



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

June 4, 2007

Derek Silbaugh  
P.O. Box 85  
Upton, Wyoming 82730

RE: Silbaugh Residential Septic System  
Permit # 07-301

Dear Mr. Silbaugh:

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.

Additionally, the following project specific conditions also apply:

- A. Sewer Line Casing – At each location where the sewer line crosses over the water line, the sewer line must be cased in a larger diameter pipe, which is at least 1.5 times greater in diameter than the sewer line. For example, a four inch sewer pipe must be cased with a six inch pipe. The casing pipe must extend at least five feet to either side of the water line trench.

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

Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

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





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### NOTIFICATION OF COVERAGE

June 4, 2007

Cleve Clark  
161 Goldie Divide Road  
Hulett, Wyoming 82720

RE: Clark Residential Septic System  
Permit # 07-302

Dear Mr. Clark:

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.

Additionally, the following project specific conditions also apply:

- A. Trench Width – The width of the leachfield trenches should not exceed 38 inches.
- B. Clean-out Ports – Clean-out ports must be installed every 100 feet along the sewer line from the house to the septic tank.

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

Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
WDEQ File  
Tim Lyons, Crook County, P.O. Box 37, Sundance, WY 82729  
Russell Stinson, Stinson Backhoe, Box 23, Hulett, WY 82720

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

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

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





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of Wyoming



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John Corra, Director

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

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### NOTIFICATION OF COVERAGE

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June 5, 2007

Cody Dennis  
1923 D Road  
Moorcroft, Wyoming 82721

RE: Dennis Residential Septic System  
Permit # 07-303

Dear Mr. Dennis:

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) 473-3452. Thank you.

Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
WDEQ File  
Tim Lyons, Crook County, P.O. Box 37, Sundance, WY 82729  
Travis Dewey, Tri-City Excavation, Inc., 169 Thorn Divide Road, Carlisle, WY 82721





# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 11, 2007

Craig Beck, Superintendent  
Fremont County School District #25  
121 North 5<sup>th</sup> Street West  
Riverton, WY 82501

RE: New Lincoln Elementary School Water and Sewer Lines, Permit Number: 07-304,  
NW ¼, Section 26, T1N, R4E, Fremont County

Dear Mr. Beck:

This project involves the installation of 893 linear feet of 8-inch and 6-inch water line with fire hydrants and 278 linear feet of 6-inch sewer main to serve a new elementary school in the city of Riverton. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11, Section 9; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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

Sincerely,

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

xc: IPS, Cheyenne  
Lynn Hill, HKM Engineering Inc., P.O. Box 7010, Sheridan, WY 82801  
Bill Urbigkit, City of Riverton, 816 North Federal Blvd., Riverton, WY 82501

encl: General Permits an Public Water Supply and Existing Sewage Collection Systems

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

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

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

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

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

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





# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 6, 2007

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

RE: CHEYENNE FRONTIER DAYS-2007 FIRE HYDRANT ADDITIONS  
Application No. **07-305**, Laramie County

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify, or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems described as two fire hydrants with leads, NE1/4 Section 25 T14N R67W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the 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 July 13, 2009.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-305** in any future correspondence.

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

Sincerely,

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

LBH/bb/7-0472.NOC

cc: IPS, Cheyenne  
JEFFREY J PECENKA  
CHEYENNE BOPU  
2406 SNYDER AV  
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.

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

July 3, 2007

Mike R. Eaton  
P.O. Box 591  
Saratoga, Wyoming 82331

RE: Eaton Residential Septic System, Application No. **07-306**  
Location: S $\frac{1}{2}$  SW $\frac{1}{4}$ , Sec15, & N $\frac{1}{2}$  NW $\frac{1}{4}$ , Sec22, T17N, R83W,  
Carbon County

Dear Mr. Eaton:

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

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

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



The approval granted under this Notification Of Coverage and the General Permit shall expire on July 3, 2009. Please reference Application Number 07-306 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/7-0557

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

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

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

PROJECT: Eaton Residential Septic System  
LOCATION: S $\frac{1}{2}$  SW $\frac{1}{4}$ , Sec15, & N $\frac{1}{2}$  NW $\frac{1}{4}$ , Sec22, T17N, R83W, Carbon County  
ENGINEER: None  
APPLICANT: Mike R. Eaton  
P.O. Box 591  
Saratoga, Wyoming 82331  
Ph: (307) 326-5432

WATER QUALITY DIVISION REFERENCE NUMBER: 07-306

REVIEWING ENGINEER: Ronald L. Ewald, P.E.  
Phone: (307) 777-6183

DATE OF REVIEW: June 19, 2007



**ACTION:** **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 12 (a), Chapter III, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with Section 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

**COMMENTS, INADEQUACIES, AND QUESTIONS:**

1. Percolation Test Results Unusable - the raw percolation (perc) test data submitted did not make any sense. The measurements in the "Water Level" column go down and then up, and then down again, and then back up again. This makes no sense as the water level should continue to go down unless the test hole is refilled with

water at some point during the test (as shown in the example). Second, the numbers in the water level "Drop" column should be the difference in water level between the beginning of the time period and the end of the time period. For example, for test hole #1 the starting water level at 0 minutes is 30" and the ending water level at 30 minutes is 23<sup>3</sup>/<sub>4</sub>". Therefore the water level drop for this time period is 6<sup>1</sup>/<sub>4</sub>" ( 30" - 23<sup>3</sup>/<sub>4</sub>" ), not the 1 3/8" shown on the data sheet. This data is invalid and the entire perc test needs to be rerun in accordance with the instructions and the example provided. If you don't understand these procedures, please call before proceeding on the retest.

2. Wrong Loading Factor Used - even though the perc test results are not useable and must be redone, the absorption system loading rate factor that was used to calculate the required minimum infiltrative surface area was chosen incorrectly. From the perc test a perc rate of 21.74 minutes per inch(mpi) was somehow determined. Using the LOADING RATE TABLE provided in the application package the correct loading rate factor for 21.7mpi is 0.44. However, on page 3 at items D.2. and D.3., a loading rate factor of 0.54 was used to calculate the minimum area required which would correspond to a 14mpi perc rate.
3. Wrong Minimum Area Used - on page 5 a value of 600sf was inserted at item 4.a. instead of the 833sf calculated on page 3. Why was this reduced? It can't be randomly reduced.
4. Wrong Equivalent Area Used - on page 5 it is indicated that *Infiltrator*<sup>TM</sup> brand, Model EQ24 are to be used for the leachfield. In item 4.c. the equivalent area for this model is listed as 42sf/unit which is incorrect. Looking on the Equivalent Areas chart provided in the application you will find that the equivalent area for an Infiltrator EQ24 in a trench layout is only 30sf/unit.
5. Correctly Calculating the Minimum Required Infiltrative Surface Area - even though the perc test results are invalid, the applicant did calculate that the leachfield would require only 15 EQ24 units. However, if all of the correct figures identified in comments 2 through 4 above are used to calculate the correct number, it would be 34 EQ24 units. More than double the calculation in the application. How do you get 34 units? First,  $450\text{gpd} / 0.44 = 1023\text{sf}$ . Second,  $1023\text{sf} / 30\text{sf per unit} = 34\text{ units}$ . This is to serve as a reminder that after the perc test is redone properly and a valid perc rate is determined, all of the subsequent calculations must also be done correctly.

RLE/rm/7-0509

Enclosures: Blank application package for redoing pages as needed

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 (AREA PERMIT)

(X) New  
( ) Modified

Permit Number 07-308  
UIC Facility Number WYS-007-00161

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.

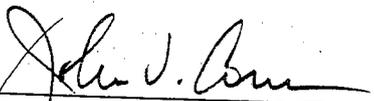
Applicant: Anadarko E&P Company LP  
1099 18<sup>th</sup> Street  
Suite 1200  
Denver, CO 80202  
(303) 452-5603

Anadarko E&P Company LP, hereafter referred to as the Permittee, is authorized to operate Anadarko AR Fee 1791 7-29i, AR Fed 1791 11-22i, AR Fed 1791 9-12i, AR Fed 1791 7-26i, AR Fed 1791 7-28i, AR Fed 1791 7-14i, AR Fed 1791 1-10i, AR Fee 1791 11-13i, AR Fee 1719 11-24i, and AR Fee 1791 13-11 within Sections 1, 10, 12, 13, 14, 22, 24, 26, 28, 29; Township 17 North; Range 91 West, of the 6<sup>th</sup> Principal Meridian, Carbon County; according to the procedures and conditions of application 07-308 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

8/6/07  
Date

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

8/7/07  
Date

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**A. Discharge Zone**

Ten (10) injection wells are authorized to inject into the Haystack Mountains Formation. The injection zones are identified in **Table 1** as follows:

**Table 1 (Perforated Zones)**

Well Name	Haystack FM Perforated Zones	Porosity	Thickness	AOR	Injection bbls/day	Max Pressure
AR Fee 1791 7-29i	3,714 - 4,534	15.0	249	3,356	25,000	992
AR Fed 1791 11-22i	3,094 - 3,914	16.2	249	3,356	25,000	826
AR Fed 1791 9 -12i	2,507 - 3,337	17.4	249	3,356	25,000	669
AR Fed 1791 - 26i	2,514 - 3,334	17.4	249	3,356	25,000	671
AR Fed 1791 7-28i	3,174 - 3,994	16.0	249	3,356	25,000	847
AR Fed 1791 7-14i	2,934 - 3,754	16.2	249	3,356	25,000	783
AR Fed 1791 1-10i	3,884 - 4,704	14.6	249	3,356	25,000	1,037
AR Fee 1791 11-13i	2,504 - 3,324	17.4	249	3,356	25,000	669
AR Fee 1791 11-24i	2,494 - 3,314	17.5	249	3,356	25,000	666
AR Fee 1791 13-1i	3,174 - 3,394	16.1	249	3,356	25,000	847

A 4 ½ inch tubing and injection packer will be set within 100 feet of the perforations in each well. Additional perforation zones may be extended within the Haystack Mountains Formation with the prior written approval of the Department. The length of time of operation of each well is ten years.

**B. Well Location and Area of Review**

The injection wells authorized by this permit are identified in **Table 2** as follows:

**Table 2 (Injection Well Public Land Survey Locations)**

Well Name	Section (¼, ¼)	Section	Township	Range
AR Fee 1791 7-29i	NESW	29	17	91
AR Fed 1791 11-22i	NESW	22	17	91
AR Fed 1791 9 -12i	NESE	12	17	91
AR Fed 1791 - 26i	SWNE	26	17	91
AR Fed 1791 7-28i	SENE	28	17	91
AR Fed 1791 7-14i	SWNE	14	17	91
AR Fed 1791 1-10i	NENE	10	17	91
AR Fee 1791 11-13i	NESW	13	17	91
AR Fee 1791 11-24i	NESW	24	17	91
AR Fee 1791 13-1i	SWSW	1	17	91

### C. Groundwater Classification

The groundwater in the Haystack Mountains Formation is classified as Class III according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification was made because the groundwater in the Haystack Mountains Formation has total dissolved solids concentration of 996 mg/L and a sodium adsorption ratio of 52.1. An aquifer that has a sodium adsorption ratio greater than 8.0 is classified as Class III.

### D. Authorized Operations

The Permittee is authorized to inject a maximum of 25,000 barrels per day in each well, or 250,000 barrels per day as a combined ten (10) well system of produced water resulting from coal bed methane extraction. For operation and maintenance considerations such as conducting mechanical integrity tests or well workovers, the Permittee may inject more than 25,000 barrels per day per well on a temporary basis with prior written approval from the Department. The Permittee is authorized to inject at a surface pressure of no more than is designated for each well in Table 1 above.

1. The Permittee shall submit a one-time baseline ground water sample obtained from the perforated intervals for the Haystack Mountains Formation of the all the wells listed in Table 1 prior to injection of any fluids. Parameters to be analyzed are listed on the reporting form. The Permittee is prohibited from injection into this well until authorized by the Department.
2. Construction of well sumps (one sump per injection well) to a depth not to exceed 500 feet are authorized for the purpose of providing subsurface storage of produced water prior to injection. Well sumps shall be constructed in accordance with the supporting materials submitted with the application and shall comply with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G. Variations in well sump construction may be authorized with prior written approval of the Administrator. All well sumps shall be plugged and abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G by filling the well casings from bottom to top with Portland cement or equivalent. An initial Part I mechanical integrity test shall be completed prior to well sump use to demonstrate the absence of leaks through the well casing and bottom seal. A successful test shall show that there has been less than 10% pressure loss after fifteen (15) minutes at 700 psig.

### 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 mechanical integrity of the wells, effective performance, adequate funding, Permittee 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 injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapter 16, Section 10.

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 and all original strip chart recordings for continuous monitoring instrumentation, 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 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 plugging and abandonment procedures. The Administrator may require the owner/Permittee 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 twenty-four (24) hours from the time the Permittee 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 five (5) days of the time the Permittee 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 thirty (30) days following each schedule date.
9. The Permittee shall notify the Department sixty (60) days prior to the spudding of each new injection well so that a joint field inspection may be coordinated between both parties during well construction.

10. The Permittee shall notify the Department thirty (30) days prior to conducting the two-part mechanical integrity tests for each well.

**I. Requirements for Monitoring the Discharge**

General Requirements:

1. The Permittee shall meter all water injected into each well.
2. The Permittee shall monitor the quality of the injected fluid on the schedule identified below. Grab samples shall be taken from the flow line prior to injection where any necessary pretreatment has taken place. The following parameters shall be analyzed by the listed methods and reported quarterly:

**Table 4 (Injected Fluid Sampling Schedule)**

Sampling Schedule	Parameter Analyzed	Analytical Method	Permit limit or UCL*
Quarterly (grab)	Total Dissolved Solids	EPA Method 160.1	5,000 mg/L
	Sodium Adsorption Ratio	Calculated from other analysis	No limit
	Iron Fixing Bacteria	Standard Method	0
	Sulfate Reducing Bacteria	Standard Method	0
	Coliform Bacteria	Standard Method	0
	pH	EPA Method 150.1	> 6.5 and < 8.5
	Combined Volume	Flow meter	25,000 barrels/day/well
	Injection Pressure (max)	Gauge	1,037 psi

\*All chemical concentrations in this permit are expressed in mg/L unless otherwise noted. pH is always expressed in standard units.

The above upper control limit (UCL) can not be exceeded for any parameter. Exceedance of this value is 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 also a violation of this permit.

**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

1. 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 wells covered by this permit.
2. The Permittee shall submit a one-time baseline ground water sample obtained from the perforated intervals for the Mesaverde Formation from all the production wells prior to injection of any fluids. Parameters to be analyzed are listed on the reporting form. The Permittee is prohibited from injection into the injection wells until authorized by the Department. Groundwater will be classified based upon the water quality results of the grab samples for the Mesaverde Formation. Injection will be contingent upon groundwater classifications for the Mesaverde Formation and Haystack Mountains Formations i.e. the producing and injection wells.

## L. Permit Actions

This permit is issued for a period of ten (10) 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 prior to the expiration date of this permit. An expired permit continues in effect until a new permit is issued or the permit is terminated by the Administrator. 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;
2. Obtaining a permit by misrepresentation of facts in the application; or
3. Failure of the tubing, casing, cement, or confining layers.

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. Mechanical Integrity**

Mechanical integrity shall be maintained continuously. The Permittee shall pressure test the casing before injection and at least once every five (5) years. The casing shall be pressure tested up to an indicated surface pressure of 700 psi and held for 15 minutes. A passing test shall show that there is less than 10% pressure loss after 15 minutes at 700 psi.

#### **N. Abandonment or Conversion to Water Wells**

General Requirements:

1. The Permittee shall notify the Administrator at least seven (7) days before conversion or abandonment of the facility.
2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this general 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. In no case shall the abandonment procedure be less stringent than that required at the time of abandonment by the Wyoming Oil and Gas Conservation Commission for the abandonment of producing oil wells.
4. Injection wells covered by this permit shall be permanently abandoned or converted to another use within three (3) years after the date when coal bed methane water was last injected unless those wells are converted to water wells.

5. Wells which are to be converted to another use shall be covered by an approved Wyoming State Engineer's permit for the well showing that it has been converted to a water well. A copy of this permit shall be submitted to the Department as proof that the well has been converted.

**O. 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.

**P. 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.

**Q. 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. Noncompliance resulting in a violation 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 violation. 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.

**R. 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.

**S. 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.

**T. 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.

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 (AREA PERMIT)

(X) New  
( ) Modified

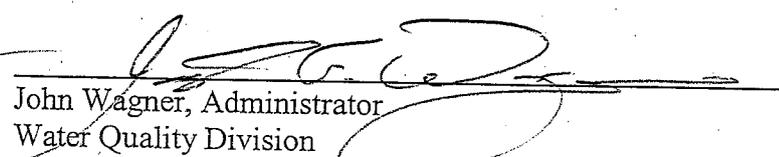
Permit Number 07-309  
UIC Facility Number WYS-007-00159

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.

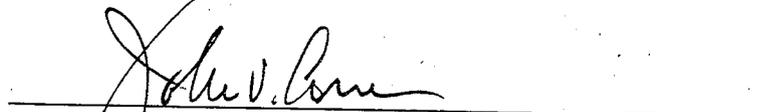
Applicant: Anadarko E&P Company LP  
1099 18<sup>th</sup> Street  
Suite 1200  
Denver, CO 80202  
(303) 452-5603

Anadarko E&P Company LP, hereafter referred to as the Permittee, is authorized to operate Anadarko, AR Fed 1691 10-3i, AR Fed 1691 12-17i, AR Fed 1791 12-34i, AR Fed 1791 12-35i, AR Fed 1691 12-4i, AR Fed 1691 14-20i, AR Fed 1691 14-21i, AR Fed 1691 4-5i within Sections 3,4,5,17,20,21; Township 16 North; Range 91 West, and within Sections 34,35; Township 17 North; Range 91 West of the 6<sup>th</sup> Principal Meridian, Carbon County; according to the procedures and conditions of application 07-309 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

8/6/07  
Date

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

8/7/07  
Date

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**A. Discharge Zone**

Eight (8) injection wells are authorized to inject into the Haystack Mountains Formation. The injection zones are identified in **Table 1** as follows:

**Table 1 (Perforated Zones)**

Well Name	Haystack FM Perforated Zones	Porosity	Thickness	AOR	Injection bbls/day	Max Pressure
AR Fed 1691 10-3i	2445-3220	17.6	331	3,356	25,000	653
AR Fed 1691 12-17i	2475-3250	17.5	331	3,356	25,000	661
AR Fed 1791 12-34i	2865-3640	16.8	331	3,356	25,000	765
AR Fed 1791 12-35i	2695-3470	17.1	331	3,356	25,000	720
AR Fed 1691 12-4i	2665-3440	17.2	331	3,356	25,000	712
AR Fed 1691 14-20i	2475-3250	17.5	331	3,356	25,000	661
AR Fed 1691 14-21i	2185-2960	18.1	331	3,356	25,000	583
AR Fed 1691 4-5i	2965-3740	16.6	331	3,356	25,000	792

A 4 ½ inch tubing and injection packer will be set within 100 feet of the perforations in each well. Additional perforation zones may be extended within the Haystack Mountains Formation with the prior written approval of the Department. The length of time of operation of each well is ten years.

**B. Well Location and Area of Review**

The injection wells authorized by this permit are identified in **Table 2** as follows:

**Table 2 (Injection Well Public Land Survey Locations)**

Well Name	Section (¼, ½)	Section	Township	Range
AR Fed 1691 10-3i	NWSW	3	16	91
AR Fed 1691 12-17i	NWSW	17	16	91
AR Fed 1791 12-34i	NWSW	34	17	91
AR Fed 1791 12-35i	NWSW	35	17	91
AR Fed 1691 12-4i	NWSW	4	16	91
AR Fed 1691 14-20i	SESW	20	16	91
AR Fed 1691 14-21i	SESW	21	16	91
AR Fed 1691 4-5i	NWNW	5	16	91

### **C. Groundwater Classification**

The groundwater in the Haystack Mountains Formation is classified as Class III according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification was made because the groundwater in the Haystack Mountains Formation has total dissolved solids concentration of 2,540 mg/L and a sodium adsorption ratio of 55.0. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

### **D. Authorized Operations**

The Permittee is authorized to inject a maximum of 25,000 barrels per day in each well, or 200,000 barrels per day as a combined eight (8) well system of produced water resulting from coal bed methane extraction. For operation and maintenance considerations such as conducting mechanical integrity tests or well workovers, the Permittee may inject more than 25,000 barrels per day per well on a temporary basis with prior written approval from the Department. The Permittee is authorized to inject at a surface pressure of no more than is designated for each well in Table 1 above.

1. The Permittee shall submit a one-time baseline ground water sample obtained from the perforated intervals for the Haystack Mountains Formation of the all the wells listed in Table 1 prior to injection of any fluids. Parameters to be analyzed are listed on the reporting form. The Permittee is prohibited from injection into this well until authorized by the Department.
2. Construction of well sumps (one sump per injection well) to a depth not to exceed 500 feet are authorized for the purpose of providing subsurface storage of produced water prior to injection. Well sumps shall be constructed in accordance with the supporting materials submitted with the application and shall comply with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G. Variations in well sump construction may be authorized with prior written approval of the Administrator. All well sumps shall be plugged and abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G by filling the well casings from bottom to top with Portland cement or equivalent. An initial Part I mechanical integrity test shall be completed prior to well sump use to demonstrate the absence of leaks through the well casing and bottom seal. A successful test shall show that there has been less than 10% pressure loss after fifteen (15) minutes at 700 psig.

### **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 mechanical integrity of the wells, effective performance, adequate funding, Permittee 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 injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapter 16, Section 10.

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 and all original strip chart recordings for continuous monitoring instrumentation, 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 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 plugging and abandonment procedures. The Administrator may require the owner/Permittee 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 twenty-four (24) hours from the time the Permittee 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 five (5) days of the time the Permittee 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 thirty (30) days following each schedule date.
9. The Permittee shall notify the Department sixty (60) days prior to the spudding of each new injection well so that a joint field inspection may be coordinated between both parties during well construction.

10. The Permittee shall notify the Department thirty (30) days prior to conducting the two-part mechanical integrity tests for each well.

**I. Requirements for Monitoring the Discharge**

General Requirements:

1. The Permittee shall meter all water injected into each well.
2. The Permittee shall monitor the quality of the injected fluid on the schedule identified below. Grab samples shall be taken from the flow line prior to injection where any necessary pretreatment has taken place. The following parameters shall be analyzed by the listed methods and reported quarterly:

**Table 4 (Injected Fluid Sampling Schedule)**

Sampling Schedule	Parameter Analyzed	Analytical Method	Permit limit or UCL*
Quarterly (grab)	Total Dissolved Solids	EPA Method 160.1	5,000 mg/L
	Sodium Adsorption Ratio	Calculated from other analysis	No limit
	Iron Fixing Bacteria	Standard Method	0
	Sulfate Reducing Bacteria	Standard Method	0
	Coliform Bacteria	Standard Method	0
	pH	EPA Method 150.1	> 6.5 and < 8.5
	Combined Volume	Flow meter	25,000 barrels/day/well
	Injection Pressure (max)	Gauge	792 psi

\*All chemical concentrations in this permit are expressed in mg/L unless otherwise noted. pH is always expressed in standard units.

The above upper control limit (UCL) can not be exceeded for any parameter. Exceedance of this value is 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 also a violation of this permit.

**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

1. 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 wells covered by this permit.
3. The Permittee shall submit a one-time baseline ground water sample obtained from the perforated intervals for the Mesaverde Formation from all the production wells prior to injection of any fluids. Parameters to be analyzed are listed on the reporting form. The Permittee is prohibited from injection into the injection wells until authorized by the Department. Groundwater will be classified based upon the water quality results of the grab samples for the Mesaverde Formation. Injection will be contingent upon groundwater classifications for the Mesaverde Formation and Haystack Mountains Formations i.e. the producing and injection wells.

## L. Permit Actions

This permit is issued for a period of ten (10) 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 prior to the expiration date of this permit. An expired permit continues in effect until a new permit is issued or the permit is terminated by the Administrator. 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;
2. Obtaining a permit by misrepresentation of facts in the application; or
3. Failure of the tubing, casing, cement, or confining layers.

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. Mechanical Integrity**

Mechanical integrity shall be maintained continuously. The Permittee shall pressure test the casing before injection and at least once every five (5) years. The casing shall be pressure tested up to an indicated surface pressure of 700 psi and held for 15 minutes. A passing test shall show that there is less than 10% pressure loss after 15 minutes at 700 psi.

#### **N. Abandonment or Conversion to Water Wells**

##### General Requirements:

1. The Permittee shall notify the Administrator at least seven (7) days before conversion or abandonment of the facility.
2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this general 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. In no case shall the abandonment procedure be less stringent than that required at the time of abandonment by the Wyoming Oil and Gas Conservation Commission for the abandonment of producing oil wells.
4. Injection wells covered by this permit shall be permanently abandoned or converted to another use within three (3) years after the date when coal bed methane water was last injected unless those wells are converted to water wells.
5. Wells which are to be converted to another use shall be covered by an approved Wyoming State Engineer's permit for the well showing that it has been converted to a

water well. A copy of this permit shall be submitted to the Department as proof that the well has been converted.

**O. 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 alteration 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.

**P. 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.

#### **Q. 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. Noncompliance resulting in a violation 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 violation. 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.

#### **R. 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.

#### **S. 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.

**T. 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.

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 07-310

REFERENCE PERMIT NO. 06-357, 06-358

THE LODGE AT THREE FORKS RANCH  
PWS Not Yet Assigned

This permit hereby authorizes the applicant:

THREE FORKS RANCH CORP  
PO BOX 69  
SAVORY, WY 82332

to construct, install or modify a water supply system with disinfection and a small waste water disposal system according to the procedures and conditions of the application number 07-310. The facility is located in SW1/4 Section 16 T12N R86W; Carbon County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed July 13, 2010. 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.

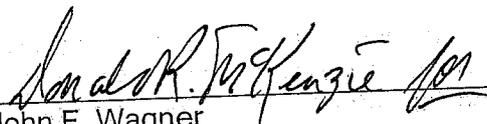
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

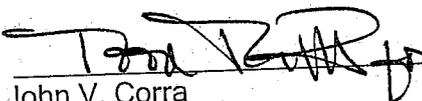
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

Date of Issuance June 8, 2007

LBH/rm/7-0482

## STATEMENT OF BASIS

1. Permit Number:       **07-310**
2. This application was reviewed for compliance with the applicable regulations ;  
      Chapters 3, 11, and 12
3. Does the permit comply with all applicable regulations identified above?  
      Yes
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.  
  
Small wastewater systems are exempted from review by Chapter 3, Section 17.  
Public water supplies are exempted from review by Chapter 3, Section 17.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Louis Harmon, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on June 8, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 11, 2007

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

RE: JL RANCH WATER AND SEWER LINE EXTENSIONS  
Application No. 07-311, Laramie County

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as 6733 ft of 12" DIP, 4340 ft of 8" PVC water line, 23 fire hydrants, 2045 ft of 12" diameter sewer main and 5842 ft of 8" diameter sewer main, portions of Sections 1, 2, and 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 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 July 13, 2010.

The air-vacuum relief must be extended to vent to the surface through the manhole vent.

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.

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

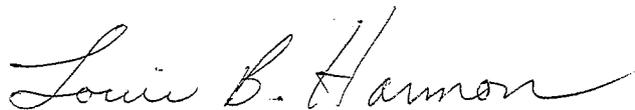
WATER QUALITY  
(307) 777-7781  
FAX 777-5973



Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-311** in any future correspondence.

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

Sincerely,

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

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

LBH/rm/7-0484

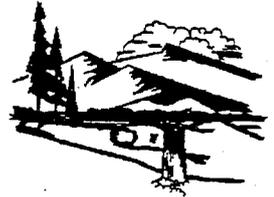
cc: IPS, Cheyenne

Thomas L. Kent, AVI PC; 2035 Westland Rd, Cheyenne, WY 82001



# Department of Environmental Quality

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



Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 29, 2007

Ross Jorgensen, Manager  
Washakie Rural Improvement & Service District  
P.O. Box 212  
Worland, WY 82401

RE: Washakie Rural Water Supply Project - Element 7B - Diamond Bar Subdivision  
Waterline Extension, Permit Number: 07-312, N ½ SE ¼, Section 8, T47N, R92W,  
Washakie County

Dear Mr. Jorgensen:

This project includes the installation of approximately 120 linear feet of 2-inch water line that will serve four residential connections across Washakie Road 10 and ½ mile south of Lane 8 West. 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 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.  
Environmental Engineer  
Water Quality Division

xc: Christopher Browne, P.O. Box 815, Redwood Valley, CA 95470  
Theresa Gunn, P.E., Engineering Associates, P.O. Box 1900, Cody, WY 82414  
IPS, Cheyenne

encl: 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



Dave Freudenthal, Governor

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John Corra, Director

## NOTIFICATION OF COVERAGE

June 11, 2007

MR JAMES OSBORNE  
CORNERSTONE DEVELOPMENT  
PO BOX 805  
LARAMIE, WY 82070

RE: EQUINE MEADOW SEWER LINE EXTENSION  
Application No. **07-314**, Albany County

Dear Mr. Osborne:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Sewage Collection Systems described as 285 ft of 12" sewer line and 3200 ft of 8" sewer line with manholes, N1/2 Section 9 T15N R73W; Albany County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by July 13, 2012.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-314** 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/7-0485

cc: IPS, Cheyenne  
James W Johnson, Jea, 110 Superior Ct, Laramie WY 82072  
Rich Merrill, City Engineer, City of Laramie, P.O. Box C, Laramie WY 82073

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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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WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 07-315

SINCLAIR WYO REFINING COM DUST SUPPRESS  
PWS

This permit hereby authorizes the applicant:

Mr Kevin Brown, V.P.  
SINCLAIR WYOMING REFINING COMPANY  
EAST LINCOLN HIGHWAY  
SINCLAIR, WY 82334

to conduct construction dust suppression with hydrotest water from newly constructed refinery facilities according to the procedures and conditions of the application number 07-315. The facility is located in the Sinclair Refinery located in Sections 16 & 21 T21N R86W; Carbon County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed July 13, 2009. The issuance of this permit confirms that the Wyoming Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator.

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

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

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

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

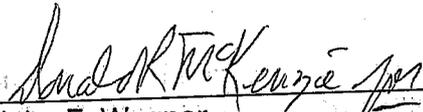
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

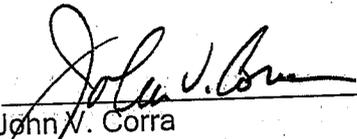
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- 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

Date of Issuance 6/1/07

LBH/rm/7-0452

## STATEMENT OF BASIS

1. Permit Number:        **07-315**
2. This application was reviewed for compliance with the applicable regulations ;  
                          Chapters 3, 11
3. Does the permit comply with all applicable regulations identified above?  
                          Yes
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.
5. Land application of hydrotest water from waters of the State or potable sources not exposed to petroleum contamination is exempted from review by Chapter 3, Section 17.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Louis Harmon, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on May 31, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



# Department of Environmental Quality

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



Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 29, 2007

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

RE: Northwest Rural Water District - North Cody Service Area - High Plains Subdivision  
Waterline Extension, Permit Number: 07-316, Tract 74-C, Section 20, T53N, R101W,  
Park County, PWS #WY5601254C

Dear Ms. Overfield:

This project includes the installation of approximately 710 linear feet of 2-inch water line to serve five residential connections along Prairie Schooner Drive. The above application for coverage under General Permit to construct a water distribution line, extension of a public water supply system has been reviewed in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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

Sincerely,

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

cc: Ed Higbie, 213 North 44<sup>th</sup> St., Cody, WY 82414  
Robert Overfield, P.E., Engineering Associates, P.O. Box 1900, Cody, WY 82414  
IPS, Cheyenne

encl: General Permit For a Public Water Supply Distribution System

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

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

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

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

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

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





# Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

July 9, 2007

Conoco/Phillips  
ATTN: Rodney Warren  
PO Box 5  
Lysite, WY 82642

RE: Lost Cabin Gas Plant Septic System II  
Application No. 07-317

Dear Mr. Warren:

This project includes the installation of an onsite wastewater (septic) system. The project includes approximately 115 lineal feet of six inch SDR collector line with a four inch service line, a 1,500 gallon septic tank, approximately 269 lineal feet of six inch effluent line to the leaching area, seven flow dividing trees, and a leaching area with 64 infiltrating chambers. DEQ has reviewed your application for coverage under the General Permit Authorization to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 7; and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations. We hereby approve your application.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the attached general permit.

The approval granted under this Notification Of Coverage and the General Permit shall expire on July 1, 2008. Please reference Application Number 07-317 in any future correspondence.

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

Sincerely,

Brian Mark  
Staff Engineer  
Water Quality Division

BDM/rm/7-0543

Enclosures: GENERAL PERMIT - Authorization to Construct, Install, Modify or Operate a Small Wastewater Facility  
Certificate of Completion form

cc: James Brough, DEQ, Lander  
Terry Zenk, APEX Surveying, PO Box 1751, Riverton, WY 82501

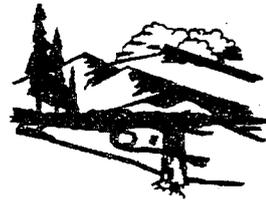
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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

June 22, 2007

Charles G. Osman  
101 North Fort Lane, Suite 101  
Layton, UT 84041

RE: Shoppes at Cody Water and Sewer Extensions Project  
Application No. 07-318

Dear Mr. Osman:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on June 22, 2008. Please reference Application Number 07-318 in any future correspondence.

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

Sincerely,

Brian Mark  
Staff Engineer  
Water Quality Division

BDM/bb/7-0534.NOC

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  
Julie Miller, Engineering Assoc., PO Box 1900, Cody, WY 82414  
James Brough, Department of Environmental Quality, Lander  
Steve Payne, City of Cody, PO Drawer 2200, Cody, WY 82414

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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WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 07-319

Falls Campground Water System Rehabilitation  
PWS #5680027

This permit hereby authorizes the applicant:

Rick Metzger, District Ranger  
USDA Forest Service  
1403 West Ramshorn  
Dubois, WY 82513

to install a 5,000-gallon underground storage tank in tandem with a pitless adapter and 10 gpm submersible pump, and a utility building with a hypochlorination system and a 80-gallon hydropneumatic tank, according to the procedures and conditions of the application number 07-319. The existing spring source will be abandoned and will be replaced with commercially hauled, chlorinated water. The facility is located 22 miles west of Dubois and 30 miles east of Grand Teton National Park and within SE ¼, NE ¼, Section 7, Township 43 North and Range 109 West in the county of Fremont, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by August 31, 2009.

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

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

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

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

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

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

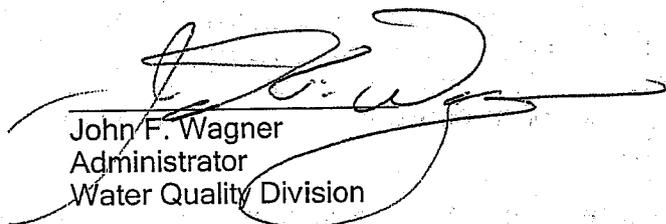
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not

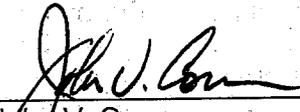
relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

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

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

8/22/07  
Date of Issuance

JSB/rm/7-0726

SRS 8/22/07



## STATEMENT OF BASIS

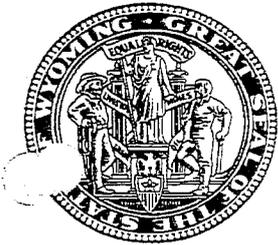
1. Permit Number: 07-319
2. Application reviewed for compliance with the following regulations:  
Chapters 3, and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above? Yes
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.  
No.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James Brough, [jbroug@state.wy.us](mailto:jbroug@state.wy.us), Northwest District Engineer and completed on August 20, 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."

xc: Sammie McDowell, USDA Forest Service, 925 Weiss Dr., Steamboat Springs, CO 80487

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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

07-320

March 7, 2008

Dan Scheer  
High Country Realty  
1471 Dewar Drive, Suite 101  
Rock Springs, WY 82901

RE: Cross Roads Commercial Park - Water & Sewer Extensions

Dear Mr. Scheer:

Your permit application materials are being returned since no written response has been received as requested in the Wyoming Department of Environmental Quality's July 9, 2007 permit application review letter. According to Chapter 3 of the Water Quality Rules and Regulations Section 9(a)(B), if an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned.

Our Records indicate that a written review was done on the following project. A copy of this review was sent to you, requesting additional information. The requested, information, necessary to process this application has not yet been received by the Department of Environmental Quality. The specific information for your proposed project is as follows:

Facility Name: Cross Roads Commercial Park- Water & Sewer Extensions  
DEQ/WQD Reference Number: #07-320  
DEQ/WQD Reviewing Engineer: Mark Baron, P.E.  
Date of DEQ/WQD Review: July 9, 2007

The construction, installation, or modification of any sewerage system, treatment works, disposal system including septic systems, or other facility capable of causing or contributing to pollution, or public water supply system including water mains, water wells, water services greater than 2-inch in diameter or other facilities without a Permit to Construct, is a violation of Wyoming State Statute 35-11-301.



If you have any questions regarding my review comments or this letter, please contact me at 307-335-6962.

Sincerely,



Mark Baron, P.E.  
Southwest District Engineer

MDB/mdb

Enclosure: Permit Application Package 07-320

xc:

Randy J. Hansen, P.E., JFC Engineers & Surveyors, 1515 Ninth Street, Rock Springs, WY  
82901  
Rock Springs Investment, LLC, 2201 Lind Avenue SW, Suite 150, Renton, WA 98055

IPS

file (3)

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 07-321

Land Application of Excavation Dewatering  
KG Construction CO Project

This permit hereby authorizes the applicant:

KG Construction Company  
2711 South Douglas Highway  
Gillette, Wyoming 82716

to construct, install or modify a one -time land application of excavation dewatering (precipitation) as per procedures and conditions of the application number 07-321. The facility is located in SE/NE of Section 34 & S/2 of Section 35, Township 50 North, Range 72 West in the county of Campbell, in the State of Wyoming. This permit shall be effective until August 1, 2008.

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

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

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

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

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

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

The permittee shall conduct permitted land application in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit

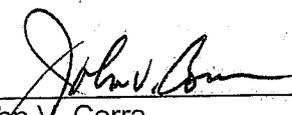
does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

- 1 of 5 The applicant will provide immediate oral or written notice to the DEQ/WQD Northeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 5 The applicant shall submit a report to the department providing relevant details of the land application, including quantity of water applied, dates applied, and completion date of the land application.
- 3 of 5 No overland flow or ponding of water will be allowed in any land application areas.
- 4 of 5 Within sixty days of completion of the land application, the applicant will submit to the DEQ/WQD Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Dates that the land application was initiated and terminated for the irrigation season; and
  - b. Certification the land application was performed in accordance with the terms and conditions of the permit; or
  - c. Certification the land application was completed with changes or modifications. Submittal of documentation of the land application sites where the changes or modifications were performed if appropriate. All modifications or deviations from the authorized plans must be highlighted; and
  - d. Landowner certification and applicable documentation that the site has been properly reclaimed.
- 5 of 5 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 Y. Corra  
Director  
Department of Environmental Quality

6/1/07  
Date of Issuance

JDL/rm/7-0454

cc: WDEQ Casper Field Office

## STATEMENT OF BASIS

1. Permit Number: 07-321
2. Application reviewed for compliance with the following applicable regulations :
  - a. Chapter 11.
3. Does the permit comply with all applicable regulations identified above?
  - a. Yes
4. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.

The water is being applied at an agronomic rate to prevent groundwater impacts.

5. Documentation of Statement of Basis.

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

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by J. Dennis Lamb, CBM Group Supervisor, and completed on May 31, 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."



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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June 14, 2007

Randall S. Faust  
P.O. Box 1097  
Sundance, Wyoming 82729

RE: Faust Residential Septic System  
Permit # 07-322

Dear Mr. Faust:

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) 473-3465. Thank you.

Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
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  
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## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

August 14, 2007

Jim S. Willey  
13 Buffalo Run Drive  
Banner, WY 82832

RE: Carrington Street and Utility Improvements, WDEQ #07-323, Sheridan County

Dear Mr. Willey:

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

If you have any questions, please contact me at 307-473-3478.

Sincerely,

*Karen L. Farley*

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

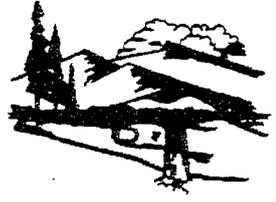
Enclosures:      General Permits  
                         Application  
                         Plans and Specifications  
                         Certificate of Completion

CC:      SSR Construction, Inc., 12 Bighorn Meadows Drive, Sheridan, WY 82801  
            Mike Cole, City of Sheridan, P.O. Box 848, Sheridan, WY 82801  
            WDEQ File  
            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.

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

October 29, 2009

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

RE: Transfer of Ownership,  
Carrington Street and Utility Improvements  
Sheridan County, Reference Permit #07-323  
Permit #09-608

Dear Mr. Knodel:

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 (WWQRR) and 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 and Chapter 11 of the WWQRR has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package.

If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Engels  
WDEQ/WQD

SE/bb/9-0975

cc: IPS, Cheyenne  
WDEQ Casper File  
Jim Willey, P.E., 13 Buffalo Run Drive, Banner, WY 82832  
Brett Sayer, 12 Big Horn Meadows Drive, Sheridan, WY 82801

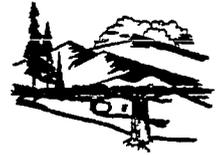
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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

June 13, 2007

Chairman  
Natrona County Board of County Commissioners  
200 North Center  
Casper, WY 82601

RE: **Non-Adverse Recommendation**  
Lake Ridge Estates, Phase I, Natrona County  
WDEQ Application #07-324

Dear Mr. Chairman:

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:**

The proposed Lake Ridge Estates, Phase I subdivision is situated in portions of Sections 20, 21, and 29, Township 30N, Range 83W, Natrona County, and is approximately 30 miles west of Casper, Wyoming, northwest of Alcova Reservoir and south of Wyoming State Highway 220. The subdivision is proposed to encompass 360.32 acres, comprised of 34 residential lots ranging in size from 6.28 to 17.33 acres. The density of the subdivision is based on 4-bedroom homes. The proposed sewage disposal system is to use on-site septic tanks and absorption fields. Reported soil percolation rates range from 2.3 minutes/inch to 5.0 minutes/inch.

The consultant has determined that most of the lots can utilize conventional gravity septic systems, consisting of a septic tank and leach field. Each lot to be developed will require individual percolation tests, to be completed in the location of the proposed leach field. Septic tanks will be required to have a minimum liquid capacity of 1000 gallons for houses up to four bedrooms in size. Any homes with more than four bedrooms will need to provide a septic tank with additional capacity of 250 gallons per bedroom.

A geotechnical evaluation was completed to determine depth to groundwater and bedrock. No groundwater was encountered during any of the investigations done at the site. At WDEQ's request, six additional borings to 8' were done at locations that were determined to be the most likely to encounter bedrock. Of those six, one boring in the vicinity of Lot 17 (as shown on the Final Plat dated May 2007),



encountered bedrock at less than 8'. The other five borings encountered mostly sands and alluvium to 8' in depth. The consultant has stated that, because there exists the possibility of encountering bedrock during development of the subdivision, non-conventional systems such as a mounded leach field, non-discharging pond, or an evapotranspiration (ET) bed could be utilized. However, because of the nature of the development, WDEQ does not recommend the use of on-site ET beds or non-discharging ponds for individual on-site septic systems.

Another feature evident across the subdivision is the presence of steep slopes in some areas. This feature will need to be taken into account when designing the septic system. Chapter 11 states that for soils which have a percolation rate faster than 5 minutes/inch, absorption systems cannot be placed in areas where the natural slope is 25% or greater. It is WDEQ's recommendation that flatter slopes be considered in those instances where the effluent may surface downslope. Additionally, "...absorption systems must be located at least 15 feet from the top of any break in slope which exceeds the maximum allowed" slope of 25%. These requirements may make some of the lots difficult to develop, due to these limitations.

The consultant used the Wehrmann model to evaluate the effect of cumulative nitrate concentrations at the down-gradient subdivision boundary. Chapter 11 regulations state that nitrate concentrations cannot exceed 10 mg/l at this boundary. Despite the repeated attempts by the consultant to model the subdivision, and after further review of the geologic setting of the subdivision, WDEQ is not confident that the results presented are representative of the actual conditions within the subdivision area. The possibility of rock layers and other barriers impeding and affecting the direction of movement of groundwater through the subdivision have not been taken into account. Therefore, WDEQ can not agree with the conclusions reached by the consultant that nitrate levels will remain below 10 mg/l. However, it may be very difficult, if not impossible, to accurately model the area due to its geologic setting. WDEQ does agree with the consultant that the minimum isolation distances given in the WDEQ Chapter 11 Regulations between septic tanks and water wells (50 feet), and the leach fields and water wells (100 feet), will be adequate to eliminate the risk of contamination of the water wells by the septic systems.

The WDEQ has reviewed the submitted information and has determined that the use of on-site sewage septic systems is feasible. Since Natrona 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, that design standards and requirements of this report are met.

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

The water system for this subdivision is proposed to be from individual on-site wells. The consultant performed extensive aquifer tests on two separate wells located within the subdivision area – one is completed in the Tensleep formation, the other in the Chugwater formation, and has provided information on the quality and quantity of the water supply. Both of these formations are anticipated to be the primary targets for on-site water wells by potential homeowners. The results of these tests show that the use of on-site water wells is feasible for the subdivision. The consultant has provided the following conclusions:

- 1) Individual wells completed in the Chugwater Formation, Tensleep Sandstone, and Madison Limestone should be capable of yielding adequate groundwater supplies for individual-lot water demands.
- 2) The natural flow of groundwater through the aquifers beneath the site is adequate to meet the long-term water demands of the proposed subdivision if all 34 lots in the subdivision are equipped with individual wells, under both the expected partial occupancy and the less likely possibility of 100 percent full-time occupancy.
- 3) Laboratory analyses indicate that the quality of groundwater from the Chugwater Formation and the Tensleep Sandstone meets the WDEQ Class I (domestic) Use Suitability standards. Based on the geologic setting of the area and the quality of groundwater from the Madison Limestone in other areas, the quality of groundwater from the Madison Limestone in the subdivision area is expected to also meet the Class I Use Suitability standards.

It needs to be noted, however, that the laboratory analyses did indicate arsenic at a slightly higher level than the drinking water standards established by EPA for a public water supply for the well located within Lot 11 (P168558W). As a result, the consultant has recommended that each well developed within the subdivision be sampled and analyzed for water quality.

The WDEQ has reviewed the submitted information and is satisfied that the quality and quantity of the available water is adequate. The following language needs to be added to the plat or all offers, solicitations, advertisements, contracts, and agreements relating to the subdivision, advising potential buyers of the following:

- 1) Any on-site wells developed for domestic use must be sampled and tested to determine the quality of the water prior to use as a potable water supply. Additional treatment of the water supply may be necessary.
- 2) Potential buyers/lot owners are advised to hire a reputable well drilling contractor and construct/complete their well within guidelines described in 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 a “**non-adverse**” **recommendation** on this proposed subdivision regarding the safety and adequacy of the proposed on-site wastewater treatment systems and the proposed individual on-lot water wells. However, the potential for development of Phase II, which is located to the west and adjacent to Phase I, may have an impact on both the adequacy and quality of water in the Phase I subdivision. Both phases will have to be evaluated together as one development, if and when Phase II moves ahead. The conclusions in this review could be amended at that time.

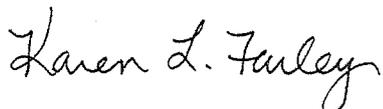
### **Disclaimer**

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) 473-3465 or kfarle@state.wy.us if you have any questions on this correspondence.

Sincerely,



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

cc: Robert Bennett, CEPI, 6080 Enterprise Drive, Casper, WY 82609-4294  
Scott Brownell, Lake Ridge Estates, 4311 Caribou, Casper, WY 82604  
Patsy Horton, Natrona County Planning Office, 120 West 1<sup>st</sup>, Casper, WY 82601  
WDEQ Subdivision File  
IPS (Cheyenne)



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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July 11, 2007

Kyle Frisinger  
Pete Lien & Sons  
P.O. Box 440  
Rapid City, SD 57709

RE: Pete Lien Quarry Commerical Septic System  
Permit # 07-325

Dear Mr. Frisinger:

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) 473-3452. Thank you.

Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
WDEQ File  
Tim Lyons, Crook County, P.O. Box 848, Sundance, WY 82729  
Ryan Broderson, Broderson Bros. Construction, LLC, 10986 East Highway 34, Belle Fourche, SD 57717  
Allan Schreier, Schreier Engineering, 1403 5<sup>th</sup> Avenue, Suite 6, Belle Fourche, SD 57717





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

June 14, 2007

John L. Riley  
c/o Wenaly Kipp  
4649 Highway 14  
Sundance, Wyoming 82729

RE: Riley Residential Septic System  
Permit # 07-326

Dear Mr. Riley:

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.

**This authorization for a Permit to Construct is for a septic system to service up to a two bedroom home and an additional one-bedroom apartment in the barn.**

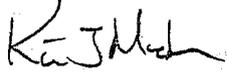
Additionally, the following project specific conditions also apply:

- A. **Clean-Out Port** – A clean out port will be required at the junction of sewer pipes from the barn and future house.



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

Sincerely,



Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
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

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### NOTIFICATION OF COVERAGE

August 15, 2007

Sully E. Simons  
5480 Old Highway 14  
Beulah, WY 82712

RE: Simons Residential Small Wastewater System, Crook County  
Permit # 07-327

Dear Mr. Simons:

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*

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  
Yarrow Wolfe, CCRD, P.O. Box 1070, Sundance, WY 82729

Page 1 of 1





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

August 14, 2007

Jeff Feck, P.E.  
Vista West Engineering  
P.O. Box 785  
Sheridan, WY 82801

RE: Cloud Peak Ranch – 8<sup>th</sup> Filing, WDEQ #07-328, Sheridan County

Dear Mr. Feck:

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

If you have any questions, please contact me at 307-473-3478.

Sincerely,

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

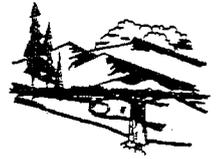
Enclosures: General Permits  
Application  
Plans and Specifications  
Certificate of Completion

cc: Don B. Roberts, System Land, LLC, 2 Soldier Creek Road, Sheridan, WY 82801  
Mike Cole, City of Sheridan, P.O. Box 848, Sheridan, WY 82801  
WDEQ File  
IPS (Cheyenne)





The State  
of Wyoming



Dave Freudenthal, Governor

## Department of Environmental Quality

John Corra, Director

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

### NOTIFICATION OF COVERAGE

September 26, 2007

Dale Bell  
Lot 321  
Sand Creek Road  
Beulah, WY 82712

RE: Dale Bell Small Wastewater System, Crook County  
Permit # 07-329

Dear Mr. Bell:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, 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) 473-3478. Thank you.

Sincerely,

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

Enclosures: General Permit  
Certificate of Completion

cc: Tim Lyons, Crook County, P.O. Box 37, Sundance, WY 82729  
Allan Schreier, P.E., 1403 5<sup>th</sup> Avenue, Suite 6, Belle Fourche, SD 57717  
Jerry Robinson, Robinson Construction, 226 Thunderbolt Court, Spearfish, SD 57783 (w/o enc)  
WDEQ File  
IPS (Cheyenne)

Page 1 of 1





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

### NOTIFICATION OF COVERAGE

August 15, 2007

Granite Peak Development  
P.O. Box 51568  
Casper, WY 82605

RE: East Lathrop Addition-Phase II, WDEQ #07-330

Dear Sirs:

The above application 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 and 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. 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 307-473-3465.

Sincerely,

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

Enclosures:    General Permits  
                     Plans

CC:    Robert Bennett, P.E., 6080 Enterprise Drive, Casper, WY 82609  
       WDEQ File  
       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.

Dave Freudenthal, Governor

John Corra, Director

June 1, 2007

Laramie County Board of Commissioners  
300 West 19th Street  
Cheyenne, Wyoming 82001

RE: Randall T Subdivision, Laramie County  
WDEQ Application #07-331

Dear Commissioners:

The Wyoming Department of Environmental Quality (WDEQ) has received application material related to the Randall T Subdivision for review of the safety and adequacy of water supply and sewer systems pursuant to W.S. §18-5-306. The application material was received May 31, 2007. As described in the statute, WDEQ has 30 days to respond with comments and recommendations; however, if necessary WDEQ may extend the review period for an additional 30 days. Due to workload, at this time WDEQ is extending the review period. Therefore, WDEQ's recommendations will be provided to the Commission by July 30, 2007.

A copy of the subdivision application package has been provided to the Wyoming State Engineer's Office for their information and advice to the Water Quality Division.

Please do not hesitate to contact me at (307)-777-6183 if you have any questions regarding this subdivision application or WDEQ's subdivision application review process.

Sincerely,

Ronald L. Ewald, PE  
SE District Consulting Engineer  
Water and Wastewater Program, Water Quality Division

cc: William E. Turncliff, 818 Sterling Dr., Cheyenne, WY 82009  
South Cheyenne Water & Sewer District, 215 E. Allison Road, Cheyenne, WY 82007  
James Johnson, Johnson Engineering Assoc., 110 Superior Ct., Laramie, WY 82072  
Cheyenne/Laramie County Development Office, 2101 O'Neil Avenue, Cheyenne, WY 82001  
Mike Ebsen, SEO with enclosure

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

May 31, 2007

ROBERT KISER, FACILITIES MANAGER  
WYOMING DEPARTMENT OF CORRECTIONS  
700 WEST 21 ST  
CHEYENNE, WY 82002

RE: WYO STATE PENITENTIARY EMERGENCY WATER LINE REPAIR,  
Application No. **07-332**, Carbon County

Dear Mr. Kiser:

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 water line emergency replacement, located at N41° 47.060' Latitude W107 14.529' Longitude Carbon County (the Rawlins Penitentiary), 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 July 13, 2009.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-332** 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/7-0450

cc: IPS, Cheyenne

GARY GRISGSBY, Western Research & Development 5908 Yellowstone Rd  
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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WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 07-333

Leachate Collection and Removal System and Water Supply System  
at Central Wyoming Regional Landfill  
PWS# WY5601415

This permit hereby authorizes the applicant:

City of Casper  
200 North David  
Casper, Wyoming 82601

to construct, install or modify a leachate collection and removal system and a water supply system at the Central Wyoming Regional Landfill; according to the procedures and conditions of the application number 07-333. The facility is located in SW1/4 Section 26 and NW1/4 Section 35, Township 34 North, Range 79 West in the county of Natrona, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by June 30, 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:

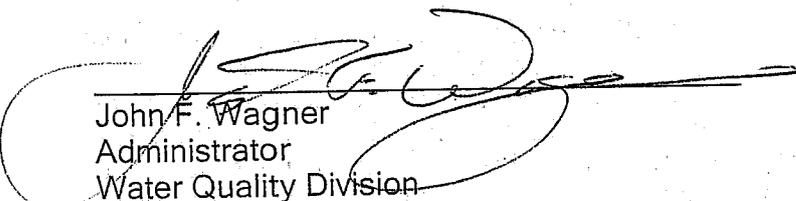
1 of 3 The applicant will provide immediate oral or written notice to the DEQ/WQD Northeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations (WWQRR) of any changes or modifications which are not consistent with the terms and conditions 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 Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:

- a. Date that construction of the facility was completed; and
- b. Date that the facility was placed in operation; and
- c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
- d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.

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

9/28/07  
Date of Issuance

KJF/DRM/cs/7-0832

## STATEMENT OF BASIS

1. Permit Number: 07-333
2. Application reviewed for compliance with the following applicable regulations:
  - a. Chapters 3, 11, and 12.
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 required
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 September 24, 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."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 07-334

REFERENCE PERMIT NO'S. 03-044, 03-128

DRY CREEK RECLAIMED WASTEWATER BULK TRUCK FILL STATION

This permit hereby authorizes the applicant:

CHEYENNE BOPU  
2100 PIONEER AV  
CHEYENNE, WY 82001

to construct, install or modify a Dry Creek Reclaimed Wastewater Bulk Water Truck Fill Station according to the procedures and conditions of the application number 07-334. The facility is located in NW1/4 Section 6 T13N R65W; Laramie County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed July 13, 2009.

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

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

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

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

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

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

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

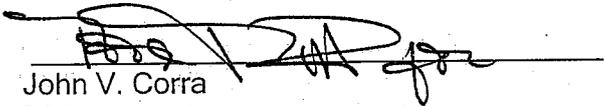
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

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

Date of Issuance June 8, 2007

LBH/rm/7-0481

## STATEMENT OF BASIS

1. Permit Number: 07-334
2. This application was reviewed for compliance with the applicable regulations ;  
Chapters 3, 11
3. Does the permit comply with all applicable regulations identified above?  
Yes
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.  
  
Sewerage systems are exempted from review by Chapter 3, Section 17.  
Reuse of treated wastewater is exempted from review by Chapter 3, Section 17.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.
- 6.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Louis Harmon, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on June 8, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

July 25, 2007

Brad Estes  
The Bed Company of Rock Springs, LLC  
P.O. Box 9003  
Rapid City, SD 57709

RE: Rock Springs - Hampton Inn - Water and Sewer Main Extensions - Permit Number 07-335, SW 1/4, Section 34, T19N, R105W, Sweetwater County

Dear Mr. Estes:

The above application for coverage under General Permits to Construct water and sewer main extensions consisting of 6-inch PVC water main and 6-inch PVC sewer main to serve a total of 126 double motel beds in accordance with Chapter 3, Section 7, Chapter 12, Section 14 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

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

Sincerely,

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

xc: IPS, Cheyenne  
Amy M. Allen, P.E., JFC Engineers & Surveyors, 1515 9th Street, Suite A, Rock Springs, WY 82901

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





# Department of Environmental Quality

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



Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 29, 2007

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

RE: Northwest Rural Water District - O'Donnell Service Area - Kobbe Subdivision  
Waterline Extension, Permit Number: 07-336, SW ¼ NW ¼, Lot 64, T55N, R99W, Park  
County, PWS #WY5601254C

Dear Ms. Overfield:

This project includes the installation of approximately 9,636 linear feet of 3-inch water line to serve 10 residential connections in the Kobbe Subdivision. The above application for coverage under General Permit to construct a water distribution line, extension of a public water supply system has been reviewed in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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

Sincerely,

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

cc: Vince Kobbe, 326 W. 5<sup>th</sup> St., Powell, WY 82435  
Robert Overfield, P.E., Engineering Associates, P.O. Box 1900, Cody, WY 82414  
IPS, Cheyenne

encl: General Permit For a Public Water Supply Distribution System

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

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

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

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

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

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION

PERMIT NO. 07-337R

Notice of Violation Docket Number 4130-07

Lincoln County - River Bend Meadows Subdivision Water Storage Tank and "As Built" Water Well

This permit hereby authorizes the applicant:

Gordon M. Olson, Managing Partner  
River Bend Meadows, LLC  
190 Newport Center Dr., Suite 100  
Newport Beach, CA 92660

to construct a 100,000 gallon concrete storage tank to serve the River Bend Meadows Subdivision system and serves to permit the addition of a drilled water well with an "as built" status; according to the procedures and conditions of the application number 07-0337R. The facility is located approximately 1 miles north of The Town of Thayne within NE 1/4, Section 10, T34N, R119W in the county of Lincoln, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by March 17, 2010.

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

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

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

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

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

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

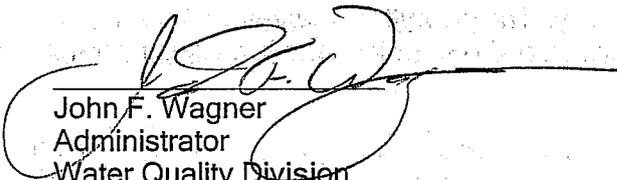
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not

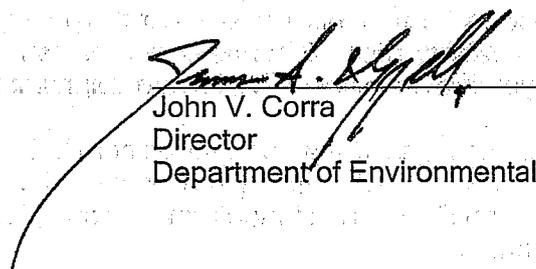
relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

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

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

3-19-08  
Date of Issuance

PDR/rm/8-0213

## STATEMENT OF BASIS

1. Permit Number: 07-337R
2. Application reviewed for compliance with the following regulations:
3. Chapters 3, and 12 of the Wyoming Water Quality Rules and Regulations.
4. Does the permit comply with all applicable regulations identified above?

No. A test well to be an integral component of the system was constructed in violation of W.S. 35-11-301(a)(v). A settlement agreement was produced between parties and the WDEQ following issuance of a Notice of Violation Docket Number 4130-07. This permit includes the well which is permitted with an "as built" status.

5. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.

NA

6. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.

Not Required

7. 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 Perry Roberson, prober2@state.wy.us, Consulting Engineer, approved by Mark Baron P.E. Southwest District Engineer and completed on March 17, 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."

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 (AREA PERMIT)

(X) New  
( ) Modified

Permit Number 07-338  
UIC Facility Number WYS-007-00165

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.

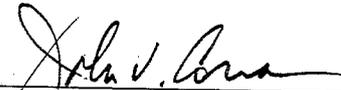
Applicant: Anadarko E&P Company LP  
1099 18<sup>th</sup> Street  
Suite 1200  
Denver, CO 80202  
(303) 452-5603

Anadarko E&P Company LP, hereafter referred to as the Permittee, is authorized to operate Anadarko AR Fed 1591 1-9i, AR Fee 1591 40-4i, AR Fee 1591 13-15i, AR Fed 1591 15-6i, AR Fed 1591 17-7i, AR Fed 1591 7-20i, AR Fed 1591 9-21i, AR Fed 1691 13-28i, AR Fed 1691 13-29i, AR Fed 1691 13-32i, AR Fed 1691 5-33i, AR State 1591 13-16i, within Sections 4,6,9,15,17,20,21; Township 15 North; Range 91 West, and within Sections 16,28,29,32,33; Township 16 North; Range 91 West of the 6<sup>th</sup> Principal Meridian, Carbon County; according to the procedures and conditions of application 07-338 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

8/6/07  
Date

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

8/7/07  
Date

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**A. Discharge Zone**

Twelve (12) injection wells are authorized to inject into the Haystack Mountains Formation. The injection zones are identified in **Table 1** as follows:

**Table 1 (Perforated Zones)**

Well Name	Haystack FM Perforated Zones	Porosity	Thickness	AOR	Injection bbls/day	Max Pressure
AR Fed 15911-9i	2729-3379	17.1	197	3,356	25,000	729
AR Fee 1591 11-4i	2640-3590	17.5	197	3,356	25,000	705
AR Fee 1591 13-15i	2434-3384	17.6	197	3,356	25,000	650
AR Fed 1591 15-6i	4369-5319	17.5	197	3,356	25,000	1167
AR Fed 1591 17-7i	4059-5009	16.8	197	3,356	25,000	1083
AR Fed 1591 7-20i	4227-5677	13.0	197	3,356	25,000	1262
AR Fed 1591 9-21i	3766-4716	14.9	197	3,356	25,000	1005
AR Fed 1691 13-28i	2226-3176	16.6	197	3,356	25,000	594
AR Fed 1691 13-29i	2972-3922	18.1	197	3,356	25,000	794
AR Fed 1691 13-32i	3419-4369	18.4	197	3,356	25,000	913
AR Fed 1691 5-33i	2518-3468	17.4	197	3,356	25,000	672
AR State 1591 13-16i	3379-4329	17.1	197	3,356	25,000	1129

A 4 ½ inch tubing and injection packer will be set within 100 feet of the perforations in each well. Additional perforation zones may be extended within the Haystack Mountains Formation with the prior written approval of the Department. The length of time of operation of each well is ten years.

## B. Well Location and Area of Review

The injection wells authorized by this permit are identified in **Table 2** as follows:

**Table 2 (Injection Well Public Land Survey Locations)**

Well Name	Section (1/4, 1/4)	Section	Township	Range
AR Fed 1591 1-9i	NENE	9	15	91
AR Fee 1591 40-4i	NESW	4	15	91
AR Fee 1591 13-15i	SWSW	15	15	91
AR Fed 1591 15-6i	SWSE	6	15	91
AR Fed 1591 17-7i	SWNE	17	15	91
AR Fed 1591 7-20i	SWNE	20	15	91
AR Fed 1591 9-21i	NESE	21	15	91
AR Fed 1691 13-28i	SWSW	28	16	91
AR Fed 1691 13-29i	SWSW	29	16	91
AR Fed 1691 13-32i	SWSW	32	16	91
AR Fed 1691 5-33i	SWNW	33	16	91
AR State 1591 13-16i	SWSW	16	16	91

## C. Groundwater Classification

The groundwater in the Haystack Mountains Formation is classified as Class III according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification was made because the groundwater in the Haystack Mountains Formation has total dissolved solids concentration of 1870 mg/L and a sodium adsorption ratio of 44.1. An aquifer that has a sodium adsorption ratio greater than 8.0 is classified as Class III.

## D. Authorized Operations

The Permittee is authorized to inject a maximum of 25,000 barrels per day in each well, or 300,000 barrels per day as a combined twelve (12) well system of produced water resulting from coal bed methane extraction. For operation and maintenance considerations such as conducting mechanical integrity tests or well workovers, the Permittee may inject more than 25,000 barrels per day per well on a temporary basis with prior written approval from the Department. The Permittee is authorized to inject at a surface pressure of no more than is designated for each well in Table 1 above.

1. The Permittee shall submit a one-time baseline ground water sample obtained from the perforated intervals for the Haystack Mountains Formation of the all the wells listed in Table 1 prior to injection of any fluids. Parameters to be analyzed are listed on the reporting form. The Permittee is prohibited from injection into this well until authorized by the Department.

2. Construction of well sumps (one sump per injection well) to a depth not to exceed 500 feet are authorized for the purpose of providing subsurface storage of produced water prior to injection. Well sumps shall be constructed in accordance with the supporting materials submitted with the application and shall comply with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G. Variations in well sump construction may be authorized with prior written approval of the Administrator. All well sumps shall be plugged and abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G by filling the well casings from bottom to top with Portland cement or equivalent. An initial Part I mechanical integrity test shall be completed prior to well sump use to demonstrate the absence of leaks through the well casing and bottom seal. A successful test shall show that there has been less than 10% pressure loss after fifteen (15) minutes at 700 psig.

#### **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 mechanical integrity of the wells, effective performance, adequate funding, Permittee 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 injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapter 16, Section 10.

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 and all original strip chart recordings for continuous monitoring instrumentation, 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 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 plugging and abandonment procedures. The Administrator may require the owner/Permittee 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 twenty-four (24) hours from the time the Permittee 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 five (5) days of the time the Permittee 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 thirty (30) days following each schedule date.
9. The Permittee shall notify the Department sixty (60) days prior to the spudding of each new injection well so that a joint field inspection may be coordinated between both parties during well construction.
10. The Permittee shall notify the Department thirty (30) days prior to conducting the two-part mechanical integrity tests for each well.

**I. Requirements for Monitoring the Discharge**

General Requirements:

1. The Permittee shall meter all water injected into each well.

- The Permittee shall monitor the quality of the injected fluid on the schedule identified below. Grab samples shall be taken from the flow line prior to injection where any necessary pretreatment has taken place. The following parameters shall be analyzed by the listed methods and reported quarterly:

**Table 4 (Injected Fluid Sampling Schedule)**

Sampling Schedule	Parameter Analyzed	Analytical Method	Permit limit or UCL*
Quarterly (grab)	Total Dissolved Solids	EPA Method 160.1	5,000 mg/L
	Sodium Adsorption Ratio	Calculated from other analysis	No limit
	Iron Fixing Bacteria	Standard Method	0
	Sulfate Reducing Bacteria	Standard Method	0
	Coliform Bacteria	Standard Method	0
	pH	EPA Method 150.1	> 6.5 and < 8.5
	Combined Volume	Flow meter	25,000 barrels/day/well
	Injection Pressure (max)	Gauge	1,262 psi

\*All chemical concentrations in this permit are expressed in mg/L unless otherwise noted. pH is always expressed in standard units.

The above upper control limit (UCL) can not be exceeded for any parameter. Exceedance of this value is 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 also a violation of this permit.

#### 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 wells covered by this permit.

2. The Permittee shall submit a one-time baseline ground water sample obtained from the perforated intervals for the Mesaverde Formation from all the production wells prior to injection of any fluids. Parameters to be analyzed are listed on the reporting form. The Permittee is prohibited from injection into the injection wells until authorized by the Department. Groundwater will be classified based upon the water quality results of the grab samples for the Mesaverde Formation. Injection will be contingent upon groundwater classifications for the Mesaverde Formation and Haystack Mountains Formations i.e. the producing and injection wells.

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

This permit is issued for a period of ten (10) 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 prior to the expiration date of this permit. An expired permit continues in effect until a new permit is issued or the permit is terminated by the Administrator. 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;
2. Obtaining a permit by misrepresentation of facts in the application; or
3. Failure of the tubing, casing, cement, or confining layers.

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. Mechanical Integrity**

Mechanical integrity shall be maintained continuously. The Permittee shall pressure test the casing before injection and at least once every five (5) years. The casing shall be pressure tested up to an indicated surface pressure of 700 psi and held for 15 minutes. A passing test shall show that there is less than 10% pressure loss after 15 minutes at 700 psi.

**N. Abandonment or Conversion to Water Wells**

General Requirements:

1. The Permittee shall notify the Administrator at least seven (7) days before conversion or abandonment of the facility.
2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this general 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. In no case shall the abandonment procedure be less stringent than that required at the time of abandonment by the Wyoming Oil and Gas Conservation Commission for the abandonment of producing oil wells.
4. Injection wells covered by this permit shall be permanently abandoned or converted to another use within three (3) years after the date when coal bed methane water was last injected unless those wells are converted to water wells.
5. Wells which are to be converted to another use shall be covered by an approved Wyoming State Engineer's permit for the well showing that it has been converted to a water well. A copy of this permit shall be submitted to the Department as proof that the well has been converted.

**O. 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.

**P. 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.

**Q. 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. Noncompliance resulting in a violation 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 violation. 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.

**R. 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.

**S. 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.

**T. 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.

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 07-339

REFERENCE PERMIT NO. N/A

City of Sheridan  
Sheridan Water Treatment Plant Disinfection & Coagulation Improvements

This permit hereby authorizes the applicant:

City of Sheridan  
55 Grinnell Plaza  
Sheridan, WY 82801

to construct, install or modify the Sheridan Water Treatment Plant Disinfection & Coagulation Improvements, according to the procedures and conditions of the application number **07-339**. The facility is located in the NW ¼, Section 29, T56N, and R84W of Sheridan County, further located approximately one mile west of the City of Sheridan, 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.

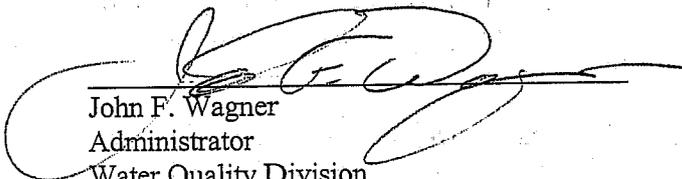
3 of 4

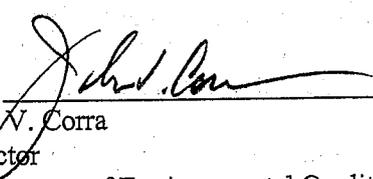
Within thirty days of completion of construction of the authorized facility, the engineer of record will submit two (2) complete copies of the modified Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601.

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

8/7/07  
Date of Issuance

KLE/rm/7-0642  
ARM 8/3/7

cc: Darwin Dyck, Rothberg, Tamburini & Windsor, Inc., 1576 Sherman Str., Suite 100, Denver, CO 80203

## STATEMENT OF BASIS

1. Permit Number: 07-339
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 and completed on August 3, 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."



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

August 29, 2007

William Dewey  
Tri-City Excavation  
169 Thorn Divide Road  
Carlisle, WY 82721

RE: Porter Hoyt Residential Septic System Application, WDEQ #07-341

Dear Mr. Dewey:

This correspondence is to inform you that as of this date, we have not received any further information on this septic system. The original application was returned to you on June 11, 2007, because it was not signed by the owner of the property. At that time, we informed you that a permit could not be issued and that the application was being returned with no review being performed. An inspection by Wyoming Department of Environmental Quality personnel on August 2, 2007, found that the system had not been installed. If you wish to pursue acquiring a Permit to Construct for this system, you will need to resubmit all of the application information, as well as a new Permit to Construct form. Again, as of the date of this letter, no permit has been issued.

Please feel free to contact me at (307) 473-3478 or Kim Medina at (307) 473-3476 should you have any questions related to this correspondence.

Sincerely,

A handwritten signature in cursive script that reads "Karen L. Farley".

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

cc: Porter Hoyt, 17150 Big Elk Meadow Road, Gallatin Gateway, MT 59730





The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

June 11, 2007

William Dewey  
Tri-City Excavation  
169 Thorn Divide Road  
Cardile, WY 82721

RE: Septic System Permit to Construct Applications

Dear Mr. Dewey:

Recent residential septic system applications submitted by Tri-City Excavation have either been signed by representatives of Tri-City Excavation or have used Tri-City Excavation as the mailing address for the permit. This is an unacceptable practice. The Wyoming Department of Environmental Quality, Water Quality Division (WDEQ/WQD) can not issue a permit without the signature and address of the property owner.

This letter is to notify you that any applications submitted which do not include the property owner's address and signature will be returned to you as incomplete, with no review as to the adequacy of the system.

WDEQ/WQD has received the application *Permit to Construct* for the residential septic system for Porter Hoyt. The application is being returned to you for the owner's signature.

If you have any questions please contact me at (307)-473-3476.

Sincerely,

A handwritten signature in black ink that reads "Kim J. Medina".

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

cc: Porter Hoyt, 17150 Big Elk Meadow Road, Gallatin Gateway, MT 59730 (no enclosures)



WYOMING WATER QUALITY RULES AND REGULATIONS CHAPTER 3  
 PERMIT TO CONSTRUCT, INSTALL OR MODIFY  
 PUBLIC WATER SUPPLIES, WASTEWATER FACILITIES, DISPOSAL  
 SYSTEMS, BIOSOLIDS MANAGEMENT FACILITIES, TREATED  
 WASTEWATER REUSE SYSTEMS AND OTHER FACILITIES CAPABLE OF  
 CAUSING OR CONTRIBUTING TO POLLUTION

FOR USE BY DEQ/WQD ONLY

APPLICATION NO. Received 07-341

DATE RECEIVED JUN 04 2007

PROGRAM ASSIGNED Casper DEQ w.lk

Application must contain three copies each of the following: application form, plans, specifications, and pertinent design information. Submit to appropriate field office.

- DEQ/Water Quality Division, 122 West 25th Street, Herschler Building, 4W, Cheyenne, WY 82002
- DEQ/Water Quality Division, 250 Lincoln Street, Lander, WY 82520
- DEQ/Water Quality Division, 1866 South Sheridan, Sheridan, WY 82801
- DEQ/Water Quality Division, 3030 Energy Lane, Suite 200, Casper, WY 82604

- (307) 777-7781
- (307) 332-3144
- (307) 673-WQDQ [307-673-9337]
- (307) 473-3465

Name of facility: Hoyt Septic System

<p>Location of facility:</p> <p>County: <u>Crook</u></p> <p>Township: <u>52N</u> Range: <u>66W</u></p> <p>Section: <u>29, 30, 31</u> 1/4 Section: <u>3 different sections see note</u></p> <p>or if available Latitude _____ Longitude _____</p>	<p>Type of application:</p> <p>_____ As built permit                      <input checked="" type="checkbox"/> New permit</p> <p><input checked="" type="checkbox"/> General Permit                              _____ Revised permit*</p> <p>_____ Standard specification permit                      _____ Renewal of permit*</p> <p>*Previous DEQ/WQD construction permit no(s). if applicable (revision or renewal) _____</p>
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Individual Permits      Type of Project (Mark all that apply)

Water and Wastewater Program

- \_\_\_\_\_ Public water supply including 15 or more service connections or regularly serves 25 or more people; If applicable, PWS # \_\_\_\_\_ ground or surface water source, transmission line, treatment plant, chlorination or pumping system, storage facility, backflow prevention device, or laboratory
- \_\_\_\_\_ NPDES # \_\_\_\_\_
- \_\_\_\_\_ Wastewater facility including domestic sewage pond, disinfection, collection or pumping system, evaporative/containment pond, sedimentation pond, mechanical treatment plant, oil/water separator (external to a structure), sludge facility or laboratory
- If applicable, NPDES # \_\_\_\_\_
- Small wastewater facility      Septic tanks, single unit, domestic sewage, less than 2,000 gallons
- \_\_\_\_\_ Land application system      including road application, land farming or one-time land application

Groundwater Pollution Control (GPC) Program

- \_\_\_\_\_ Subsurface investigation facilities
- \_\_\_\_\_ Groundwater and contamination containment systems
- \_\_\_\_\_ Groundwater remediation/ treatment systems

General Permit in accordance with Chapter 3 Section 7

- Small wastewater facilities
- \_\_\_\_\_ Sewage collection systems
- \_\_\_\_\_ Water distribution systems
- \_\_\_\_\_ Pilot plants

Briefly describe facilities proposed to be constructed: Septic tank for single family home

Have all required State Engineer permits been obtained? Yes  No  N/A

If yes, provide permit number(s) \_\_\_\_\_  
If not, the State Engineer (phone number 777-7354) should be contacted to determine if any permits are required for this project; it is illegal to appropriate water without a permit.

<b>Owner/Permittee</b>	<b>Engineer/Geologist</b>
Name: <u>Porter Hoyt</u>	Name: _____
Address: <u>Ox Yoke Trail</u> <u>Moorcroft, WY 82721</u> (City, State, Zip)	Wyoming P.E. or P.G. _____
Mailing Address: <u>17150 Big Elk Meadow Rd</u> <u>Gallatin Gateway, MT 59730</u>	Firm: _____
Phone: <u>(406) 763-4100</u>	Address: _____
	(City, State, Zip)
	Phone: _____

This form must be signed by the owner, or in the case of the owner being a corporation or other business organization, by an individual with the legal authority to bind the corporation or business organization.

I certify that the application for the permit for the above described facility had been submitted in accordance with local, county and state statutes, as required, and that said facility shall be constructed as authorized under the provisions of any permit issued pursuant to W.S. 35-11-301 (a)(iii) and (v) including conditions of any applicable general permit issued pursuant to Section 7 Chapter 3, Wyoming Water Quality Rules and Regulations.

William C. Dewey  
Owner (Please print or type)

W.C. Dewey Pres  
Owner's Signature

Tri-City Excavation

Pres.  
Title

3/22/07  
Date

Rebecca Martinez - Re: AW number

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From: Karen Farley  
To: Spears, Chanda  
Date: 8/29/2007 3:24 PM  
Subject: Re: AW number

---

Officially it was June 11, 2007, but I just today sent them another letter reminding them that an application was no longer on file with us. I'm trying to make sure they don't build the system without a permit!

Karen

>>> Rebecca Martinez 8/29/2007 2:47 PM >>>

Karen,

I didn't notice a date on the returned application for Porter Hoyt #07-341, do you know when it was?

Thanks,  
Chanda



The State  
of Wyoming



## Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

August 2, 2007

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

RE: **Non-Adverse Recommendation**  
Pinnacle Heights II Subdivision, WDEQ Application #07-342

Dear Mr. Chairman:

The Wyoming Department of Environmental Quality (WDEQ) has completed the review of the above referenced subdivision application pursuant to W.S. 18-5-306. The subdivision is located in the SW  $\frac{1}{4}$  NW  $\frac{1}{4}$  Section 24, Township 49 North, Range 72 West in Campbell County, approximately 3  $\frac{1}{4}$  miles south of Gillette, Wyoming. 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:

The proposed sewage disposal system is to use on-site septic tanks and absorption fields for this 8-lot subdivision. Driller reports for wells in the area indicate that most of the area is comprised of sands and shales. The consultant states that "The sandy conditions of the surface indicate that it will be possible to maintain the required 4 feet of separation between bedrock or impermeable soils and the bottom of the absorption system stone." However, the consultant further states and recommends that "...additional percolation tests will need to be done by the prospective homeowner to properly size the drainfield and to insure that the drainfield is located in a sand lens rather than a less permeable shale zone." Four percolation test holes were dug throughout the proposed subdivision and reported soil percolations rates ranges from 14 minutes per inch (Lot 11) to 27 minutes per inch (Lot 14). For soils that exhibit percolation rates between 6 and 45 minutes per inch (mpi), the maximum slope on which an absorption system may be constructed is 20%. The consultant states that the surface of most of the subdivision area has slopes of approximately 10%. There are some areas within the subdivision that have slopes that are greater than 20%; however, based on the size of the lots (the smallest lots are approximately 5 acres in size), the consultant states that there is sufficient area to accommodate a drainfield and a replacement area.

The consultant states that there is no shallow water table aquifer in the area of the subdivision, with most of the driller's logs indicating that water-bearing zones are over 100 feet deep. Therefore, the required minimum depth of 4' from the bottom of the drainfield to groundwater will be easily met.



The consultant states that there are five CBM wells in the immediate vicinity of the subdivision, but are not expected to have any impact of the on-lot wastewater facilities.

The WDEQ has reviewed the information submitted and is satisfied that the use of on-site small wastewater systems is feasible. Since Campbell 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 water system for this subdivision is proposed to be supplied by the Antelope Valley Improvement and Service District. The consultant provided information on the proposed demand of the subdivision, and the capacity of the Antelope Valley I&S District to supply the additional water. A copy of an agreement between the district and the property owner was provided which states that the district has agreed to provide water to the owner. The final design for the water system has not been developed; however, the consultant states that preliminary design work indicates that system pressures will be inadequate throughout a portion of the new subdivision, unless a booster station is installed as part of the improvements. In a letter from the consultant dated June 25, 2007, the consultant states that:

"It is the developer's intent, like with the remainder of the water system for the Pinnacle Heights II Subdivision, to construct the required booster station and have Antelope Valley I&S District operate it. The developer is aware that in order for the proposed water system for the Pinnacle Heights II Subdivision to be approved by Campbell County, a booster station will be required. If needed, in order for the platting process to continue, wording could be added to the plat to the effect that a small booster station will be constructed as part of the water system to provide the minimum water pressures required."

The developer will need to obtain the necessary permits prior to construction of any and all parts of the water system.

The WDEQ has reviewed the information submitted and is satisfied as to the safety and adequacy of the proposed water supply system.

**Conclusions:**

The department has **no "adverse" recommendation** on this proposed subdivision regarding the safety and adequacy of the proposed on-site wastewater treatment systems and the water system that is proposed (connection to the Antelope Valley Improvement & Service District).

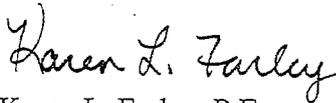
The State Engineer's Office has reviewed the information submitted and has provided comments regarding the determination of water rights (see attachment). There is one CBM well that has been permitted but has not been developed within the subdivision area; the State Engineer's Office (SEO) has identified this as a water right that has not been addressed as of the date of the writing of this review. Because of that, the SEO has stated that it is "...generally not supportive of the development at this time." This issue will have to be resolved prior to the development of the 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) 473-3478 or 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: Steve Rozier, DAS Properties, 1000 Woodland Drive, Gillette, WY 82718  
John Wetstein, Wester-Wetstein & Associates, Inc., P.O. Box 2202, Laramie, WY 82073  
Campbell County Planning Office, 500 South Gillette Ave., Suite 1500, Gillette, WY 82716  
Mike Ebsen, SEO *(w/o attachment)*  
WDEQ Subdivision File  
IPS (Cheyenne)

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 07-343

REFERENCE PERMIT NO. N/A

Town of Kaycee Water System Improvements Projects

This permit hereby authorizes the applicant:

Town of Kaycee  
P.O. Box 265  
Kaycee, WY 82639

to construct, install or modify the Town of Kaycee Water Improvements, according to the procedures and conditions of the application number 07-343. 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 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:

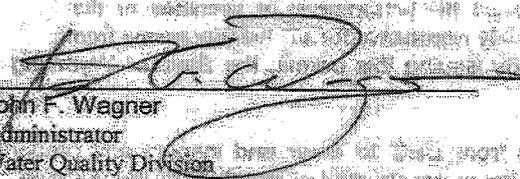
1 of 3 The applicant will provide immediate oral or written notice to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601, Phone 307-473-3465, FAX 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

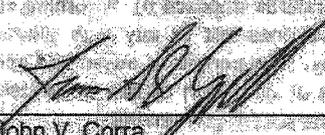
2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate 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 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

9/6/07  
Date of issuance

KLF

cc: Thomas Brauer, CEPI, 6080 Enterprise Drive, Casper, WY 82609

#### STATEMENT OF BASIS

1. Permit Number: 07-343
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 and completed on September 5, 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."



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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June 12, 2007

Clay Massie  
P.O. Box 312  
Moorcroft, Wyoming 82721

RE: Clay Massie Residential Septic System  
Permit # 07-344

Dear Mr. Massie:

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.

Additionally, the following project specific conditions also apply:

- A. Trench Backfill – The trench will be filled with a gravel to the top of the chambers. At least 6 inches of sand will be placed over the gravel. The top 6 inches of the trench will be filled with a sand/soil mixture.

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

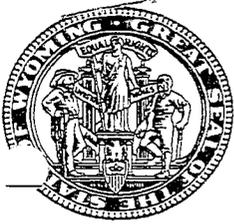
Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

cc: IPS, Cheyenne  
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

June 19, 2007

Shawn Gustafson, P.E.  
200 Pronghorn  
Casper, WY 82601

RE: Mills Sanitary Sewer Rehabilitation, WDEQ #07-346

Dear Mr. Gustafson:

The above application 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 Permit  
                  Application  
                  Certificate of Completion

cc:     Town of Mills, P.O. Box 789, Mills, WY 82644  
          WDEQ File (w/plans & specifications)  
          IPS, Cheyenne





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

October 2, 2007

William A. Mentock, PE/LS  
Engineering, Inc.  
No. 2 Taylor Place  
1030 N. Main Street  
Sheridan, WY 82801

RE: Arab Acres Water Line Extension, Sheridan County, WDEQ #07-347

Dear Sirs:

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 permits.

In addition, the following permit conditions apply:

- 1) Separation between the existing septic system leachfields and potable water mains and service lines must be a **minimum** of 25'. If separation is not attainable, an alternate method of isolating the water mains and/or service lines must be utilized. Any alternate method must be approved by the Wyoming Department of Environmental Quality/ Water Quality Division prior to construction.
- 2) If groundwater is encountered in the trench during construction, the developer will be required to test the groundwater for possible contamination related to failing septic systems prior to the placement of the water main and/or service line. Water mains and/or service lines will not be allowed to be placed in any contaminated groundwater.



If you have any questions, please contact me at 307-473-3478.

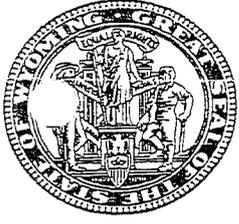
Sincerely,

*Karen L. Farley*

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

Enclosures:      General Permit  
                         Application  
                         Certificate of Completion

cc:      Tyler Diefenderer, 320 Rock Creek Road, Buffalo, WY 82834 (w/o enclosures)  
         Mike Cole, P.E., City of Sheridan, P.O. Box 848, Sheridan, WY 82801 (w/o enclosures)  
         Bruce Yates, P.E., Sheridan County Public Works Dept., 224 S. Main Street, Suite B8,  
                         Sheridan, WY 82801 (w/o enclosures)  
         WDEQ File  
         IPS, Cheyenne



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

June 7, 2007

Brian Ferguson  
P.O. Box 349  
Moorcroft, Wyoming 82721

RE: Ferguson Residential Septic System  
Permit # 07-348

Dear Mr. Ferguson:

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.

**This authorization for a Permit to Construct is for replacement of septic tank only.**

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

Sincerely,

Kim J. Medina  
Senior Environmental Analyst  
WDEQ/WQD

Enclosures: General Permit  
Certificate of Completion

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



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

PERMIT NO. 07-349

Grand Teton National Park (GTNP) - Flagg Ranch Well  
PWS #WY5680097

This permit hereby authorizes the applicant:

Thayne O'Brien, Contracting Officer  
Grand Teton National Park  
P.O. Box 170  
Moose, WY 83012

to drill, construct, develop and test GTNP -Flagg Ranch Well; according to the procedures and conditions of the application number 07-349. This well was drilled in June 2006 to a depth of 90 feet to replace two existing wells that have high fluoride and arsenic levels. The well has not been connected to the public water system. The facility is located at 44 degrees 6 minutes 30 seconds latitude and 110 degrees 40 minutes 10 seconds longitude the county of Teton, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 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, or any infringement of federal, state or local laws or regulations.

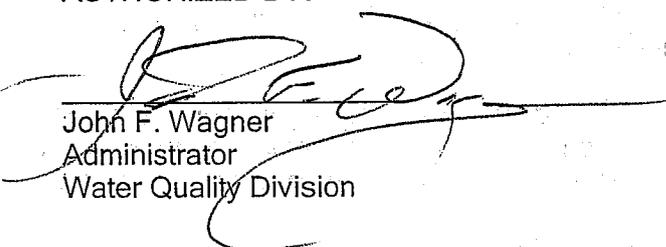
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not

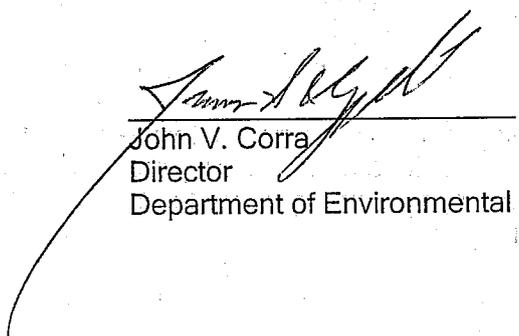
relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

- 1 of 4 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 4 A Chapter 3 Permit to Construction Application along with plans and technical specifications for the equipping of the well and other construction such as installation of discharge piping, construction of a well house, disinfection, etc. must be submitted to the Wyoming Department of Environmental Quality. A Permit to Construct must be obtained prior to construction of the aforementioned items.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate, required. All modifications or deviations from the authorized plans must be highlighted.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

9-14-07  
Date of Issuance  
JSB/DRM/cs/7-0803  
JSM 9/13/7

## STATEMENT OF BASIS

1. Permit Number: 07-349
2. Application reviewed for compliance with the following regulations:  
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?  
Yes. However, subsequent plans and specifications must be submitted for the equipping of the well and other construction such as installation of discharge piping, construction of a well house, disinfection, etc.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.  
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.  
Public water supply wells are exempted from review by Chapter 3, Section 17
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

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

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



# Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 21, 2007

Seven Mazzone  
1432 Beck Avenue  
Cody, WY 82414

RE: Seven Mazzone Duplexes, Application No. **07-350**, Park County

Dear Mr. Mazzone,

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Distribution and Sewage Collection Systems described as the Seven Mazzone Duplexes Project, Application No. **07-350**, Park County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations (WQDRR) has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution and sewage collection systems in accordance with Chapter 11 and Chapter 12 of the WQDRR, 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 June 21, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-350** in any future correspondence.

If you have any questions; please contact me at 307-777-7075.

Yours truly,

Don McKenzie  
Manager  
Water & Wastewater Section  
Water Quality Division

cc: IPS, Cheyenne  
Ms. Heather Christensen, GDA Engineers, POB 338, Cody, WY 82414  
Mr. James Brough, DEQ/WQD, Lander

DRM/rm/7-0523

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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