Application reviewed for compliance with the following applicable 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 or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.
  - a. The permit includes approval to deviate from the following regulatory requirements:  
Not applicable
  - b. Briefly state the basis for the deviation.  
Not applicable
  - c. Permit approval is based upon deviation from applicable regulations in accordance with approved policy statement.  
Not applicable
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was required.
6. If Section 17 of Chapter 3 review is required, indicate the basis for determining groundwater will be protected.

The facility will not allow a discharge to groundwater.

The pond will have a primary liner of high density polyethylene with a compacted clay secondary liner. A leak detection system will be installed between the two liners. Groundwater monitoring wells will also be installed at the facility to monitor groundwater on a quarterly basis.

Quality of wastewater is such that it will not cause a violation of groundwater standards.

Not applicable

Existing soils or geology will not allow a discharge to groundwater.

Not applicable

The facility is designed and will be operated so that it will not to violate groundwater standards.

Not applicable

Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

Not applicable

If any groundwater quality standards are to be exceeded, briefly describe how any users of the affected aquifer will be protected. The description should include the water quality standard affected, the anticipated maximum concentration, the property boundaries, places of groundwater withdrawal and any other relevant information.

Not applicable

Briefly describe monitoring plan. The groundwater monitoring plan includes the monitoring wells or other sampling points, the parameters to be analyzed, the sampling frequency and reporting methods.

The leak detection system will be checked weekly for the first month after the ponds are filled. A log will be kept of the inspection results. The leak detection system is also monitored by a high level alarm system. If fluid is found, DEQ will be notified immediately. If a leak is confirmed, the pond(s) will be pumped dry of all wastewater. No additional wastewater will be placed into the pond(s) until a complete inspection and test of the liner is completed.

Measurement of depth to groundwater and testing of groundwater is to be performed prior to filling any ponds at this facility. Groundwater monitoring will be conducted on a quarterly basis and results reported to DEQ within a month after receiving laboratory analytical reports. If groundwater monitoring indicates a release to groundwater, a plan to investigate the extent of the release will be submitted to DEQ within 30 days after confirming the release for DEQ's approval. Following approval, the plan will be implemented.

Fluids in the pond are to be checked annually for hazardous constituents by collecting a sample from each pond in operation.

Operational concerns will be identified in an annual report to be submitted to DEQ by April 1 of each year. Any changes in operations, a discussion of groundwater monitoring, leak detection system operation, and pond characterization is to be included in the annual report.

The permit should clearly state the parameters to be utilized for determining compliance and what occurrences constitute a violation. The permit should identify the corrective actions to be taken in the event of a violation of a groundwater standard.

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 Kim Medina and Dennis Lamb, CBM / Oil and Gas Group and completed on March 28, 2008. 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/rm/8-0247



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

January 3, 2007

William Leon Jay  
131 Lobban Rd.  
Hulett, WY 82720-9611

RE: Jay Residential Small Wastewater System, Crook County  
Permit # 07-837

Dear Mr. Jay:

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

If you have any questions, please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3465. Thank you.

Sincerely,

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

Enclosures: General Permit  
Certificate of Completion

cc: Tim Lyons, Crook County Growth and Development  
Russell Stinson, Stinson Backhoe, LLC, Box 23, Hulett, WY 82720  
IPS, Cheyenne  
WDEQ File

Page 1 of 1





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

December 21, 2007

John Meade  
P.O. Box 357  
Beulah, WY 82712

RE: Meade Residential Septic System  
Permit # 07-839

Dear Mr. Meade:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with 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 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3478. Thank you.

Sincerely,

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

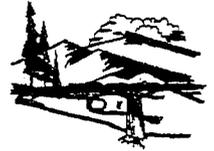
Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
WDEQ File  
Tim Lyons, Crook County, P.O. Box 37, Sundance, WY 82729





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

January 24, 2007

Mike Cole, P.E.  
City of Sheridan  
P.O. Box 848  
Sheridan, WY 82801

RE: Transfer of Ownership,  
East College Avenue Water and Sewer Extension, Reference Permit #07-237  
Permit #07-841

Dear Mr. Cole:

The above Transfer of Ownership 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 307-473-3478.

Sincerely,

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

Enclosures: General Permits

cc: Chris Knodel, Utilities Project Manager, P.O. Box 848, Sheridan, WY 82801  
Jim S. Willey, P.E., JSW Inc., 13 Buffalo Run Drive, Banner, WY 82832  
Scott Badley, SBC Development, LLC, P.O. Box 391, Bif Horn, WY 82833  
WDEQ File, IPS (Cheyenne)



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 07-838

REFERENCE PERMIT NO. N/A

Brady Rentals – Water System  
Chlorination Treatment System

This permit hereby authorizes the applicant:

James Brady  
P.O. Box 1417  
Gillette, WY 82717

to construct, install or modify the Brady Rentals Water System - Chlorination Treatment System, according to the procedures and conditions of the application number **07-838**. The facility is located in the NE ¼ of Section 17, Township 50 North, Range 72 West, Campbell County. The facility is further located at 1758-1 North Hwy 14-16, Gillette, Wyoming. All construction, installation, or modification allowed by this permit shall be completed within one year of issuance.

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

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

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

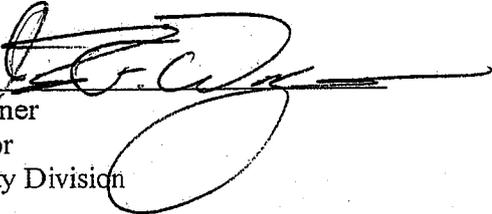
Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations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

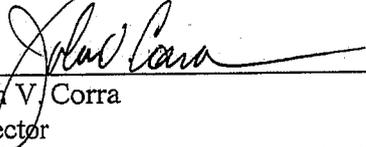
The permittee shall construct and shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or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

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

- 1 of 4 The applicant will provide immediate oral or written notice to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601, Phone 307-473-3465, FAX 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 4 Within thirty days of completion of construction of the authorized facility, the Engineer of Record will submit two (2) complete copies of the Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY 82601.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

4/6/09  
Date of Issuance

KLF/rm/9-0266

cc: Bret H. Wolz, P.E., Falcon Consulting Services, P.O. Box 3943, Gillette, WY 82717  
Phillip Giffin, Campbell County Department of Public Works, 500 S. Gillette Ave., Suite 1400,  
Gillette, WY 82716

## STATEMENT OF BASIS

1. Permit Number: **07-838**
2. Application reviewed for compliance with the following applicable regulations :  
Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?  
  
YES
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.  
  
N/A
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley, P.E., and completed on April 2, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

December 12, 2007

Kurtis McStay
Summit Granite and Marble, LLC
5175 US HWY 26, POB 1033
Dubois, WY 82513

RE: As-Built Permit 07-842 for Summit Marble & Granite Domestic Waste Disposal
SE/4 NE/4 & NE/4 SE/4 Section 33 Township 42 North, Range 107 West
Fremont County

Dear Mr. McStay,

I am providing you with an as-built permit for the septic system at your Summit Marble and Granite business for domestic waste disposal. This system was built prior to your ownership and constructed without a permit to construct from either Fremont County or the Department. The septic system was installed in 2000 or 2001.

Based upon your knowledge, and that of a former local plumber, Mr. Tom Verhevl, the septic system consists of a 1000 gallon concrete septic tank, most likely a Wyoming Concrete Products or Wyoming Septic Tank, and about 100 feet of Infiltrator standard chambers (roughly 16 units). You have no more than five employees working at the facility at any given time, which results in a flow rate of 150 gallons per day at thirty gallons water use per employee. The facility has a sink and toilet.

While the soil percolation rates are not known for your specific site, the material appears to be pit run used to level the area of your existing shop at some time in the past. I considered the extremes of our acceptable percolation rates, 0.8 and 0.3 gallons per day per square foot, and found that the required Infiltrator standard chamber units, for a flow of 150 gallons per day, to be 5 to 13 at these rates. Since you have sixteen units I conclude you have adequate infiltrative area for your intended use of this septic system.

This septic system has not had any problems since your occupancy of the facility. I visited the site on November 28th and did not find evidence of surfacing sewage, wet spots, or odors associated with this septic system. During my visit I also confirmed our Department's separation distances had been met, such as for the domestic well, property lines, and surface water, and groundwater appeared to be greater than ten feet below the ground surface.



It is my opinion the domestic septic system for your shop significantly meets our small wastewater design standards at this time. However, in the event of failure or an increase in flow I recommend the system be re-assessed to address all of our design standards.

This site also has an un-permitted UIC disposal system, which has water surfacing. You are currently addressing this issue with Ms. Jane Francis in our Department's Groundwater Section.

Please contact me if you have any questions at (307) 777-7088.

Yours truly,

A handwritten signature in cursive script that reads "Louis B. Harmon".

Louis B. Harmon PE PG, Manager  
Water & Wastewater Section  
Water Quality Division

Enclosure: Site Drawing

LBH/bb/7-1059

xc: IPS, Cheyenne  
James Brough, DEQ Office, Lander  
Fremont County Planning, Rm 360 Courthouse, 450 N. 2<sup>nd</sup> St, Lander 82520



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 18, 2008

Nick O'Bradovich  
3804 Palmer Street  
Cheyenne, Wyoming 82001

RE: O'Bradovich Residential Septic System,  
Location: SW¼, Section 31, T18N, R83W,

Application No. **07-844**  
Carbon County

Dear Mr. O'Bradovich:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on January 18, 2010. Please reference Application Number **07-844** in any future correspondence.

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

Sincerely,

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

RLE/rm/8-0051

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

cc: IPS, Cheyenne  
Kent Smith, Box 684, Saratoga, Wyoming 82331

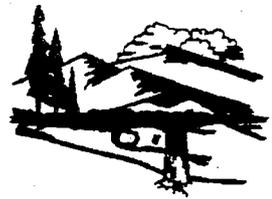
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 18, 2008

Town of Burns  
Attn: Vernon Testerman Jr., Mayor  
134 South Main  
P.O. Box 66  
Burns, Wyoming 82053

RE: Prairie Avenue Sewer Replacement: Burns, Wyoming, Application No. **07-845**  
Location: SE¼, Section 7, T14N, R62W, Laramie County

Dear Mayor Testerman:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of 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 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. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

The approval granted under this Notification Of Coverage and the General Permit shall expire on January 18, 2010. Please reference Application Number **07-845** in any future correspondence.

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

Sincerely,

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

RLE/rm/8-0052

Enclosures: GENERAL PERMIT - Extensions/Modifications of Existing Sewage Collection Systems  
Certificate of Completion Form

cc: IPS, Cheyenne  
Gary Grigsby, Western Research & Development, LTD., 5908 Yellowstone Rd.,  
Cheyenne, Wyoming 82001

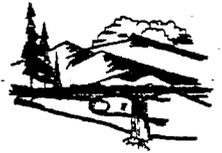
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

February 5, 2008

William J. Bush  
88 LaGrange Cove Circle  
Freeport, FL 32439

RE: Bush Small Residential Wastewater System  
Permit # 07-847

Dear Mr. Bush:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with 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 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3478. Thank you.

Sincerely,

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

Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
WDEQ File  
Timberline Services Inc., 855 Government Valley Rd., Sundance, WY 82729  
Tim Lyons, Crook County, P.O. Box 37, Sundance, WY 82729





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

February 5, 2008

Rodney A. Malo  
P.O. Box 192  
Sundance, WY 82729

RE: Malo Small Residential Wastewater System  
Permit # 07-848

Dear Mr. Malo:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with 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 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3478. Thank you.

Sincerely,

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

Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
WDEQ File  
Timberline Services Inc., 855 Government Valley Rd., Sundance, WY 82729  
Tim Lyons, Crook County, P.O. Box 37, Sundance, WY 82729





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

December 19, 2007

Ted Ertman  
Weston County Commissioners  
1 West Main Street  
Newcastle, WY 82701

RE: **Non-Adverse Recommendation**  
Countryside Subdivision, WDEQ Application #07-849

Dear Commissioners:

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

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

This 11-lot subdivision is currently proposed to connect 10 new homes to the existing sanitary sewer system owned and operated by the Salt Creek Water District. The consultant states that "The Salt Creek Water District shall be responsible for the operation and maintenance of the system." Further, the District has provided a letter which states that the district will provide water and sewer service to the proposed subdivision. The consultant states that the existing sewer treatment facilities consist of an aeration pond that was designed to handle 150 homes; currently, 135 homes are connected to this system and with the additional 10 homes proposed, the total number of homes connected to the treatment facilities will be 145. The District realizes after the Countryside Subdivision is connected, the system will be near its capacity and therefore any other future development can not be allowed without improvements and/or expansion to the existing system.

The WDEQ has reviewed the information submitted and is satisfied that the proposed connection to the existing sanitary sewer facilities is feasible. **However, the owner must apply for and obtain a "Permit to Construct" from the Wyoming Department of Environmental Quality for the proposed sanitary sewer collection lines prior to construction of the new system.**

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

The water system for this subdivision is proposed to be supplied by the Salt Creek Water District. The consultant states that currently, there are existing 6" and 8" lines within the subdivision area; the new lots will connect to these lines by way of individual service lines. The District has provided a letter stating their willingness to provide water to the proposed subdivision.

The water supply for this system is provided by an artesian well that was completed in April, 2002. The consultant provided information that the well produces adequate quantities for both current and future demand. In addition, the District is shown to be in compliance with the Environmental Protection Agency's water quality standards. Therefore, it is determined that the water supply is safe for consumption.



During this review, it was discovered that the well supply currently has no disinfection treatment in place; the quality of the water being produced from the well is such that none is currently needed. However, groundwater sources are required under WDEQ/WQD Rules and Regulations - Chapter 12(c)(ii) to have disinfection equipment and connections provided, at a minimum. It is highly recommended that this be addressed as soon as possible.

Because of this issue, it is also highly recommended that during that installation of the service lines, the District take very careful measures to insure that no contamination of the water supply occur during the tapping of the main lines.

The State Engineer's Office (SEO) has provided comments pertaining to this proposed subdivision, which are attached as part of this document. The SEO has stated that they are "not supportive" of the development at this time, due to issues involving 1) the proposed expansion of the Salt Creek Water District's service area, and 2) non-submittal of required annual water use reports by the District to the State Engineer's Office. It is recommended that these issues be addressed as soon as possible by the District.

The WDEQ has reviewed the information submitted and is satisfied that the proposed connection to the existing water system is feasible.

#### **Conclusions:**

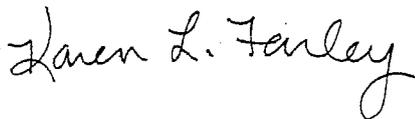
The department has no "adverse" recommendation on this proposed subdivision regarding the safety and adequacy of the proposed water supply and the proposed sanitary sewer system (both to be connected to the Salt Creek Water District water system and sewer system).

#### **Disclaimer**

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

Please do not hesitate to contact me at (307) 473-3478 or [kfarle@state.wy.us](mailto:kfarle@state.wy.us) if you have any questions on this correspondence.

Sincerely,



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

Attachments: SEO Comments

cc: Gideon Dixon, P.O. Box 324, 5129 Hwy 16, Newcastle, WY 82701  
Ralph W. Goodson, P.E., Bearlodge Limited, Inc., P.O. Box 130, Sundance, WY 82729  
Greg Stumpff, Salt Creek Water District, P.O. Box 847, Newcastle, WY 82701  
Mike Ebsen, SEO (w/o attachments)  
WDEQ Subdivision File, IPS



# State Engineer's Office

HERSCHLER BUILDING, 4-E CHEYENNE, WYOMING 82002  
(307) 777-7354 FAX (307) 777-5451  
seoleg@state.wy.us

DAVE FREUDENTHAL  
GOVERNOR

PATRICK T. TYRRELL  
STATE ENGINEER

5 December 2007

Received

DEC 07 2007

Casper DEQ

✓ Karen L. Farley, P.E., Supervisor  
DEQ/WQD/Northeast District  
152 North Durbin Street – Suite 100  
Casper, Wyoming 82601

07-849

RE: Countryside Subdivision, Weston County, WDEQ Application #07-717

Dear Ms. Farley:

State Engineers Office, Ground Water Division staff has reviewed the submittal referenced above in compliance with Wyoming Statute 18-5-306 (c) (i). The proposed subdivision would develop 11 residential lots on acreage approximately 1.3 miles southeast of the City of Newcastle. The subdivision lands lie northeast of US Highway 16 and appear to be contained within the S $\frac{1}{2}$ NE  $\frac{1}{4}$  and the NE $\frac{1}{4}$ SE  $\frac{1}{4}$ , Sec 34, T45N, R61W. The submittal indicates that there are existing water main lines through the development that are to be used for water service, however sewer lines would need to be installed. The submittal further states that all services currently provided by the Salt Creek Water District, both water and sewer, will be maintained. As a part of our review a cursory search of the State Engineer's Water Right Records in the area of the subdivision was conducted. We offer the following comments:

1. State Engineer records indicate that all but the lands in the SE $\frac{1}{4}$ NE $\frac{1}{4}$  of Section 34 are currently covered under 2 existing permits (copies enclosed). Therefore, permits for this well serving the District would need to be amended and/or enlarged to cover this proposed new area of use, prior to any use of the water within the proposed subdivision.
2. Further, these permits have Additional Conditions and Limitations attached to them, including annual water use report requirements. This report should include the total annual amount of water produced, and include at least two semi-annual static water level measurements. No evidence was found that these required reports have ever been filed.

Therefore, the State Engineers Office is not supportive of approving the development of the proposed subdivision at this time. Further, any number of events could occur at some point in the future which may preclude the State Engineer from issuing new permits for this type of activity.

Once item one (2) has been addressed; and upon final approval of the subdivision by the appropriate County Officials, the State Engineers Office hereby requests a copy of the final county approved plat in order to assist new owners in properly filing new water right applications.

In all correspondence regarding this application please reference the State Engineers Office Review Number 2007-112-70. If you have any questions, please feel free to contact me at (307) 777-6166, or if you prefer E-mail, my address is [mebsen@seo.wyo.gov](mailto:mebsen@seo.wyo.gov).

Thank you for this opportunity to comment.

Sincerely,



Mike Ebsen

Cooperative Programs Coordinator

Cc: Don McKenzie, DEQ-WQD, Environmental Program Manager  
Michael Whitaker, Superintendent, Water Division Number II  
Kody Steinbrecher, Hydrographer-Commissioner, Water District Number 1  
Roger Ralph, Hydrographer-Commissioner, Water District Number 1  
John Barnes, Administrator, Surface Water Division  
Lisa Lindemann, Administrator, Ground Water Division  
Allan Cunningham, Adjudication Officer, Board of Control Division  
Ted Ertman, Weston County Commission, 1 West Main Street, Newcastle, WY 82701  
Bearlodge Ltd, Inc., P.O. Box 130, Sundance, WY 82729  
Gideon Dixon, P.O. Box 324, Newcastle, WY 82729  
Greg Stumpff, P.O. Box 130, Newcastle, WY 82729  
Jed Rockweiler, Permit Compliance Coordinator, Ground Water Division