



# Department of Environmental Quality

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

All Scanned



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

## NOTIFICATION OF COVERAGE

May 18, 2012

Miriam Whatley  
Power Resources, Inc. dba Cameco Resources  
2020 Carey Avenue  
Cheyenne, WY 82001

RE: North Butte Small Wastewater Facility  
Application No. 12-201, Campbell County

Dear Ms. Whatley:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of one 1,000 gallon and one 1,500 gallon concrete septic tank discharging into sixteen rows of eleven Infiltrator chambers for a bed system, for two modular buildings and one proposed commercial building located in the NE ¼, Section 24, Township 44N, Range 76W, Campbell 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 facility in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2013.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
Keith Bowar, Campbell County Public Works, 500 South Gillette Avenue, Suite 1500, Gillette, WY 82716  
Lewis James, P.E., JKC Engineering, 5830 East 2<sup>nd</sup> Street, Casper, WY 82609

Cheyenne  
122 West 25<sup>th</sup> Street 82002  
(307) 777-7937

Lander  
510 Meadowview Drive 82520  
(307) 332-3144

Sheridan  
2100 W. 5<sup>th</sup> Street 82801  
(307) 673-9337





# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

August 2, 2012

Shawn Clark  
93 W. Johnson Road  
Wheatland, Wyoming 82201

RE: Clark Residential Septic System  
Application No. **12-202, Platte County**

Dear Mr. Clark:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate a **Small Wastewater Facility** consisting of a 1000 gallon, single compartment, concrete septic tank discharging into a two trench rock and perforated pipe leachfield of about 120 feet divided into two equal length trenches of 60 feet each, for a 2 bedroom mobile home, located in **Section 5 or 6, T26N, R68W, Platte County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the 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. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by August 2, 2014.

The following project specific condition also applies:

Septic Tank Riser Requirement - either a 6" diameter riser or the manway from the septic tank compartment shall be extended to the ground surface.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:  
[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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|  |   |   |   |  |  |   |
|--|---|---|---|--|--|---|
| ADMIN/OUTREACH<br>(307) 777-7768<br>FAX 777-7682 | ABANDONED MINES<br>(307) 777-6145<br>FAX 777-6462 | AIR QUALITY<br>(307) 777-7391<br>FAX 777-6616 | INDUSTRIAL SITING<br>(307) 777-7369<br>FAX 777-6937 | LAND QUALITY<br>(307) 777-7758<br>FAX 777-5864 | SOLID & HAZ. WASTE<br>(307) 777-7762<br>FAX 777-5873 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-5873 |
|--|---|---|---|--|--|---|



Please reference Application No. **12-202** in any future correspondence.

If you have any questions, please contact me at either [ron.ewald@wyo.gov](mailto:ron.ewald@wyo.gov) or by phone at (307) 777-6183.

Sincerely,

*Ronald L. Ewald*

Ronald L. Ewald  
Assistant Southeast District Engineer  
Southeast District, Water & Wastewater Section  
Water Quality Division

RLE/rm/12-0697

Enclosures: Certificate of Completion

cc: IPS, Cheyenne  
Platte County Planning Office, Reed Elmquist, P.O. Box 728, Wheatland,  
Wyoming 82201

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

Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

PROJECT: Clark Residential Septic System

LOCATION: Section 5 or Section 6, T26N, R68W,

Platte County

ENGINEER: None

APPLICANT: Shawn Clark  
93 W. Johnson Rd.  
Wheatland, Wyoming 82201  
Ph: (307) 331-2354

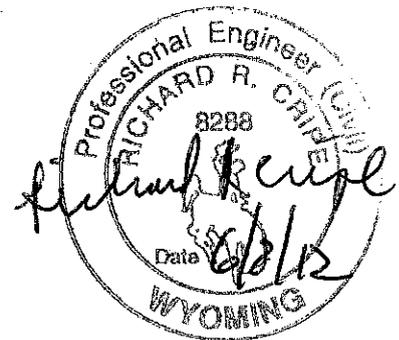
**WATER QUALITY DIVISION REFERENCE #:**

**12-202**

REVIEWING ENGINEER: Rich Cripe

CONTACT ENGINEER:

Ron Ewald  
Phone: (307) 777-6183  
Email: [ron.ewald@wyo.gov](mailto:ron.ewald@wyo.gov)



DATE OF REVIEW: June 7, 2012

**ACTION:** **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 14 (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 9. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

**COMMENTS, INADEQUACIES, AND QUESTIONS:**

1. Proposed Leachfield Size Too Small -The size of the leachfield is not sized correctly. The minimum infiltrative surface area is 583.3sf. Therefore, an area larger than 583.3sf is required. I would recommend a surface area of 600sf.
2. Leachfield Layout Needs to be Modified - using a surface area of 600sf, you will need to have a two trench layout. They will need to have a width of 2ft and a length of 60 feet. In addition, the trenches will need to be separated by 6ft. Please modify your site plan to reflect the changes.

Enclosure: One copy of your application to work from, to add to, or modify as needed.  
Extra blank worksheets and detail sheets.

RRC/rm/12-0515

**END OF REVIEW**



# Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 12, 2012

Jake Hamon, Mayor  
Town of Hudson  
333 South Main  
Hudson, WY 82515

RE: Sewer Manhole Overflow Line for Hudson Water Treatment Plant, Permit No. 12-203, Section 21, T34N, R98W, Fremont County

Dear Mayor Hamon:

This project involves the installation of about 56 linear feet of 6-inch PVC pipe to act as an overflow line from the first sewer manhole that serves the town's water treatment facility. From the referenced manhole, the overflow line will run in a south direction. DEQ understands that the town will use thick-walled PVC pipe embedded in gravel to protect it against any light truck loads. DEQ also understands that the town will construct a ditch and berm to ensure that if an overflow incident were to occur, it would be directed away from the town's wells. The above application for coverage under General Permits to Construct the extensions of public water distribution system and sewage collection systems 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 facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at: [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

xc: PDF to Cheyenne  
PDF to Mindy Mohr, EPA  
Edgar Steele, P.E., Gores & Associates, 111 North 3<sup>rd</sup> East, Riverton, WY 82501

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

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

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

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

WATER QUALITY  
(307) 332-3144  
FAX 332-7726



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 12-204

Camp Guernsey Lift Station Improvements

This permit hereby authorizes the applicant:

CAMP GUERNSEY LIFT STATION IMPROVEMENTS  
5410 BISHOP BOULEVARD  
CHEYENNE, WY 82009

to construct, install, or modify the sewage lift station including the installation of a trash basket and communication upgrades according to the procedures and conditions of the application number 12-204. The facility is located in SW ¼ Section 1 T26N R66W; Platte County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed June 12, 2015.

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.

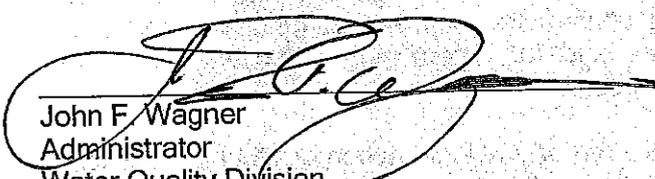
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

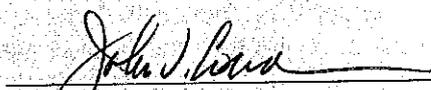
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 307-777-7610, 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 An operation and maintenance manual for the water system must be submitted to the Southeast District Engineer of the Water Quality Division for approval. The operation and maintenance manual for the water system should meet the requirements of Section 16, Chapter 12, Wyoming Water Quality Rules and Regulations.
- 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

Date of Issuance 6-28-12

SWT/rm/12-0580

## STATEMENT OF BASIS

1. Permit Number: 12-204
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.
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 Seth Tourney, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on June 27, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



# Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

May 25<sup>th</sup>, 2012

John Stoddard, Project Manager  
National Outdoor Leadership School  
284 Lincoln St.  
Lander, WY 82520

RE: Wyss Wilderness Medical Campus Septic System  
DEQ Permit #12-205  
Located in Fremont County, NE1/4, S4, T31N, R99W

Dear Mr. Stoddard,

This project consists of the construction of two student housing wastewater systems. The wastewater systems consist of septic tank and chambered, trench drain fields. Each identical wastewater system will serve 16 students.

The above application for coverage under General Permit has been reviewed in accordance with **Chapter 3, Section 7; and Chapter 11** 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 and the **General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility**. Construction shall be completed by **October 31, 2014**

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

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

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

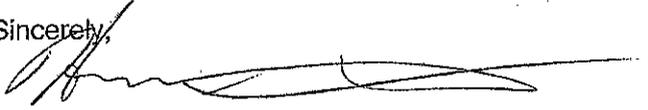
SOLID & HAZARDOUS WASTE  
(307) 332-6924  
FAX 332-7726

WATER QUALITY  
(307) 332-3144  
FAX 332-7726



If you have any questions, please contact Hannes Stueckler at 307-335-6964 or James Brough at 307-335-6961.

Sincerely,



Hannes E. Stueckler, P.E.  
Assistant Northwest District Engineer  
Water Quality Division

xc: PDF to Cheyenne  
Dennis Randall, PE, Sanderson Stewart, 1300 N. Transtech Way, Billings, MT 59102



# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

August 16, 2012

Jerry Nichols  
1106 17<sup>th</sup> Street  
Wheatland, Wyoming 82201

RE: Jerry Nichols RV Park Septic System Improvements  
Application No. 12-206, Platte County

Dear Mr. Nichols:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate a commercial **Small Wastewater Facility** consisting of an existing 1000 gallon per day (gpd) septic system to service 10 RV spaces, and a second new 1000 gpd septic system to service 10 other RV spaces – for a total of 2000 gpd within a common 5 acre area. The existing septic system was permitted in 1991 by DEQ/WQD Permit # 91-243. The new system consists of a 1500 gallon HDPE septic tank discharging into a chamber type bed leachfield approximately 20 feet wide by 65 feet long containing 65 BioDiffuser brand, ARC 36 model chamber units. Both systems together provide on-site wastewater treatment and disposal for a 20 space maximum RV Park, located in the SW $\frac{1}{4}$  SW $\frac{1}{4}$ , Section 32, T27N, R68W, Platte County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations have been reviewed and are hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **August 16, 2014**.

The following project specific conditions also apply:

1. Septic Tank Riser Requirement - either a 6" diameter riser or the manway from the septic tank compartment shall be extended to the ground surface.

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

|  |   |   |   |  |  |   |
|--|---|---|---|--|--|---|
| ADMIN/OUTREACH<br>(307) 777-7768<br>FAX 777-7682 | ABANDONED MINES<br>(307) 777-6146<br>FAX 777-6462 | AIR QUALITY<br>(307) 777-7391<br>FAX 777-5816 | INDUSTRIAL SITING<br>(307) 777-7369<br>FAX 777-6937 | LAND QUALITY<br>(307) 777-7756<br>FAX 777-5864 | SOLID & HAZ. WASTE<br>(307) 777-7752<br>FAX 777-6973 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-6973 |
|--|---|---|---|--|--|---|



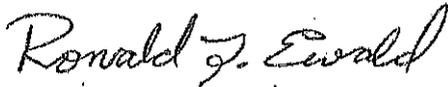
2. Public Water Supply System Requirement - before the 15<sup>th</sup> water service is operational, an application for a Permit to Construct a Public Water Supply(PWS) system shall be applied for and approved by the DEQ Water Quality Division. Operational means that a service connection is constructed and ready for an RV or something else to be connected to it. A service connection does not have to be in service to be operational.
3. Inspection Required - before the new leachfield and septic tank are covered an on-site inspection shall be conducted by WQD personnel. The inspection will include, but not be limited to, observation of the abandoned and removed RV dump station, and a confirmation of how many water supply system service connections are operational. To arrange an inspection contact Ronald Ewald at (307) 777-6183 or [ron.ewald@wyo.gov](mailto:ron.ewald@wyo.gov) at least 3 days before the inspection is needed. If Mr. Ewald is unavailable contact Seth Tourney at (307) 777-7088 or [seth.tourney@wyo.gov](mailto:seth.tourney@wyo.gov).

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:  
[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Please reference Application No. **12-206** in any future correspondence.

If you have any questions, please contact me at either [ron.ewald@wyo.gov](mailto:ron.ewald@wyo.gov) or by phone at (307) 777-6183.

Sincerely,



Ronald L. Ewald  
Assistant Southeast District Engineer  
Southeast District, Water & Wastewater Section  
Water Quality Division

RLE/rm/12-0757

Enclosures: Certificate of Completion

cc: IPS, Cheyenne  
Timothy D. Eisenhauer, Baker & Associates, Inc., 1401 East 'M' Street, Torrington,  
Wyoming 82240  
Platte County Planning Office, Reed Elmquist, P.O. Box 728, Wheatland,  
Wyoming 82201

REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION

Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

PROJECT: Jerry Nichols – Fish Creek Road RV Park:  
Septic System Improvements and Modifications

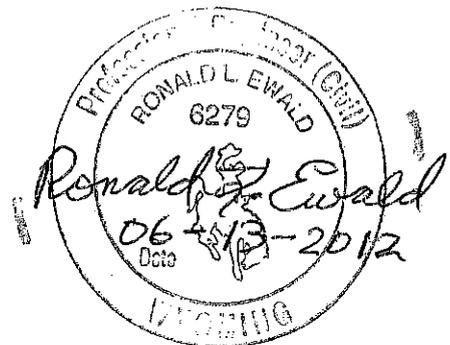
LOCATION: SW¼, SW¼, Section 32, T27N, R68W, **Platte County**

ENGINEER: Timothy D. Eisenhower  
Baker & Associates, Inc.  
1401 East 'M' Street  
Torrington, Wyoming 82240  
Ph: (307) 630-6413

APPLICANT: Jerry Nichols  
1106 17<sup>th</sup> Street  
Wheatland, Wyoming 82201  
Ph: (307) 331-0897

**WATER QUALITY DIVISION REFERENCE #: 12-206**  
(Reference Permit #: 91-243)

REVIEWING ENGINEER: Ronald L. Ewald  
Phone: (307) 777-6183  
email: [ron.ewald@wyo.gov](mailto:ron.ewald@wyo.gov)



DATE OF REVIEW: June 13, 2012

**ACTION:** **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 14 (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 9. 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 Not Adequate - the percolation(perc) test was not run for a long enough time for the "water level drop rates" in the individual test holes to stabilize (within 1/8 inch), as per the perc test instructions. Therefore, the perc rate of 6 minutes per inch(mpi) derived from the inadequate test data is meaningless. The perc test shall either be rerun properly to determine a reliable perc rate value; OR, the perc rate of 12mpi allowed in Permit # 91-253 must be used in subsequent calculations.
2. Minimum Number of Chamber Units Calculation Incorrect - throughout the application it is clearly indicated that the design for the new leachfield for the southerly camp sites is to be a chamber **bed system**. However, when calculating the minimum number of chamber units required the "equivalent area" per unit for chambers in a trench layout was used instead of the equivalent area per unit in a bed layout. After determining what perc rate will be used (from #1 above) and the minimum square feet of surface area is recalculated, the bed layout equivalent area value will have to be applied.
3. Page 10 (of the application package) Incorrectly Answered Questions - first, the question "Was the bottom of the excavation at least 4 feet below the bottom of the proposed leachfield?" was answered – YES. However, when asked the depth of the excavation the answer was 51 inches deep. This is the same depth as the proposed leachfield, not 4 feet deeper. The observation excavation trench must be at least 8¼ feet deep.

Next, since the observation excavation was not deep enough, there are 5 following questions like "Was a ??????? observed or encountered?" These questions were all answered NO, which is meaningless when the observation excavation is only 51 inches deep.

An observation excavation trench of the minimum required depth or more shall be dug and then the 5 questions can be answered from actual observations.

4. Groundwater Depth Determination - how was it determined that the depth to seasonal high groundwater indicated on "Detail Sheet D" is 50 feet?
5. Chamber Bed Dimensions are Confusing - even though the initial calculation of 40 chamber units for the leachfield bed is wrong, the dimensions given for a 5 unit wide by 8 unit long bed make no sense. Using Biodiffuser ARC36 chamber units with dimensions of 34.5" wide by 13" tall by 5.25' long; how does a 5 unit wide by 8 unit long bed come out to be 29' wide by 27.5' long? (on pages 28 & 29)

6. Specified Septic Tank Unacceptable - the FRALO septic tank indicated on page 14 is unacceptable because all FRALO tanks are only approved as "Low Profile Tanks" to be used only when conditions justify their use. There is no reason not to use a standard depth tank at this site, which can be selected off of the "A – List" of septic tanks approved for use in Wyoming.
7. Abandonment of Existing Dump Station Septic System - besides filling the septic tank with sand, what will be done with the above ground components such as the dump pad and drain, clean water wash down hose, etc.? Please describe in more detail how all of the dump station will be abandoned and clearly taken out of service. Lastly, on the site plan, the dump station and leachfield are shown on the plan as still existing as described by note #11. Rewrite note #11 and make clear indication on the site plan that this facility is to be abandoned and how.

**END OF REVIEW**

RLE/rm/12-0540



# Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

July 2, 2012

### WJJE, LLC

Attn: William J. Edwards, Owner  
506 Shoshoni  
Cheyenne, Wyoming 82009

RE: Saddle Ridge Subdivision, Phase 3 – Water & Sewer Extensions,  
Application No. **12-207**, Laramie County

Dear Mr. Edwards:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate Extensions to or Modifications of Existing **Public Water Supply Distribution Systems** consisting of approximately 2,894 feet of 8" C-900 PVC DR-14 Class 200 waterline, eight gate valves, and five fire hydrants, and Existing **Sewage Collection Systems** consisting of approximately 5,125 feet of 8" PVC sewer pipe, and 28 new manholes, located in the **NW¼, Section 25, T14N, R66W, Laramie County** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with, **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permits, the materials submitted in your application package, and the associated reference permits numbered 07-287, 10-131, 11-330, and 12-102. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **June 30, 2014**.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:  
[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Please reference Application No. **12-207** in any future correspondence.

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

|  |   |   |   |  |  |   |
|--|---|---|---|--|--|---|
| ADMIN/OUTREACH<br>(307) 777-7758<br>FAX 777-7682 | ABANDONED MINES<br>(307) 777-6145<br>FAX 777-6462 | AIR QUALITY<br>(307) 777-7391<br>FAX 777-5616 | INDUSTRIAL SITING<br>(307) 777-7369<br>FAX 777-6937 | LAND QUALITY<br>(307) 777-7756<br>FAX 777-5884 | SOLID & HAZ. WASTE<br>(307) 777-7752<br>FAX 777-6973 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-5973 |
|--|---|---|---|--|--|---|



If you have any questions, please contact me at either [ron.ewald@wyo.gov](mailto:ron.ewald@wyo.gov) or by phone at (307) 777-6183.

Sincerely,



Ronald L. Ewald  
Assistant Southeast District Engineer  
Water Quality Division

RLE/rm/12-0598

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne  
Justin C. Beckner, Beckner Consulting Services, LLC, 2413 Ute Court, Fort Collins,  
Colorado 80525  
Herman Noe, Engineering Manager, Cheyenne Board of Public Utilities, 2406  
Snyder Avenue, Cheyenne, Wyoming 82001



# Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

August 3, 2012

Star Valley Trailer Court  
Attn: Mr. Bruce Hendrick  
P. O. Box 1388  
Afton, WY 83110

RE: Star Valley Trailer Court  
Final Permit 12-209, Class V Septic System Renewal  
Lincoln, Wyoming

Dear Mr. Hendrick:

Attached please find one copy of the Class V permit and corresponding reporting forms for the above referenced facility. This permit requires sampling on a semi-annual basis and reporting on an annual basis within forty-five (45) days of the end of each calendar year.

The permit application, draft permit, final permit, public notice, and report forms are available for review on the GEM website, <https://gem.wqd.apps.deq.wyoming.gov/default.aspx>.

The underground injection control program was promulgated to prevent serious problems caused by direct discharges to the groundwater. Those problems included groundwater pollution leading to contamination in domestic water wells and serious health affects caused by exposures to toxic substances and water borne pathogens. Your cooperation with our program is sincerely appreciated.

If you have any questions please do not hesitate to contact me at (307) 777-5623 or by email at [john.passehl@wyo.gov](mailto:john.passehl@wyo.gov).

Sincerely,

John Passehl, P.G.  
UIC Geology Supervisor  
Water Quality Division

JP/rm/12-0708

Enclosures: Report Forms  
Final Permit

cc: Kevin Frederick, WDEQ

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

|  |   |   |   |  |  |   |
|--|---|---|---|--|--|---|
| ADMIN/OUTREACH<br>(307) 777-7758<br>FAX 777-7682 | ABANDONED MINES<br>(307) 777-8145<br>FAX 777-6462 | AIR QUALITY<br>(307) 777-7391<br>FAX 777-5616 | INDUSTRIAL SITING<br>(307) 777-7369<br>FAX 777-6937 | LAND QUALITY<br>(307) 777-7756<br>FAX 777-5864 | SOLID & HAZ. WASTE<br>(307) 777-7752<br>FAX 777-6973 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-5973 |
|--|---|---|---|--|--|---|



STATE OF WYOMING  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
UNDERGROUND INJECTION CONTROL PERMIT ISSUED UNDER  
WYOMING WATER QUALITY RULES AND REGULATIONS  
CHAPTER 16

CLASS V INJECTION WELL

( ) New  
(X) Modified (Renewal)

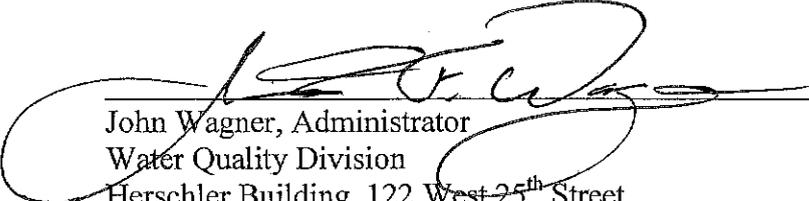
Permit Number: 12-209  
Facility Number: WYS-023-027  
State Subclass: 5E3  
Previous Permit Number: 5E3-98-1

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: Star Valley Trailer Court  
Attn: Mr. Bruce Hendrick  
P. O. Box 1388  
Afton, WY 83110  
(307) 886-9774

Star Valley Trailer Court, hereafter referred to as the permittee, is authorized to operate the septic system located in the SW¼ of Section 29, Township 33 North, Range 118 West, of the 6<sup>th</sup> Principal Meridian, Lincoln County. The permittee is allowed to operate the facility according to the procedures, conditions, and requirements 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

8/6/12  
Date

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

8-6-12  
Date

JP/rm/12-0708

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### A. Discharge Zone

This injection facility (consisting of 8 sanitary leachfields) is authorized to inject 6,000 gallons per day average and 10,150 gallons per day maximum. The primary treated wastewater is injected into the local alluvial deposits that consists of clay, sand and gravel below 1 to 2 feet of topsoil to a depth of 38 to 48 feet. Depth to groundwater in the vicinity of the leachfield is approximately 36 to 38 feet below the surface based on static water levels reported by SEO for nearby supply wells.

### B. Well and Area of Review

The injection wells authorized by this permit are located as follows:

SW¼ of Section 29, Township 33 North, Range 118 West, of the 6<sup>th</sup> Principal Meridian, Lincoln County

The Area of Review is defined as a circular area of 360 acres with the injection facilities located near its center.

The Area of Review is based upon the following assumptions:

**Table 1 (Area of Review Inputs)**

| Description            | Inputs | Units    |
|------------------------|--------|----------|
| Permit Duration        | 10     | Years    |
| Porosity               | 16     | Percent  |
| Maximum Injection Rate | 10,150 | GPD      |
| Thickness of Receiver  | 40     | Feet     |
| Area of Review         | 360    | Acres    |
| Hydraulic Conductivity | 2.5    | Feet/Day |

### C. Groundwater Classification

The groundwater in the Alluvial Aquifer beneath the permittee's property is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater in this formation is currently being used for domestic purposes at nearby points of withdrawal. Ground water of Class I shall not be degraded to make it unusable as a source of water for this purpose. 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 operator is authorized to inject at a pressure of no more than atmospheric pressure as measured at the leachfield. This pressure is controlled by gravity drainage and is not required to be monitored. The permittee is authorized to inject a maximum of 10,150 gallons per day. The wastewater is produced from a single residency home and a thirty (30) trailer mobile home park. The wastewater is injected into the unconfined alluvial aquifer. The wastewater is described as primary treated domestic sewage from septic tanks.

If additional sewage flows are added beyond those identified in the permit application, the leach field and/or treatment system may need to be enlarged in which case the permittee must submit a revised application and receive a new permit prior to modification of the leach field or treatment system.

#### **E. Hazardous Waste**

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

#### **F. Proper Operation and Maintenance**

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes: effective performance, adequate funding, operator staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit. The injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapters 11, 16, and 25.

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

#### **G. Entry and Inspection**

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

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

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data

used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.

3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.
4. 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.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
6. 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/operator to deliver the records to the administrator at the conclusion of the retention period.
7. The permittee shall report any noncompliance which may endanger health or the environment within twenty-four (24) hours from the time the operator becomes aware of the circumstances. The report should include:
  - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
  - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;
  - c. A written submission shall be provided within five (5) days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.

9. The monitoring reports shall be submitted on forms provided by the Department. 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 forty-five (45) days following each schedule date.

**I. Requirements for Monitoring Groundwaters of the State**

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

**Table 2 (Annual Groundwater Monitoring Schedule)**

| WELL NAME<br>(OR NUMBER)                              | SAMPLING<br>SCHEDULE                                 | PARAMETER<br>ANALYZED          | ANALYTICAL<br>METHOD         | PERMIT UCL<br>(UCL)       |
|---|--|--------------------------------|------------------------------|---------------------------|
| Brown-Grover #1<br>(Permit # UW<br>20628)<br><br>MW-1 | Semi-Annually<br>(January-June and<br>July-December) | Total Coliform bacteria        | A 9223 B or<br>SM 9222D      | Absent **                 |
|   |  | Ammonia as N                   | EPA A 4500 NH <sub>3</sub> G | 0.50 mg/L                 |
|   |  | Chloride                       | EPA 300.0                    | 250 mg/L                  |
|   |  | Nitrate as N                   | EPA 353.2                    | 10 mg/L                   |
|   |  | Total monthly volume<br>pumped | Flow meter                   | Not applicable            |
| Septic Tanks  | Semi-Annually<br>(January-June and<br>July-December) | Total Volume Injected          | Supply well flow<br>meter    | 10,150 gallons per<br>day |
|   | Annually   | Sludge depth in tank (ft)      | Visual                       | 2 feet                    |

\*All applicable chemical concentrations in this permit are expressed as total (not dissolved) in mg/l unless otherwise noted.

\*\* A positive test (present) for Total Coliform, will require a follow-on test for E. Coli (EPA 1603, 1604, 1103.1) to determine the concentration of bacteria in the water.

The septic tanks serving the Star Valley Trailer Court are to be inspected, at a minimum, annually and must be pumped as necessary based on sludge depth at bottom of septic tanks. A copy of the invoice for pumping the tanks is to be included with the annual report.

The grease trap and septic tanks must be inspected annually and pumped at least every five (5) years. Sludge depth is not to exceed 24 inches in the septic tanks and 6 inches in the grease trap.

All annual reports are to be reported within forty-five (45) days of the last day of each year (February 15<sup>th</sup>).

The above upper control limits (UCL) cannot be exceeded in any sample. Exceedance of these values is a violation of this permit and shall require notification under Section K of this permit. If the UCL is exceeded in a sample, additional monitoring wells may be required to determine

whether groundwater has been impacted and to delineate the nature and extent of any contamination resulting from operation of the permitted facility.

#### **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. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

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

This permit is authorized for a period of 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. The application should be submitted at least 180 days before the expiration date of this permit. Under this permit, the Department may consider injection after the expiration date a violation of the permit.

It shall not be a defense for the permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. The filing of a request by the permittee, or at the instigation of the Administrator, for permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

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

1. Violation of this permit; or

2. Obtaining a permit by misrepresentation of facts in the application.

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

**M. Abandonment**

General Requirements:

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

**N. Duties of the Permittee**

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

If any cultural materials are discovered during construction, work in the area should halt immediately. The Administrator and the Wyoming State Historic Preservation Office shall be contacted (777-7697) and the materials shall be evaluated by an archaeologist or historian meeting the Secretary of the Interior's Professional Qualification Standards (48 FR 22716, Sept. 1983).

## **O. Signatories Requirement**

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

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

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

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

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

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

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

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

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

## **P. Noncompliance**

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

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

**Q. Permit Transfer**

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

**R. Property Rights**

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

**S. Severability**

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

**-End of Permit-**



## Department of Environmental Quality

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



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

Todd Parfitt, Director

### NOTIFICATION OF COVERAGE

November 21, 2012

Julien Kindred  
BNSF Railway  
2500 Lou Menk Drive  
Ft. Worth, TX 76131

RE: BNSF Railway – Donkey Creek, WY, Application No. 12-210, Campbell County

Dear Julien:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of an existing 1,000 gallon Vaughn concrete septic tank discharging into a mounded chambered bed system consisting of four rows of ten ARC 36 chambers each, for commercial buildings located in the NW¼, Section 28, Township 50N, Range 70W, Campbell 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 facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2014**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Percolation rates for the import material must be verified subsequent to backfill and prior to installation of the chambers. Documentation of the percolation test must be submitted with the certification of completion.
2. Contact Campbell County Public Works for construction inspection prior to backfill.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
Keith Bowar, Campbell County Public Works, 500 South Gillette Avenue, Suite 1500, Gillette, WY 82716  
Douglas Wissner, P.E., MKK Engineers, 500 W. 18<sup>th</sup> Street, Suite 200, Cheyenne, WY 82001

Cheyenne  
122 West 25<sup>th</sup> Street 82002  
(307) 777-7937

Lander  
510 Meadowview Drive 82520  
(307) 332-3144

Sheridan  
2100 W. 5<sup>th</sup> Street 82801  
(307) 673-9337





# Department of Environmental Quality

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



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

June 11, 2012

Doug Wissner, P.E.  
MKK Consulting Engineers  
500 West 18<sup>th</sup> Street #200  
Cheyenne, WY 82001

RE: BNSF Railway – Donkey Creek Replacement Septic System  
Location: NE ¼, Section 28, T. 58N, R. 70W, Campbell County  
WDEQ Application #12-210

Dear Mr. Wissner:

We have completed our review of the permit application submitted on May 17, 2012. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

Jason Vreeland, P.E.  
Assistant Northeast District Engineer  
WDEQ/WQD

Attachments: WDEQ Comments

cc: Bruce Stuff, BNSF Railway, 4515 Kansas Avenue, Kansas City, KS 66106-1101  
IPS  
WDEQ File



**REVIEW OF PLANS & SPECIFICATIONS**  
**WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**WATER QUALITY DIVISION**  
**152 North Durbin Street, Suite 100**  
**Casper, Wyoming 82601**  
**Phone (307) 473-3465**

**PROJECT:** BNSF Railway – Donkey Creek Replacement Septic System

**LOCATION:** Campbell County, Wyoming

**ENGINEER:** MKK Consulting Engineers

**APPLICANT:** Bruce Stuff, BNSF Railway

**WATER QUALITY DIVISION APPLICATION NUMBER: 12-210**

**DATE ON PROPOSAL/PLANS/REPORT:** May 16, 2012

**DATE RECEIVED BY DEQ:** May 17, 2012

**DATE OF THIS REVIEW:** June 11, 2012

**WDEQ REVIEWER:** Jason Vreeland, P.E.

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

**COMMENTS**

- 1) Please verify the number of employees at this facility. Water systems that serve more than 25 people are considered a public water system and are regulated by the EPA. The application indicates that 28 employees are served by this system.
- 2) Please justify the design flow rate of 10 gpd/employee. The previous design for this site used a design flow of 30 gpd/employee which is consistent with WWQRR Chapter 11, Part D, Table 1 for office buildings and warehouses.
- 3) Please redo the percolation tests in accordance with the guidance provided by WDEQ. WDEQ procedures require the test holes to maintain a minimum of six inches of water at all times and to conduct the test until the readings are within 1/8 inch of each other. Further, intervals of 10 to 15 minutes are typical. The test was conducted with readings hourly. The depth of the hole

must also be at the same elevation as the proposed absorption field (54").

- 4) Page 10 of the application packet indicates that color photographs were taken of the excavation. Please provide these photographs.
- 5) Page 14 of the application packet indicates that a distribution box or flow-dividing tee will not be used. One of these will be required to evenly divide flow between trenches.
- 6) The site plan shows the sewer pipe at a slope of 1/8"/LF minimum slope. Page 14 of the application packet indicates that the pipe will have a minimum slope of 1/4" per foot. Please clarify the slope of the sewer line. WDEQ recommends a minimum of 1/4" per foot.



# Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

May 31<sup>st</sup>, 2012

Susan J. Bybee, Executive Director  
Teton Village Association Improvement and Service District  
P.O. Box 866  
Teton village, WY 83025

RE: Teton Village Maintenance Yard Water and Sewer  
DEQ Permit #12-211  
Located in Teton County, Part of GLO Lot 3, Section 19, T 42N, R116W (Latitude 43.587°, longitude -110.8193°)

Dear Ms. Bybee,

This project consists of the extension of an 8 inch diameter PVC sewer main, and a 6 inch diameter water main.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11 and Chapter 12 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, and the **General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems** and the **General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems**. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Construction shall be completed by **October 31, 2014**

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

If you have any questions, please contact Hannes Stueckler at 307-335-6964 or James Brough at 307-335-6961.

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

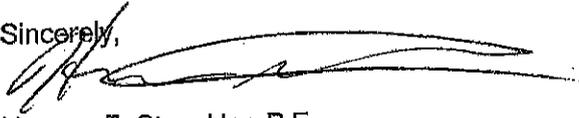
LAND QUALITY  
(307) 332-3047  
FAX 332-7726

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

WATER QUALITY  
(307) 332-3144  
FAX 332-7726



Sincerely,



Hannes E. Stueckler, P.E.  
Assistant Northwest District Engineer  
Water Quality Division

xc: PDF to Cheyenne  
Robert R. Norton, PE, Nelson Engineering, P.O. Box 1599, Jackson, WY 83001

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 12-212

City of Casper Sam H. Hobbs WWTF Headworks Screen Replacement

This permit hereby authorizes the applicant:

City of Casper  
200 N. David Street  
Casper, Wyoming 82601

to construct, install or modify replacement of existing coarse screen mechanical screening units with fine screen mechanical screening units, including dedicated washer/compactor units; replacement of manual bar rack screen; replacement of slide gates; and associated electrical, plumbing and other miscellaneous upgrades; all located in the headworks structure at the Sam H. Hobbs Waste Water Treatment Facility (WWTF), according to the procedures and conditions of the application number 12-212. The Sam H. Hobbs WWTF (a.k.a. Casper WWTF) is located in the City of Casper, in NW1/4 NW1/4 of Section 2, Township 33 North, Range 79 West, in the County of Natrona, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by July 1, 2016.

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

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

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

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

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

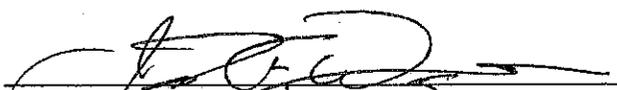
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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

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

- 1 of 4 The applicant will provide immediate oral or written notice to the 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 4 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 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 4 of 4 By July 1, 2016, the applicant will upgrade the ventilation system in the screening room of the headworks building at this treatment facility, as committed to in applicant's letter dated February 5, 2013. Such upgrades shall be designed in accordance with the current requirements of Section 11(j), Chapter 11, WWQRR.

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
Todd Parfitt  
Director  
Department of Environmental Quality

3-5-13  
Date of Issuance

KJF/rm/13-0185

## STATEMENT OF BASIS

1. Permit Number: 12-212
2. Application reviewed for compliance with the following applicable regulations:
  - a. Chapters 3 and 11.
3. Does the permit comply with all applicable regulations identified above?  
No
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.  
Chapter 11 Section 11(j) requires that enclosed rooms that have open process units must have a ventilation system that provides 12 air changes per hour.
  - b. Briefly state the basis for the deviation.  
The applicant has committed to a separate project, to be constructed by July 1, 2016, that will upgrade the ventilation system in the screen room to meet the ventilation requirement. An associated condition has been included in this permit.
5. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.  
The new screening and other units will be located in the same reinforced concrete structures as the existing units they are replacing, so no groundwater impacts are expected.
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 Project Engineer, and completed on February 11, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 8, 2012

Brett Vizina, Managing Partner  
1124 Dunn Ave.  
Cheyenne WY 82001

RE: Bison Crossing 8<sup>th</sup> Filing- Waterlines  
Application No. 12-213, Laramie County

Dear Mr. Vizina:

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** consisting of installing approximately 3,600 lineal feet of 6" PVC water main and associated valves and fittings located in the **NW ¼, Sections 31, 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, in accordance with the general permit, the conditions listed below, and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by June 8, 2014. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: [http://dec.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://dec.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp). Please reference Application No. 12-213 in any future correspondence. If you have any questions, please contact me at 307-777-7076.

Sincerely,

Richard R. Cripe PE  
Water and Wastewater Program Manager  
Water Quality Division

RRC/rm/12-0520

cc: IPS, Cheyenne  
Russell Dahlgren, 914 E. 23<sup>rd</sup> Street, Cheyenne, WY 82001

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|  |   |   |   |  |  |   |
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| ADMIN/OUTREACH<br>(307) 777-7758<br>FAX 777-7682 | ABANDONED MINES<br>(307) 777-6146<br>FAX 777-8462 | AIR QUALITY<br>(307) 777-7391<br>FAX 777-6616 | INDUSTRIAL SITING<br>(307) 777-7369<br>FAX 777-8937 | LAND QUALITY<br>(307) 777-7756<br>FAX 777-6864 | SOLID & HAZ. WASTE<br>(307) 777-7762<br>FAX 777-5973 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-5973 |
|--|---|---|---|--|--|---|





# Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

John Corra, Director

## NOTIFICATION OF COVERAGE

May 31, 2012

Shelly Ritthaler  
P.O. Box 160  
Upton, WY 82730

RE: Ritthaler Small Wastewater System  
Application No. 12-215, Weston County

Dear Ms. Ritthaler:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon Boom concrete septic tank discharging into four rock and pipe trenches of approximately 80 feet each, for a four bedroom home located in the SW ¼, **Section 26, Township 48N, Range 67W**, Weston 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 facility in accordance with **Chapter 11, Part D** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2013**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.
2. Absorption fields must be a minimum of 50 feet from streams including seasonal and intermittent.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
Weston County Growth and Development, 1 West Main Street, Newcastle, WY 82701  
Tri-City Excavation, Inc., 169 Thorn Divide Road, Carlile, WY 82721

Cheyenne  
122 West 25<sup>th</sup> Street 82002  
(307) 777-7937

Lander  
510 Meadowview Drive 82520  
(307) 332-3144

Sheridan  
2100 W. 5<sup>th</sup> Street 82801  
(307) 673-9337





# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

July 13, 2012

### U.S. Air Force

Attn: Mark A. Frank, Interim Dept. Base Civil Engineer  
300 Vesle Dr., Suite. 600  
F.E. Warren AFB, Wyoming 82005

RE: FE Warren AFB – Carlin Heights Housing Water System Extensions  
Application No. 12-216, Laramie County

Dear Mr. Frank:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate Extensions to or Modifications of an Existing **Public Water Supply Systems** consisting of approximately 7,600 linear feet of 8" PVC AWWA C-900 Class 150 water pipe, gate valves as indicated, and 15 fire hydrants, located in portions of **Section 35, T14N, R67W, Laramie County** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with **Chapter 12, Section 9** of the Water Quality Division Rules and Regulations, and 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 permits. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **July 13, 2014**.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:  
[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)  
Please reference Application No. **12-216** in any future correspondence.

If you have any questions, please contact me at either [ron.ewald@wyo.gov](mailto:ron.ewald@wyo.gov) or by phone at (307) 777-6183.

Sincerely,

Ronald L. Ewald  
Assistant Southeast District Engineer  
Water Quality Division

RLE/rm/12-0625

Enclosures: . Certificate of Completion form

cc: IPS, Cheyenne  
David M. Dillow, Woolpert, Inc., 343 Fountains Parkway, Suite 100, Fairview Heights, Illinois 62208

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|--|---|---|---|--|--|---|





# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

July 17, 2012

Laramie County Board of Commissioners  
309 W. 20<sup>th</sup> Street  
Cheyenne, WY 82001

RE: **Non-Adverse Recommendation,**  
North Star North Subdivision, Laramie County  
WDEQ/WQD Application #12-217

Dear Commissioners:

The Wyoming Department of Environmental Quality has completed the review of the proposed North Star North Subdivision located in Section 18, T15N, R66W, 6<sup>th</sup> P.M., in Laramie County, Wyoming. The North Star North Subdivision will create 21 lots out of approximately 145 acres. The information was submitted by Horizon Homes, signed by, Russell Dahlgren, P.E./P.G., a Wyoming Licensed Engineer and Wyoming Professional Geologist. This letter represents the recommendations of the Wyoming Department of Environmental Quality as required by W.S. 18-5-306(c).

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

The proposed sewage system is the use of individual on-site septic tanks and leach fields permitted by and constructed to Wyoming Department of Environmental Quality Water Quality Rules and Regulations and the standards established by the Cheyenne/Laramie County Environmental Health Division. The information submitted addresses the safety and adequacy of the proposed sewage system, provided the statements indicated in the "Notes required to be added to the final plat" are adhered to.

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

The proposed water system is the use of individual water supply wells completed on each lot. Each well must be permitted by and constructed to the Wyoming State Engineer's Office standards. The information submitted addresses the safety and adequacy of the proposed water system, provided compliance with the statements indicated in the "Notes required to be added to the final plat and other pertinent documents" is maintained.

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|----------------|-----------------|----------------|-------------------|----------------|--------------------|----------------|
| ADMIN/OUTREACH | ABANDONED MINES | AIR QUALITY    | INDUSTRIAL SITING | LAND QUALITY   | SOLID & HAZ. WASTE | WATER QUALITY  |
| (307) 777-7758 | (307) 777-6145  | (307) 777-7391 | (307) 777-7369    | (307) 777-7756 | (307) 777-7752     | (307) 777-7781 |
| FAX 777-7682   | FAX 777-6462    | FAX 777-5816   | FAX 777-6937      | FAX 777-5864   | FAX 777-5973       | FAX 777-5973   |



**Notes required to be added to the final plat, and other pertinent documents:**

1. The minimum separation distances between private wells and leach fields shall be 150 feet, including separation between wells and leach fields from adjacent lots.
2. The upper portion of the private wells shall be sealed with a grout, cement, or bentonite seal, which is at least seventy-five (75') feet thick.

**Conclusions:**

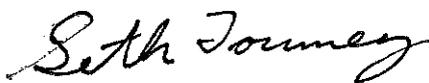
The Department of Environmental Quality has "No Adverse" recommendations applicable to the North Star North Subdivision.

**Disclaimer:**

The Non-Adverse recommendation provided above has nothing to do with, nor has any bearing on the water rights associated with the North Star North Subdivision. Any questions or concerns about the water rights for the North Star North Subdivision should be directed to the State Engineer's Office.

Nothing in Department of Environmental Quality recommendations or comments regarding the Horizon Homes proposal for the North Star North Subdivision shall be construed to relieve Mark Woods of the obligation to obtain any permits or additional approval from any local, state or federal agencies as required by law, rules, regulations, or ordinances. Nothing in these recommendations commits the Department of Environmental Quality or Laramie County to the issuance of required permits for construction, operation, or modification of water supply or sewage systems.

Sincerely,



Seth Tourney, PE.  
Southeast District Engineer  
Water & Wastewater Program, Water Quality Division

SWT/ rm/12-0629

cc: Mark Woods, Horizon Homes, 7805 Yamia Way, Cheyenne, WY, 82009  
Russell Dahlgren, Dahlgren Consulting, Inc., 914 East 23<sup>rd</sup> Street, Cheyenne, WY, 82001  
Laramie County Planning & Development Office, 3966 Archer Pkwy, Cheyenne, WY 82009  
Cheyenne/Laramie County Environmental Health Division, 100 Central Ave, Cheyenne, WY 82007  
Mike Ebsen, SEO



# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

June 8, 2012

Laramie County Board of Commissioners  
309 W. 20<sup>th</sup> Street  
Cheyenne, WY 82001

RE: North Star North Subdivision, Laramie County  
WDEQ Application #12-217

Dear Commissioners:

The Wyoming Department of Environmental Quality (WDEQ) has received application material related to the Windy Subdivision for review of the safety and adequacy of water supply and sewer systems pursuant to W.S. §18-5-306. The application material and signed application form was received May 31, 2012. 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, 2012.

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)-777-7088 if you have any questions regarding this subdivision application or WDEQ's subdivision application review process.

Sincerely,

Seth Tourney, PE  
Southeast District Engineer  
Water and Wastewater Program, Wyoming Water Quality Division

SWT/rm/12-0516

cc: Mark Woods, Horizon Homes, 7805 Yamia Way, Cheyenne, WY, 82009  
Russell Dahlgren, Dahlgren Consulting, Inc., 914 East 23<sup>rd</sup> Street, Cheyenne, WY, 82001  
Laramie County Planning Department, 309 East 20<sup>th</sup> Street, Cheyenne, WY, 82001  
Mike Ebsen, State Engineer's Office, 122 West 25<sup>th</sup> Street, 4-W, Cheyenne, WY, 82002

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# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 14, 2012

### Sinclair Wyoming Refining Company

Mr. Jim Larscheid  
P.O. Box 277  
Sinclair, WY 82334

RE: Sinclair Wyoming Refining Company: Sewer Line and Leach Field Replacement Project,  
Application No. **12-218, Carbon County**

Dear Mr. Larscheid:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate a Small Wastewater Facility consisting of two septic tanks, which are a 1500 single compartment and a 1500 two compartment, concrete septic tanks in series discharging into about 21 x 93 square feet of bed type trench leach field for a three bedroom, and three two-bedroom houses, located in the SE $\frac{1}{4}$ NE $\frac{1}{4}$ , Section 6, T21N, R85W and SW $\frac{1}{4}$ NW $\frac{1}{4}$ , Section 5, T21N, R85W, Carbon 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 small wastewater system in accordance with **Chapter 11 Part D** of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by June 13, 2015.

1. The single compartment septic tank must be installed upstream of the two-compartment septic tank.
2. 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.

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|--|---|---|---|--|--|---|



This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Please reference Application No. **12-218** in any future correspondence.

If you have any questions, please contact me at either [seth.tourney@wyo.gov](mailto:seth.tourney@wyo.gov) or by phone at (307) 777-7088.

Sincerely,

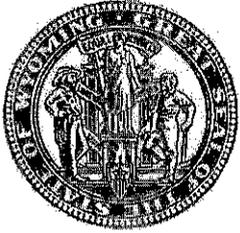


Seth Tourney, P.E.  
Southeast District Engineer  
Southeast District, Water & Wastewater Section  
Water Quality Division

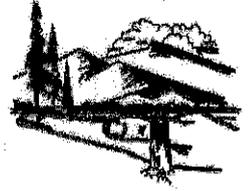
SWT/rm/12-0542

Enclosures: Certificate of Completion

cc: IPS, Sinclair  
Dan Ferrin, PMPC, P.O. Box 370, Saratoga, WY, 82331  
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West  
Buffalo Street, Suite 336, Rawlins, Wyoming 82301



# Department of Environmental Quality



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

Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 8, 2012

Dossey Overfield, Manager  
Northwest Rural Water District  
P.O. Box 2347  
Cody, WY 82414

RE: NRWD-GK TW Extension-Lovell service area  
DEQ Permit #12-219  
Located in Big Horn County; NE1/4, NW1/4, S 14, T 56N, R 96W; Lat. 44.8305°, Long. - 108.3756°

Dear Ms. Overfield,

This project consists of the installation of approximately 1350 linear feet of 3 inch water line in Lane 11.5, South East of Lovell, to serve seven new service taps.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 12 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct, the facility in accordance with the the materials submitted in your application package and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems. Construction shall be completed by October 31, 2014

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

If you have any questions, please contact Hannes Stueckler at 307-335-6964 or James Brough at 307-335-6961.

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

ABANDONED MINES  
(307) 332-6085  
FAX 332-7726

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

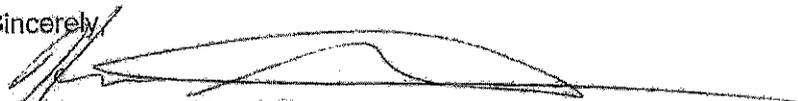
LAND QUALITY  
(307) 332-3047  
FAX 332-7726

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

WATER QUALITY  
(307) 332-3144  
FAX 332-7726



Sincerely,



Hannes E. Stueckler, P.E.  
Assistant Northwest District Engineer  
Water Quality Division

xc: PDF to Cheyenne  
Cody A. Schatz, PE, Engineering Associates, P.O. Box 1900, Cody, WY 82414

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT  
PWS WY5600918

PERMIT NO. 12-220

Fairway Estates Pump House Modificaitons

This permit hereby authorizes the applicant:

FAIRWAY ESTATES HOMEONWER'S ASSOCIATION'  
P.O. BOX 808  
DOUGLAS, WY 82633

to construct, install the modifications to the existing pumping station for the drinking water supply, which consists of a 4" flow meter, three (3) pumps, and a 45-gallon pressure tank according to the procedures and conditions of the application number 12-220. The facility is located in NW ¼ Section 22 T32N R71W; Converse County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed August 8, 2014.

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.

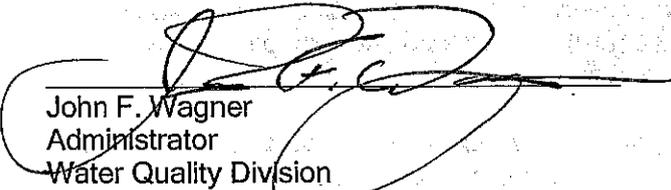
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

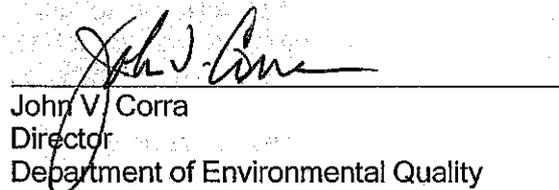
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 307-777-7610, 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 An operation and maintenance manual for the water system must be submitted to the Southeast District Engineer of the Water Quality Division for approval. The operation and maintenance manual for the water system should meet the requirements of Section 16, Chapter 12, Wyoming Water Quality Rules and Regulations.
- 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

Date of Issuance August 14, 2012

SWT/rm/12-0744

## STATEMENT OF BASIS

1. Permit Number: 12-220
2. This application was reviewed for compliance with the applicable regulations ;

### Chapters 3, 12

3. Does the permit comply with all applicable regulations identified above?

Yes, except for the following variances:

A variance is recommended from the Water Quality Rules and Regulations Chapter 12 Section 14(b)(v), which states, "Only water main designed to carry fire flows shall have fire hydrants connected to them." This recommendation is contingent upon Fairway Estates Homeowner's Association proposing to cover and lock access to the existing fire hydrants, which are unable to provide adequate fire flows.

4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.

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 Seth Tourney, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on August 10, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



# Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

July 3, 2012

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

RE: **Non-Adverse Recommendation**, Bell Valley Subdivision, Natrona County  
WDEQ Application #12-221

Dear Commissioners:

The Wyoming Department of Environmental Quality has completed the review of the proposed Bell Valley Subdivision, located in the SE ¼, Section 27, Township 33 North, Range 80 West, Natrona County, WY, and further located west of Casper, Wyoming, south of State Highway 220 and west of Skyline Road. The subdivision will be comprised of 23 lots, encompassing approximately 40 acres, with residential lots ranging in size from 1.5 to 2 acres. The information was submitted by Civil Engineering Professionals, Inc. (CEPI), and signed by Robert Bennett, P.E, a Wyoming Licensed Professional Engineer. This letter represents the recommendations of the Wyoming Department of Environmental Quality as required by W.S. §18-5-306 (c).

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

The proposed sewage system is to connect to the existing sanitary sewer collection system, via an 8" sewer main located in Smoke Rise Road, north of the project area. The ownership, operation and maintenance of the system within the Bell Valley Subdivision will be performed by the Westland Park/Red Butte Village Improvement and Service District. The City of Casper Wastewater Treatment Plant has provided a letter stating their willingness and ability to accept the wastewater from the proposed development. WDEQ has reviewed the information submitted and is satisfied that the proposed connection to the existing sewer system is feasible..

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

The proposed water system is to connect to the City of Casper public water system, via a 6" water main located in Bell Valley Road. The City of Casper has provided a letter stating that they have the capacity and are willing to supply water to this development. WDEQ has reviewed the information submitted and is satisfied that the proposed connection to the existing water system is feasible.

**State Engineer's Office (SEO) Comments:**

The State Engineer's Office (SEO) has provided comments pertaining to this proposed subdivision. The SEO has provided information which states that they are **GENERALLY** supportive of the development at this time. We have attached the comments from the SEO with this correspondence.



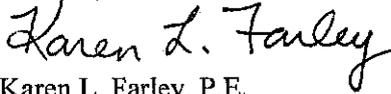
**Conclusions:**

The Wyoming Department of Environmental Quality has "No Adverse" recommendations applicable to the Bell Valley Subdivision.

**Disclaimer:**

Nothing in Wyoming Department of Environmental Quality recommendations or comments regarding the Civil Engineering Professionals, Inc. (CEPI) proposal for the Bell Valley Subdivision shall be construed to relieve Robert P. Ingram, Jr., of the obligation to obtain any permits or additional approval from any local, state, or federal agencies as required by law, rules, regulations, or ordinances. Nothing in these recommendations commits the Wyoming Department of Environmental Quality or the City of Casper to the issuance of required permits for construction, operation, or modification of the existing sanitary sewer and water supply.

Sincerely,



Karen L. Farley, P.E.

Northeast District Supervisor

Water and Wastewater Program, Wyoming Water Quality Division

Enc. SEO Comments

cc: Robert P. Ingram, Jr., 7035 State Highway 220, Casper, WY 82604  
Gene Wallace, Natrona County Planning Office, 200 North Center, Rm 202, Casper, WY 82601  
Robert Bennett, P.E., CEPI, 6080 Enterprise Drive, Casper, WY 82609  
WDEQ Subdivision file  
~~IPS (Cheyenne)~~



# State Engineer's Office

HERSCHLER BUILDING, 4-E CHEYENNE, WYOMING 82002  
(307) 777-7354 FAX (307) 777-5451  
seoleg@seo.wyo.gov

MATTHEW H. MEAD  
GOVERNOR

PATRICK TYRRELL  
STATE ENGINEER

8 June 2012

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

RE: Bell Valley Subdivision, Natrona  
County, WDEQ Application #12-221

Dear Ms. Farley:

State Engineer staff have reviewed the subdivision application referenced above in compliance with W.S. 18-5-306(c)(i). The proposed subdivision encompasses approximately 40 acres and proposes 23 lots. Public water supply (City of Casper's system) and regional wastewater (Casper's Regional Sewer via the Westland Park/Red Butte Village I&SD's system) are proposed. As a part of this review a preliminary water right search in the area of the lands proposed to be subdivided was also conducted. Based upon a review of the information submitted, we offer the following comments:

1. Various Municipal Use (Surface and Ground) water rights in the name of the City of Casper do encompass and recognize the proposed subdivision lands as being within the City's service area.
2. Our search did not however reveal other existing and subject, surface or ground water rights as affecting these lands. If this is the case, no further action on the part of the subdivider or his agent in addressing Wyoming Statute 18-5-306 (a) (xi) would be required [reference WDEQ Chapter 23, Section 8 (vi)].

In summary, the State Engineers Office is generally supportive of approving the development of the proposed subdivision at this time. However, be advised that any number of events could occur at some point in the future which may preclude the State Engineer from issuing new permits for this type of activity.

In all correspondence regarding this application please reference State Engineer Filing Number 2012-24-6. If you have any questions, please feel free to contact me at (307) 777-6166, or if you prefer email, my address is [mike.ebsen@wyo.gov](mailto:mike.ebsen@wyo.gov).

Surface Water  
(307) 777-6475

Ground Water  
(307) 777-6163

Board of Control  
(307) 777-6178

Thank you for this opportunity to comment.

Sincerely,



Mike Ebsen  
Cooperative Programs Coordinator

Cc: Rich Cripe, PE, DEQ-WQD, Environmental Program Manager  
John Barnes, Administrator, Surface Water Division  
Lisa Lindemann, Administrator, Ground Water Division  
Allan Cunningham, Adjudication Officer, Board of Control  
Randy Tullis, Superintendent, Water Division I  
Jack Gibson Hydrographer-Commissioner, Water District 11  
Robert P. Ingram, Jr., 7035 State Highway 220, Casper, WY 82604  
Natrona County Planning Office, 200 North Center, Room 202, Casper, WY 82601  
Robert Bennett, PE, CEPI, Inc., 6080 Enterprise Drive, Casper, WY 82609



# Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

John Corra, Director

## NOTIFICATION OF COVERAGE

July 6, 2012

Jason Praus  
3401 N. Highway 14-16  
Gillette, WY 82716

RE: Mining Electrical Services - Small Wastewater System  
Application No. 12-222, Campbell County

Dear Mr. Praus:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of one 1,250 gallon ICM concrete septic tank discharging into two trenches of seven Infiltrator Quick 4 standard chambers each, for a 16,000 SF shop located in the NW ¼, **Section 8, Township 50N, Range 72W**, Campbell 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 facility in accordance with **Chapter 11, Part D** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2014.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

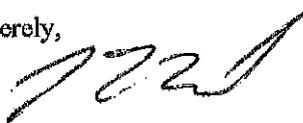
[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

  
Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
Keith Bower, Campbell County Public Works, 500 S. Gillette Avenue, Suite 1500, Gillette, WY 82716  
Jaime Tarver, P.E., DOWL HKM, 1901 Energy Court, Suite 170, Gillette, WY 82718

Cheyenne  
122 West 25<sup>th</sup> Street 82002  
(307) 777-7937

Lander  
510 Meadowview Drive 82520  
(307) 332-3144

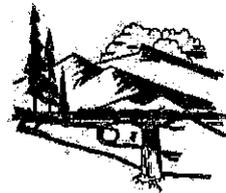
Sheridan  
2100 W. 5<sup>th</sup> Street 82801  
(307) 673-9337





# Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

June 8, 2012

Jaime Tarver, P.E.  
DOWL HKM  
1901 Energy Court, Suite 170  
Gillette, WY 82718

RE: Mining Electrical Services – Conventional Septic System  
Location: NE ¼, T. 50N, R. 72W, Campbell County  
WDEQ Application #12-222

Dear Ms. Tarver:

We have completed our review of the permit application submitted on May 24, 2012. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3478 should you have any questions related to these comments or the application and review process.

Sincerely,

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

Attachments: WDEQ Comments

cc: Jason Praus, JACT Enterprises, Inc., 3401 North Highway 14-16, Gillette, WY 82716  
IPS  
WDEQ File



**REVIEW OF PLANS & SPECIFICATIONS**  
**WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**WATER QUALITY DIVISION**  
**152 North Durbin Street, Suite 100**  
**Casper, Wyoming 82601**  
**Phone (307) 473-3465**

**PROJECT:** Mining Electrical Services – Conventional Septic System

**LOCATION:** Campbell County, Wyoming

**ENGINEER:** DOWL HKM

**APPLICANT:** Jason Praus, JACT Enterprises, Inc.

**WATER QUALITY DIVISION APPLICATION NUMBER:** 12-222

**DATE ON PROPOSAL/PLANS/REPORT:** May 23, 2012

**DATE RECEIVED BY DEQ:** May 24, 2012

**DATE OF THIS REVIEW:** June 8, 2012

**WDEQ REVIEWER:** Jason Vreeland, P.E., Karen L. Farley, P.E.

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

**COMMENTS**

- 1) Please indicate if the shop will be equipped with floor drains and if so, are they intended on being connected to the septic system.
- 2) The building sewer line from the cleanout outside the building to the cleanout prior to the septic appears to be longer than 100 feet. Cleanouts are required at a maximum of every 100 feet. Please revise accordingly.
- 3) On sheet D-2, the speed levelers are shown as installed on the outside of the box. Please clarify where these are to be installed.
- 4) Please explain the purpose of the tee in the distribution box and verify that a 4 inch tee will fit inside a distribution box that appears to have an inside height dimension of 11 <sup>3</sup>/<sub>4</sub> inch.
- 5) Please indicate the number of employees currently served by the water system.
- 6) The well is listed as incomplete and under the name of Richard H. and Jayne A. Stone in the State Engineer's Office (SEO) database. The SEO should be contacted to ensure that the records are accurate for the use and ownership of this well.

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 12-224

State 4-36BH Man Camp  
No Public Water System Number Assigned

This permit hereby authorizes the applicant:

Debbie Sorensen  
Mountain West Oilfield/ PTI Group  
P.O. Box 670  
Vernal, UT 84078

to construct a public water supply system consisting of two 3,360 gallon of finished water storage tanks each with a single booster pump at the Man-Camp and four 3,135 gallon of finished water storage tanks each with a single booster pump at the Well Site and a sewage collection and storage system consisting of two 4,000 gallon of sewage storage tanks each with a lift pump at the Man Camp and four 1,700 gallon of sewage storage tanks each with a lift pump at the Well Site to serve a 30 person Man Camp and a 12 person Well Site Camp according to the procedures and conditions of the application number 12-224. The facility is located approximately 57 miles southeast of The City of Rock Springs within NW ¼ SE ¼, Section 36, T14N, R98W at Lat: 41.140739° and Long: -108.383419° in the county of Sweetwater, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by June 18, 2014.

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.

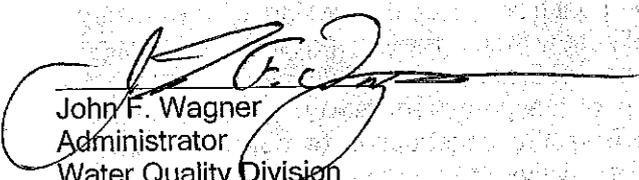
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

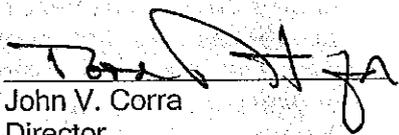
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit;  
or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

6-19-12  
Date of Issuance

MDB/rm/12-0552

cc: David Weston, P.E., Uintah Engineering, 85 S 200 E, Vernal, Utah 84078

## STATEMENT OF BASIS

1. Permit Number: 12-224
2. Application reviewed for compliance with the following regulations:
3. Chapters 3, 11 and 12 of the Wyoming Water Quality Rules and Regulations.
4. Does the permit comply with all applicable regulations identified above?

No.

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.

Mountain West Oilfield Services/PTI Group USA provides temporary onsite living quarters. Redi Services, LLC, a licensed bulk water hauler will haul potable water from the Town of Mountain View public water system to the Man Camp and Well Site. Redi Services will also haul sewage from the Man Camp and Well Site to the Town of Granger's sewage lagoons for disposal.

Chapter 11, Section 43 (a) requires 7 days of storage for sewage holding tanks. The 1700 gallon tank provides 5.6 days of storage serving 6 persons, the 4000 gallon tank provides 5.7 days of storage serving 14 persons. Both tanks have alarms set at ¾ capacity. Mountain West Oilfield Services has contracted with Redi Services to provide sewage hauling when needed.

Chapter 12, Section 13 (a)(vi) requires that all water storage structures shall be provided with an overflow. Chapter 12, Section 13 (viii) requires that finished water storage tanks shall be vented. Mountain West uses steel and poly tanks the poly tanks have combination overflow and vent. The steel and poly tanks will be stored within fully enclosed insulated skid mounted containers.

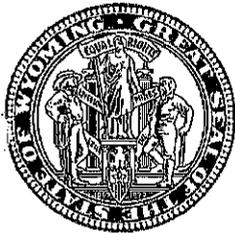
6. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.

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 Mark Baron P.E. Southwest District Engineer, mark.baron@wyo.gov and completed on June 18, 2012. 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.



Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

July 17, 2012

Cheyenne Retirement, L.L.C.  
Attn: Todd Zens, Director of Construction  
P.O. Box 1359  
Aberdeen, SD 57402

RE: Primrose Retirement Communities Water System Improvement Project,  
Application No. **12-225, Laramie County**

Dear Mr. Zens:

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 consisting of a total of approximately 1220 feet of 8" PVC C-900 DR-14 water pipe, gate valves as indicated, and three fire hydrants, located in a portion of Section 17, T14N, R66W, Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, **Section 14** of the Water Quality Division Rules and Regulations, 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. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by July 17, 2014.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Please reference Application No. **12-225** in any future correspondence.

If you have any questions, please contact me at either [ron.ewald@wyo.gov](mailto:ron.ewald@wyo.gov) or by phone at (307) 777-6183.

Sincerely,

Ronald L. Ewald  
Assistant Southeast District Engineer  
Water Quality Division

RLE/rm/12-0632

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne  
Christine Johnson, AVI, p.c., 1103 Old Town Lane, Cheyenne, Wyoming 82009  
Herman Noe, Cheyenne BOPU, 2100 Snyder Ave., Cheyenne, Wyoming 82001

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

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|--|---|---|---|--|--|---|
| ADMIN/OUTREACH<br>(307) 777-7758<br>FAX 777-7682 | ABANDONED MINES<br>(307) 777-6146<br>FAX 777-8462 | AIR QUALITY<br>(307) 777-7391<br>FAX 777-8616 | INDUSTRIAL SITING<br>(307) 777-7369<br>FAX 777-6937 | LAND QUALITY<br>(307) 777-7756<br>FAX 777-6864 | SOLID & HAZ. WASTE<br>(307) 777-7752<br>FAX 777-5973 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-5973 |
|--|---|---|---|--|--|---|





## Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

John Corra, Director

### NOTIFICATION OF COVERAGE

June 22, 2012

John Daun  
P.O. Box 48  
Chilton, WI 53014

RE: Daun Small Wastewater System  
Application No. **12-226, Crook County**

Dear Mr. Daun:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon Boom concrete septic tank discharging into two Biodiffuser Arc 36 chamber trenches of approximately 14 chambers, for a four bedroom home located in the **SW ¼, Section 30, Township 57N, Range 63W**, Crook 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 facility in accordance with **Chapter 11, Part D** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2013.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.
2. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.
3. Only one house should be connected to the system. Contact WDEQ to review the permit if more than one house is to be connected to the system.
4. Verify the location of any waterlines prior to installation of the system. All setbacks listed in Chapter 11, Part D must be met.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
Tim Lyons, Crook County Growth and Development

Cheyenne  
122 West 25<sup>th</sup> Street 82002  
(307) 777-7937

Lander  
510 Meadowview Drive 82520  
(307) 332-3144

Sheridan  
2100 W. 5<sup>th</sup> Street 82801  
(307) 673-9337





# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 28, 2012

### City of Rawlins

Attn: Spencer Ellingson, City Engineer  
521 W. Cedar Street  
P.O. Box 953  
Rawlins, WY 82301

RE: City of Rawlins: 2011 Water Main Replacement Project – Additional Areas,  
Application No. **12-227, Carbon County**

Dear Mr. Ellingson:

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** consisting of replacing approximately 1300 lineal feet of water main and Existing **Sewage Collection Systems** consisting of replacing approximately 960 lineal feet of sanitary sewer main located in the **Northwest ¼, Section 16, T21N, R87W** and the **Northwest ¼, Section 21, T21, R87W, Carbon 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, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

1. Section 2665 E.6 – Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.
2. In the event that the water service will be access for any activity with a high health hazard in accordance with AWWA M14 "Recommended Practice for Backflow Prevention and Cross-Connection Control," the appropriate backflow protection shall be installed and utilized accordingly.

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|--|---|---|---|--|--|---|
| ADMIN/OUTREACH<br>(307) 777-7758<br>FAX 777-7682 | ABANDONED MINES<br>(307) 777-6145<br>FAX 777-6462 | AIR QUALITY<br>(307) 777-7391<br>FAX 777-5818 | INDUSTRIAL SITING<br>(307) 777-7369<br>FAX 777-8937 | LAND QUALITY<br>(307) 777-7756<br>FAX 777-5884 | SOLID & HAZ. WASTE<br>(307) 777-7752<br>FAX 777-5973 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-5973 |
|--|---|---|---|--|--|---|



All construction, installation, or modification allowed by this Notification of Coverage shall be completed by June 27, 2017.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Please reference Application No. **12-227** in any future correspondence.

If you have any questions, please contact me at either [seth.tourney@wyo.gov](mailto:seth.tourney@wyo.gov) or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.  
Southeast District Engineer  
Water Quality Division

SWT/rm/12-0582

Enclosures: Certificate of Completion form

cc: IPS, Rawlins  
Ken Schwerdt, PMPC, P.O. Box 370, Saratoga, WY, 82331



# Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 19, 2012

Darren Hershey  
77 Antelope Gap Road  
Wheatland, Wyoming 82201

RE: Hershey Residential Waste Water System at 77 Antelope Gap Road  
Application No. 12-228, Platte County

Dear Mr. Hershey:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate a **Small Wastewater Facility** consisting of a 1000 gallon, two compartment, concrete septic tank discharging into a single chamber type trench leachfield of about 60 feet long made up of 15 *Infiltrator* brand, Quick4 model chamber units, for a 2 bedroom home, located in the **NE¼ of Section 18, T24N, R67W, Platte County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the 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. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by June 19, 2014.

The following project specific condition also applies:

Septic Tank Riser Requirement - either a 6" diameter riser or the manways from each compartment of the septic tank shall be extended to the ground surface.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:  
[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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|--|---|---|---|--|--|---|
| ADMIN/OUTREACH<br>(307) 777-7768<br>FAX 777-7682 | ABANDONED MINES<br>(307) 777-6145<br>FAX 777-6462 | AIR QUALITY<br>(307) 777-7391<br>FAX 777-6616 | INDUSTRIAL SITING<br>(307) 777-7368<br>FAX 777-6937 | LAND QUALITY<br>(307) 777-7766<br>FAX 777-6884 | SOLID & HAZ. WASTE<br>(307) 777-7752<br>FAX 777-6973 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-6973 |
|--|---|---|---|--|--|---|



Please reference Application No. **12-228** in any future correspondence.

If you have any questions, please contact me at either [ron.ewald@wyo.gov](mailto:ron.ewald@wyo.gov) or by phone at (307) 777-6183.

Sincerely,



Ronald L. Ewald  
Assistant Southeast District Engineer  
Southeast District, Water & Wastewater Section  
Water Quality Division

RLE/rm/12-0551

Enclosures: Certificate of Completion

cc: IPS, Cheyenne  
Timothy J. Olind, 1352 Cottonwood Ave., Wheatland, Wyoming 82201  
Platte County Planning Office, Reed Elmquist, P.O. Box 728, Wheatland,  
Wyoming 82201

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 12-229

C-5/159<sup>TH</sup> READINESS CENTER

This permit hereby authorizes the applicant:

Wyoming Military Department  
5410 Bishop Boulevard  
Cheyenne, WY, 82009

to construct, install or modify three (3) 10-hp booster pumps, 540 LF of 6-inch sewer main, and 200 LF of 4-inch water service line according to the procedures and conditions of the application number 12-229. The facility is located in Section 11, T14N R67W; Laramie County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed February 15, 2015.

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.

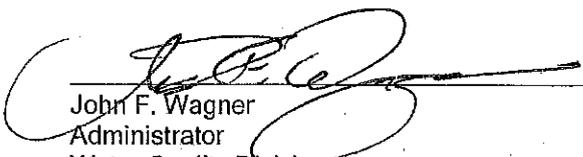
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

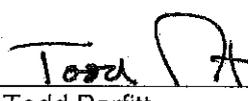
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 307-777-7610, 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. This permit is being issued after the construction of the water and sewer pipe installations. This permit does not endorse, recommend, or assume any liability for the construction of the building over the existing 4-inch water line. Per a letter to Seth Tourney, Southeast District Engineer, dated February 15, 2013, the Wyoming Military Department accepts the maintenance of this water line.
3. 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.
  - e. As a part of the certificate of completion, the Engineer must certify that all Test Wells have been plugged and abandoned as required by Chapter 11, WQD Rules and Regulations.
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

  
Todd Parfitt  
Director  
Department of Environmental Quality

Date of Issuance 2-26-13

SWT/rm/13-0173

## STATEMENT OF BASIS

1. Permit Number: **12-229**
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.

Public water supplies and sewage system 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 Seth Tourney, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on February 26, 2013. 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."

## REVIEW OF PLANS AND SPECIFICATIONS

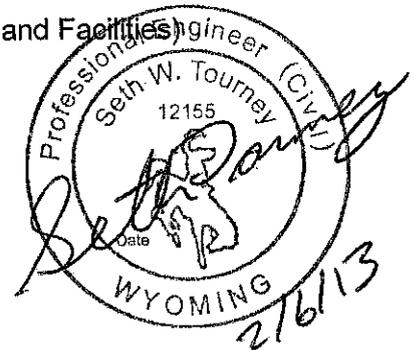
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY / WATER QUALITY DIVISION  
122 West 25<sup>th</sup> Street, Herschler Building 4 West, Cheyenne, Wyoming 82002

PROJECT: C-5/159<sup>th</sup> Readiness Center

ENGINEER: David Schwartz (KPF Consulting Engineers)  
1601 Fifth Ave.  
Seattle, WA 98101

APPLICANT: Brett Bautz (Wyoming Military Department – Construction and Facilities)  
5410 Bishop Blvd  
Cheyenne, WY 82009

WATER QUALITY DIVISION REFERENCE NUMBER: 12-229  
REVIEWING ENGINEER: Seth W. Tourney  
DATE OF REVIEW: February 6, 2013



**ACTION:** **NOT AUTHORIZED FOR CONSTRUCTION** In accordance with Section 14(a), Chapter 3, 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 said 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. It is now understood that the north building was constructed over the top of the existing water service line for the adjacent building. Please provide a letter from the Wyoming Military Department or appropriate operator of the system accepting the maintenance of the water main. Otherwise, relocate the existing water main around the building for this project.
  - a. Please provide clarification how fire protection in the adjacent building will be maintained in the event the water main breaks under the load of the new building.
2. After reviewing the hydraulic calculations, it appears that the booster pumps will be providing 130 psi at the discharge point of the pumps. Please provide the maximum anticipated pressure for all distribution pipes served by this booster pump, and ensure that maximum pipe pressures will not be exceeded by the booster pump.
  - a. Please provide an overall exhibit clearly defining the limits of the distribution piping pressured by this booster pump.
  - b. Provide calculations for the total design head (TDH).

PROJECT: C-5/159<sup>th</sup> Readiness Center  
DATE OF REVIEW: February 6, 2013

3. In reviewing the hydraulic calculations, it appears that the booster pumps were originally designed for 3,500 gpm (Page 3 of the Water Engineering Design Report); however, the new submittal indicates three pumps at 71 gpm. Please provide clarification and exhibits.
4. Please identify the material and pressure classification of the existing 4-inch water main underneath the new building.
5. Regarding the proposed holding tank on the north side of the building, please provide a design in accordance with Chapter 25 Section 12 of the Water Quality Rules and Regulations.
6. In responding to these comments, please provide three (3) copies of the response letter with supporting documentation. The response letter will need to be signed and sealed by a Wyoming Professional Engineer.

**END OF REVIEW**

SWT/rm/13-0104

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

New  
 Renewal  
 Modified

PERMIT NO. 12-230  
SPECIAL CONDITIONS

QEP Field Services-South Baxter Facility  
Additional Monitoring Well installation

This permit hereby authorizes the applicant:

QEP Field Services Company  
1050 17<sup>th</sup> Street, Suite 500  
Denver, CO 80265

to construct, install or modify additional monitoring wells according to the procedures and conditions of the application number 12-230. The facility is located in SE¼, Section 16, T.16N., R.104W. (6<sup>th</sup> P.M.) in the county of Sweetwater, in the State of Wyoming. All construction, installation or modification allowed by this permit shall be completed by June 06, 2017.

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

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

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

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

The permittee shall notify representatives from the DEQ, Water Quality Division when the construction commences and give an estimate of completion for the project. The authorized representative in your area can be contacted at the following address: WDEQ, Water Quality Division, 510 Meadowview Drive, Lander, Wyoming 82520; telephone (307) 332-3144; FAX (307) 332-3183.

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

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

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

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

1. All monitoring well installations and all monitoring wells subject to decommissioning authorized under this permit shall comply with the requirements of Chapter 26 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements. No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division.

2. WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of the bailers and sample collection so that they may be on site if deemed necessary.

3. The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).

4. The results of any other analyses conducted on soil or water removed from all wells/piezometers or boreholes shall be provided to the department as soon as they are available.

5. ***Environmental Monitoring Program for Groundwater of the State:***

a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.

b. The permittee shall maintain records of all monitoring information for a period of at least 3 years.

c. Records of monitoring information shall include:

i. The date, exact place, and time of sampling or measurements;

ii. The name(s) of individual(s) who performed the sampling or measurements;

iii. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.

iv. Sampling procedures and sample preservation accomplished;

v. The date(s) analyses were performed;

vi. Names of individuals who performed the analyses;

vii. The analytical techniques or methods used; and

viii. The results of such analyses.

ix. Groundwater samples from the monitoring wells shall be analyzed as indicated on the following table. This table supplements previous permit requirements.

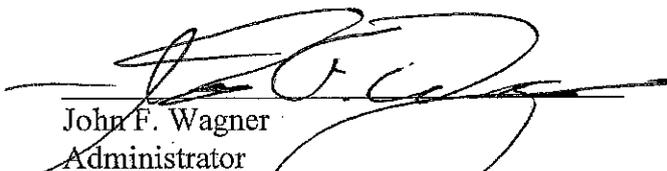
| WELL NAME OR NUMBER  | SAMPLING FREQUENCY                             | ANALYTICAL METHOD(S)  | PARAMETER(S) ANALYZED       | PERMIT LIMIT |
|--|--|-----------------------|-----------------------------|--------------|
| All Existing MW's & Proposed MW<br>Additional parameters as specified in work plan | Semi-annual in conjunction w/ existing program | EPA 6010B<br>EPA 9056 | Chromium<br>Nitrate/Nitrite |              |

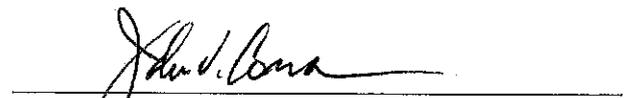
\* Permit Limits (i.e. Groundwater Protection Standards) are only required for compliance monitoring wells. All chemical concentrations in this permit are expressed in mg/l unless otherwise noted.

6. Within ninety (90) days of completion of the recovery system installation as per the work plan, dated June 6, 2012, QEP Field Services Company shall submit a completion report. The completion report shall include the operation and maintenance plan and "as built" diagrams of the MW's and P & A reports for the decommissioned MW's. Thereafter, an annual report, as is currently being submitted, will be required that provides a summary of the sampling data, a description of any equipment problems or downtime, and any other pertinent data.

7. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required by the WQD. An adequate number of well(s)/piezometer(s) shall be installed to define the nature and extent of the contamination.

AUTHORIZED BY:

  
 John F. Wagner  
 Administrator  
 Water Quality Division

  
 John V. Corra  
 Director  
 Department of Environmental Quality

6-27-12  
 Date of Issuance

JOC/rm/12-0572

cc: IPS – Lander Office

**GROUNDWATER POLLUTION CONTROL PROGRAM**

**REVIEW COMMENTS:**

**PLANS/SPECIFICATIONS/PROPOSALS/REPORTS**

**SITE NAME:** Questar QEP Corporation, South Baxter Facility

**SITE STATUS:** Site Remediation

**APPLICANT:**

Mr. Perry H. Richards  
Senior Vice President  
QEP Field Services  
1050 17<sup>th</sup> Street, Suite 500  
Denver, CO 80265

**ENGINEER/CONSULTANT:**

Mr. Christopher Hayes, P.G.  
Geologist  
Tetra Tech  
136 East South Temple, Suite 910  
Salt Lake City, UT 84111

**WATER QUALITY DIVISION REFERENCE PERMIT NUMBER:** Permit-to-Construct #88-280  
and the current proposal Permit-to-Construct #12-230

EXISTING       NEW       AS-BUILT

**TITLE:** South Baxter Facility 2012 Monitoring Well Installation

PLANS       SPEC'S       PROPOSAL       REPORT

[Check all that apply]

**DATE ON PROPOSAL/PLANS/REPORT:** June 6, 2012

**IS THIS PROPOSAL SUBMITTED PURSUANT TO:**

'CONDITIONS' TO ANY WQD PERMIT?     NO     YES (WQ Permit 12-230)

AN 'LOV' 'NOV' OR OTHER ENFORCEMENT?     NO     YES [DATE]

**REVIEWING OFFICIAL(S):** \_\_\_\_\_

**James P. O'Connor, P.G.**

**DATE OF THIS REVIEW:** June 19, 2012

**ACTION:** Install 1 GW MW to replace existing MW SBD-3. The replacement well will be installed hydraulically downgradient from the inactive evaporation pond.

**COMMENTS: GROUNDWATER SECTION****1.0 SUMMARY OF EXISTING CONTAMINATION****1.1. Site description & history**

The legal description of the site is as follows: SW¼ §16, T. 16 N., R. 104 W. (6<sup>th</sup> P.M.) There is no address for the facility. However, the site is located at latitude 41° 21' 54" N and longitude 109° 7' 17" W in Sweetwater County. The site is leased to QEP Field Services by the State Wyoming State Lands and Investments Board.

Natural gas was discovered in the South Baxter field in the 1930's. In 1936, a camp consisting of five homes were constructed to provide housing for employees. In 1948, the compressor plant was constructed and later modified in 1956. As natural gas was extracted over the intervening years some of the producing wells turned sour with an increasing H<sub>2</sub>S content. In 1983, it was determined that a sweetening plant was necessary to remove the H<sub>2</sub>S. The sweetening plant was constructed in 1984 and put into operation in 1985. The operation of the sweetening plant required the use of a solution to clean the contact towers employed in the extraction of the H<sub>2</sub>S. Replacement of the solution was required every 30 days during the cleaning operation. An estimated volume of 2,500 gallons of waste solution was discharged during each cycle. Unfortunately, the number of cleaning cycles was not recorded. As a result, an accurate volume of solution cannot be determined.

In order to address the accumulation of the waste solution, an evaporation pond was constructed at the facility. The original design of the pond was based on the sweetening plant manufacturer's estimate of the amount of chemical required for each cleaning cycle in conjunction with the number of cycles for optimum plant operation. The estimates proved to be erroneous resulting in an increase in the amount of chemical, volume of water and the number of cycles- all of which increased over the original estimates. This resulted in the pond approaching capacity earlier than anticipated. In 1987, it was determined that the contents of the pond required removal. Upon content removal several small holes were found in the bottom of the membrane liner.

While the pond waste removal was in progress, the final stages of the facility solid waste landfill cleanup were being completed. As part of the cleanup project, several monitoring wells were installed. Water samples collected in October, 1987 from monitoring wells at the facility revealed that the shallow unconfined aquifer had been adversely impacted by constituents seeping out of the evaporation pond. Groundwater monitoring was conducted on a semi-annual basis from 1987 to 1996 as stipulated by WQD Permit-to-Construct 88-280. In 1997, the sampling frequency was adjusted to an annual basis and finally to a bi-annual basis in 2000. In 2002, WDEQ requested that semi-annual sampling events be reinstated. This adjustment was made as a result of increased chromium levels in monitoring well (MW) SBD-3. Since 2002, MW SBD-3 has only been sampled twice on the following dates: January 3, 2002 and May 20, 2003. A lack of groundwater was cited as the reason on these occasions.

## 1.2. Summary of Existing Contamination

The evaporation pond has been identified as the source of the elevated nitrates, and previously, the chromium impacting the groundwater. Currently, samples are collected on a semi-annual basis from all MW's in which GW is present. During latest sampling event, the list of MW's included the following: SBU-1, CH-4, CH-3 & SBD-3. All MW's are analyzed for the following field parameters and analytes: DO, pH, specific conductance, redox potential, TDS, depth to water, nitrates/nitrites, sulfides, sulfates, sulfur and chromium. At the present, time only nitrate exceeds the primary drinking water standard of 10.0 mg/L.

## 1.3. Site Geology/Hydrogeology (as described in Questar's 1988 work plan)

The South Baxter area is located at the south end of the Rock Springs Uplift of southwestern Wyoming. The Rock Springs Uplift is a doubly plunging anticlinal structure with a north-south trending axis. Strata on the west flank dip to the west up to 15°. Strata on the east flank display dips ranging from 3° to 10° east. The South Baxter facility is located at the southern end of the uplift where strata also dip to the south ranging from 5° to 15°. The strata in the region began uplifting in the late Cretaceous period and continued through the Eocene epoch. Some faulting occurred during the uplift and ceased when the uplift concluded at which time erosion began. The debris hydraulically transported to the south formed the Bishop Conglomerate. The oldest exposed rock unit is the Baxter Shale. This unit is overlain by the Blair formation.

At the facility location, the Baxter Shale outcrops from the plant and camp to the east, while the Blair Formation outcrops to the west. Both units dip to the west and are described as shales interbedded with siltstone and fine to medium grained sandstone. The Blair Formation is less than 200' thick while the Baxter Shale is in excess of 3000' thick. The contact between the two formations is gradational. As was previously mentioned, the Baxter Shale is overlain by the Bishop Conglomerate. This formation is described as conglomerate, sandstone with minor volcanic tuff of fluvial origin. The formation is described as ranging between 100' to 150' thick in the South Baxter area.

Regional hydrogeologic summaries indicate that the Blair Formation and Baxter Shale produce limited quantities of highly mineralized water from sandstone lenses. Yields from the higher quality- i.e. TDS <600 mg/L- Bishop Conglomerate are greater than the Baxter Shale.

The bedrock at the site is the claystone detritus from the Blair Formation and Baxter Shale. Test holes from the initial drilling describe the claystone as brown to green to gray, and hard to very hard, weathered. The claystone is overlain by what is described as a medium stiff to very stiff sandy clay. The clay is presumed to be residual claystone material and slopewash from the Bishop Conglomerate. Groundwater in the South Baxter area surfaces in a number of locations- most of which occur in close proximity to the contact of the Bishop Conglomerate with the underlying shale units.

Field tests conducted in support of the geotechnical investigations for the lined evaporative pond, measured hydraulic conductivity rates of  $6 \times 10^{-4}$  cm/sec to  $4 \times 10^{-5}$  cm/sec in the sandy clays and upper claystone bedrock. Laboratory testing, conducted in conjunction with the geotechnical

investigation for the lined evaporation pond, measured conductivity rates of  $1.4 \times 10^{-7}$  cm/sec for these units.

## 2.0 CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE

### 2.1. 1987 thru 2011 WQ Chapter 3 Permits-to-Construct & UIC Permit issued

As previously stated in the history portion of the chronology, Permit-to-Construct 89-053 authorized the installation of the initial series of boreholes and monitoring wells. While the pond waste removal was in progress, the final stages of the facility solid waste landfill cleanup were being completed. As part of this cleanup project, several monitoring wells were installed. Water samples collected in October, 1987 from monitoring wells at the facility revealed that the shallow unconfined aquifer had been adversely impacted by constituents seeping out of the evaporation pond. Groundwater monitoring was conducted on a semi-annual basis from 1987 to 1996 as stipulated by WQD Permit-to-Construct 88-280.

In 1997, the sampling frequency was adjusted to an annual basis and finally to a bi-annual basis in 2000. In 2002, WDEQ requested that semi-annual sampling events be reinstated. This adjustment was made as a result of increased chromium levels in monitoring well (MW) SBD-3. Since 2002, MW SBD-3 has only been sampled twice on the following dates: January 3, 2002 and May 20, 2003. A lack of groundwater was cited as the reason on these occasions. The May 20, 2003 sampling event reported that chromium had decreased to levels below the groundwater standard. As a result of inconsistent monitoring activities at the site due to personnel changes, WYDEQ requested an onsite meeting to discuss remediation options. This application is the result of the January, 2012 onsite discussion.

### 2.2. Contaminants of Concern

- **Chromium.** Initially, six MW's exceeded the primary drinking water standard for chromium of 0.1 mg/L. Currently, all MW's where GW is present exhibit levels below the MCL. The change in concentration is apparently the result of natural attenuation following the source removal of the evaporation pond. According to published literature this reduction in concentration levels occurs rapidly in the presence of ferrous iron and elevated sulfates in the GW. Elevated sulfates in the GW decrease the solubility and thus inhibit the mobility of chromium. However, it is noteworthy that no chromium mineral phases were described in the annual reports.
- **Nitrates.** Two MW's, CH-3 and CH-4, currently exceed the MCL of 10.0 mg/L for the primary drinking water standard for nitrate.

### 2.3. Recommendations proffered by QEP Field Services

#### 2.3.1. Proposed recommendations for drilling and monitoring well installation

1. Due to declining GW conditions, a new GW MW is proposed for replacement of MW SBD-3. The new MW will be advanced to a depth not to exceed 40 feet below ground surface using hollow stem auger methods. The MW will be completed using two-inch diameter schedule-40 poly vinyl chloride casing with approximately 10 feet of 0.010 slotted screen, completed with a flush mounted well head protector set in concrete at ground surface.

2. The recommendations included the details of the drilling, soil sampling and MW construction procedures and shall comply with Chapter 11, Part G of the WDEQ Rules & Regulations.

### **3.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS**

- 3.1. With regard to the recommendations listed in §2.3, above, concerning the placement of the additional MW to provide further delineation of the contaminant plume, WDEQ is in agreement with the proposal as specified with respect to the approximate location and to some extent with the proposed depth.
  - 3.1.1. The drilling log for SBD-3 indicates that the MW was completed with a total depth of approximately 25 feet. While a total depth of 40 feet should be sufficient, WDEQ recommends that the actual depth be determined by conditions onsite rather than one that is predetermined- i.e. auger refusal in an impermeable unit or first groundwater.
  - 3.1.2. WDEQ is in agreement with the details of the MW construction & GW sampling as stated in the work plan. WDEQ is in agreement with the details of the GW sampling schedule - i.e. semi-annual basis and the details of the proposed sample analysis as specified in the work plan.
  - 3.1.3. All MW construction shall comply with Chapter 26, WDEQ Rules & Regulations.

**END OF REVIEW**

JOC/rm/12-0572



# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

July 6, 2012

### Cheyenne Board of Public Utilities

Attn: Herman Noe  
2416 Snyder Avenue  
Wheatland, WY 82001

RE: Holliday Park Connector  
Application No. 12-231, 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** consisting of replacing one fire hydrant and Existing **Sewage Collection Systems** consisting of replacing approximately 250 lineal feet of sanitary sewer main located in the South 1/2, Section 32, T14N, R66W, Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by July 6, 2017.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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| ADMIN/OUTREACH<br>(307) 777-7758<br>FAX 777-7682 | ABANDONED MINES<br>(307) 777-8145<br>FAX 777-8482 | AIR QUALITY<br>(307) 777-7381<br>FAX 777-5816 | INDUSTRIAL SITING<br>(307) 777-7389<br>FAX 777-6837 | LAND QUALITY<br>(307) 777-7756<br>FAX 777-5864 | SOLID & HAZ. WASTE<br>(307) 777-7752<br>FAX 777-6973 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-5873 |
|--|---|---|---|--|--|---|



Please reference Application No. 12-231 in any future correspondence.

If you have any questions, please contact me at either [seth.tourney@wyo.gov](mailto:seth.tourney@wyo.gov) or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.  
Southeast District Engineer  
Water Quality Division

SWT/rm/12-0604

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne  
Darci Hendon, Ayres Associates, 214 W. Lincolnway, Suite 22, Cheyenne, WY 82001



# Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

John Corra, Director

## NOTIFICATION OF COVERAGE

June 12, 2012

Randy Faris  
P.O. Box 7370  
Alva, WY 82711

RE: Faris Small Wastewater System  
Application No. 12-232, Crook County

Dear Mr. Faris:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,050 gallon AK Industries polyethylene septic tank discharging into three Biodiffuser standard chamber trenches in a bed design for a total of 23 chambers, for a four bedroom home and shop located in the SE ¼, Section 5, Township 54N, Range 63W, Crook 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 facility in accordance with **Chapter 11, Part D** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2013.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.
2. Flow-divider tees or a distribution box is required to evenly split flow between trenches.
3. Water quality sampling is required as part of the variance to the setback from the water well. The water well must still be a minimum of 80 feet from the absorption field. Sampling must be conducted prior to start-up of the system as well as during the month of October with results sent to the WDEQ Casper office prior to November 15, 2012. At the minimum, the well must be sampled for Total Coliform and e. coli.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
Tim Lyons, Crook County Growth and Development

Cheyenne  
122 West 25<sup>th</sup> Street 82002  
(307) 777-7937

Lander  
510 Meadowview Drive 82520  
(307) 332-3144

Sheridan  
2100 W. 5<sup>th</sup> Street 82801  
(307) 673-9337





# Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

## NOTIFICATION OF COVERAGE

June 11, 2012

Gary Sorenson  
904 Clarion Drive  
Gillette, WY 82718

RE: Sorenson Small Wastewater System  
Application No. 12-233, Weston County

Dear Mr. Sorenson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon Boom concrete septic tank discharging into one pipe and rock trench of approximately 75 feet, for a two bedroom home located in the NW ¼, Section 4, Township 47N, Range 60W, Weston 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 facility in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2013**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.
2. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
Weston County Growth and Development, 1 West Main Street, Newcastle, WY 82701





# Department of Environmental Quality

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



Matt Mead, Governor

John Corra, Director

August 6, 2012

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

Subject: Non-Adverse Recommendation, Cedar Springs Meadows Subdivision,  
Lincoln County, DEQ/WQD Application # 12-234

Dear Mr. Connelly:

The Wyoming Department of Environmental Quality has completed the review of the proposed Cedar Springs Meadows Subdivision located in the NW  $\frac{1}{4}$  of SE  $\frac{1}{4}$  of Section 1, T34N, R119W, 6<sup>th</sup> P.M., Lincoln County, Wyoming. Generally described, the property is located, approximately 3.0 miles northwest of Thayne, Wyoming. The Cedar Springs Meadows Subdivision will create 102 lots out of approximately 29.2 acres. The information was submitted by Harper-Leavitt Engineering, Inc. and signed by B. Luke Jolley, P.E., a Wyoming Licensed Engineer. Thomas R. Wood, P.G., a Wyoming Licensed Geologist of Clearwater Geosciences also submitted information. This letter represents the recommendations of the Wyoming Department of Environmental Quality as required by W.S. 18-5-306(c).

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

The proposed sewage systems are to be onsite enhanced sewage treatment septic systems. These systems will consist of six existing Jet systems and the remaining are to be Advanced Enviro-Septic or equivalent systems. The septic systems will serve either two, three or four homes with a common leach field. The information submitted addresses the safety and adequacy of the proposed sewage system.

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

The proposed water system is to be a public water supply system consisting of onsite water wells and water distribution mains. The information submitted addresses the safety and adequacy of the proposed water system.

Page 1 of 3



Lincoln County Board of Commissioners  
August 6, 2012

Notes required to be added to the final plat, and other pertinent documents:

All septic system leach fields must be at least 200 feet from all public water supply wells within the Cedar Springs Meadows Subdivision.

Since the existing and proposed septic systems are operated under common ownership and since the total common sewage flow exceed 2000 gallons per day the septic systems are required to be permitted and operated under Chapter 16 of the Water Quality Rules and Regulations. The existing Permit Number is 07-789 and existing Facility Number is WYS-023-00098. All construction of new septic systems and modifications to existing septic systems must be approved by the Underground Injection Control (UIC) Program. The UIC Geological Supervisor can be contacted at the Wyoming Department of Environmental Quality, Water Quality Division, Herschler Building 4W, 122 West 25<sup>th</sup> Street, Cheyenne, WY 82002.

The proposed individual sewage disposal systems are to be enhanced on-site wastewater treatment systems for all lots. Each enhanced wastewater treatment system must continually achieving the following minimum treatment standards as required by Chapter 23, Section 7(d)(viii)(C) of the Wyoming Water Quality Rules and Regulations at a depth of 4 feet above the seasonally high groundwater:

- Fecal Coliform: < 800 colonies/100mL (maximum 30 day geometric mean)
- Total Kjeldahl Nitrogen: < 25mg/L (maximum 30 day average)

The proposed enhanced wastewater treatment systems must have at least a total separation distance of 8 feet between the bottom of the leach field bed or trench and the seasonally high groundwater.

Conclusions:

The Department of Environmental Quality has "Non- Adverse" recommendations applicable to the Cedar Springs Meadows Subdivision.

Lincoln County Board of Commissioners  
August 6, 2012

**Disclaimer:**

The Non-Adverse recommendation provided above has nothing to do with, nor has any bearing on the water rights associated with the Cedar Springs Meadows Subdivision. Any questions or concerns about the water rights for the Cedar Springs Meadows Subdivision, should be directed to the State Engineer's Office.

Nothing in Department of Environmental Quality recommendations or comments regarding the Harper-Leavitt Engineering, Inc.\Clearwater Geosciences proposal, for the Cedar Springs Meadows Subdivision shall be construed to relieve Mr. Tom Lewis of the obligation to obtain any permits or additional approval from any local, state or federal agencies as required by law, rules, regulations, or ordinances. Nothing in these recommendations commits the Department of Environmental Quality or Lincoln County to the issuance of required permits for construction, operation, or modification of water supply or sewage systems.

Sincerely,



Mark Baron, P.E.  
Southwest District Supervisor  
Water & Wastewater Program, Water Quality Division

MDB/mdb

xc:

Tom Lewis, P.O. Box 842, Thayne, WY 83127

B. Luke Jolley, Harper-Leavitt Engineering, P.O. Box 866, Blackfoot ID, 83221

John Woodward, Lincoln County Planning Office, 421 Jefferson St., Ste 701, Afton, WY 83110

Mr. Mike Ebsen, Water Management Specialist, Wyoming State Engineers Office,  
Herschler Building, 4<sup>th</sup> Floor East, Cheyenne, WY 82002

Rich Cripe, WDEQ/WQD, Cheyenne

John Passehl, WDEQ/WQD, Cheyenne

IPS



# Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

**November 8, 2012**

### Town of Glenrock

Attn: Dave Andrews, Public Works Director  
P.O. Box 417  
Glenrock, WY 82637

RE: Glenrock North 3<sup>rd</sup> Street – Water & Sewer Improvements,  
Application No. **12-235, Converse County**

Dear Mr. Andrews:

The above application for coverage under **General Permit to Construct, Install, Modify, Replace, or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems** consisting of approximately 1695 feet of 8" Sch40 PVC waterline, gate valves as indicated, and 4 new fire hydrants, and Existing **Sewage Collection Systems** consisting of approximately 1400 feet of 12" PVC SDR-35 sanitary sewer line, and 4 new manholes, located in **portions of Section 5, T33N, R75W, Converse 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 25** 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. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **November 8, 2014**.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:  
[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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|--|---|---|---|--|--|---|



Please reference Application No. **12-235** in any future correspondence.

If you have any questions, please contact me at either [ron.ewald@wyo.gov](mailto:ron.ewald@wyo.gov) or by phone at (307) 777-6183.

Sincerely,

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

Ronald L. Ewald  
Assistant Southeast District Engineer  
Water Quality Division

RLE/rm/12-1052

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne  
Thomas Brauer, Civil Engineering Professionals, Inc., 6080 Enterprise Drive,  
Casper, Wyoming 82609

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

PROJECT: Glenrock North 3<sup>rd</sup> Street Improvements

LOCATION: Section 5, T33N, R75W, Converse County

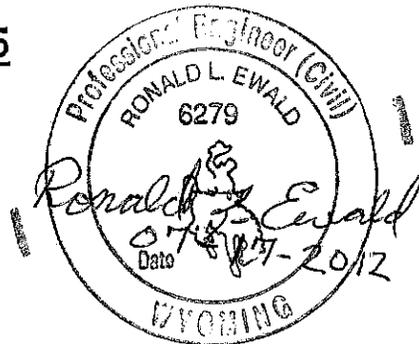
ENGINEER: Thomas Brauer  
Civil Engineering Professionals, Inc.  
6080 Enterprise Drive  
Casper, Wyoming 82609  
Ph: (307) 266-4346

APPLICANT: Town of Glenrock  
Attn: Dave Andrews, Public Works Director  
219 South 3<sup>rd</sup> Street  
Glenrock, Wyoming 82637  
Ph: (307) 436-9294

**WATER QUALITY DIVISION REFERENCE #: 12-235**

REVIEWING ENGINEER: Ronald L. Ewald  
Phone: (307) 777-6183  
email: [ron.ewald@wyo.gov](mailto:ron.ewald@wyo.gov)

DATE OF REVIEW: July 17, 2012



**ACTION:** **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 14 (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 9. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

## COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Fire Hydrant Leads Crossing Sewer Main with No Clearance - the 6" Fire Hydrant(FH) leads at approximately Stations 3+95, and 7+90 cross the 12" sewer main with almost no vertical clearance. No details are provided as to how these crossings will be done to maintain the required minimum clearances. Provide detail.
2. Water Main Valves - the water main valves are not shown on the profile views of the water mains, and they are barely visible on the plan views. Also, the locations of the valves are not identified on either view by a station location distance. The construction crews will need to know the station locations for the valves so they will know where to install them. Please include valve station location numbers.
3. No Detail Sheets Provided - there are no detail sheets included with the submittal to provide basic details such as; FH details, valve details, Man Hole details, water and sewer line crossing details when offsets are required, thrust block types required and minimum sizes, service connections, and etc., etc., etc.

**END OF REVIEW**

RLE/rm/12-0635

12-236



# Department of Environmental Quality

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



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

Todd Parfitt, Director

December 26, 2012

Johann Nield  
Town of Dayton  
P.O. Box 100  
Dayton, WY 82836

RE: Town of Dayton Water Treatment System Capacity

Dear Mr. Nield:

This letter is in reference to the Town of Dayton's available water supply and the capacity available for future development. Pump test data, plant capacity, and available water rights were evaluated to determine the maximum flow rate appropriate for design purposes when reviewing applications for permits to construct for future development within the service area of the Town's water system.

The Town's water supply capacity was evaluated with the surface water treatment plant as the primary source of water with the well functioning as a backup source. It is our understanding that the Water Treatment plant is a direct filtration system that collects water through an infiltration gallery, pumps it to a raw water well, followed by the Filtration system, then to UV irradiation and chlorination systems, and finally to the clear well for distribution. The surface water treatment plant is capable of treating 1,000 gpm as noted in the Leopard Rock Subdivision application for a Permit to Construct, Permit #12-236. The Town has rights to 2,244 gpm under SEO permit #1702 EN-1. The Leopard Rock Subdivision design report indicated a peak day demand of 199 gpm when the historical peak day is combined with the design peak day which when compared to the treatment plant capacity would allow for future expansion of the Town's system.

However, the acceptability of using the treatment plant on a design basis is not clear. It was previously understood that the plant could not effectively treat water when the raw water source was highly turbid, which may occur concurrent with spring runoff. In response to this, you indicated that the Town was able to effectively treat water during periods of high turbidity and it was the Town's preference not to run the plant at this time due this operation requiring continuous supervision.

Due to concerns with the treatment plants capabilities, the Town's water well, Dayton #1, was also evaluated as a sole source of water. The pump test recently completed as required under WDEQ permit # 08-445 appear to reflect a sustainable flow rate of approximately 300 gpm,



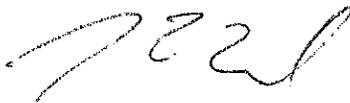
which in accordance with WWQRR Chapter 12, is 1.5 times the design flow rate. This yields an effective design flow rate of approximately 200 gpm. Additionally, the well is limited to 225 gpm based on the amount appropriated by the SEO.

As the effective design flow rate of the well demonstrates, the Town may exceed the well's production capabilities if used as a sole source. Available water may also be limited based on current water rights.

In summary, the Town's water treatment plant has adequate capacity to treat the demand and provide for future expansion by treating up to 1,000 gpd with a demand of 200 gpd. However, the plant's capability to treat water when the water source is high in turbidity is in question. Because of this WDEQ considers the well the only acceptable water source for use on a design capacity basis. To accept the treatment plant as an acceptable source for design, the Town must demonstrate that it is able to treat water when the raw water turbidity is at either historically high levels, or if data is not available, what is expected to be the highest possible level based on similar watersheds. It must also be demonstrated that the treatment must be accomplished to WDEQ and EPA standards including the EPA Surface Water Treatment Rules. Until this is demonstrated, WDEQ will evaluate future permits based on the well as the sole source of water during periods of high turbidity and may not issue a permit to construct on development above its current capacity.

If you have any questions, please contact me at (307) 473-3469 or [jason.vreeland@wyo.gov](mailto:jason.vreeland@wyo.gov) or Karen Farley at (307)473-3478 or [karen.farley@wyo.gov](mailto:karen.farley@wyo.gov).

Sincerely,



Jason Vreeland, P.E.  
Assistant Northeast District Engineer  
WDEQ/WQD

cc: IPS  
WDEQ Casper File  
Mayor Robert Wood, Town of Dayton, P.O. Box 100, Dayton, WY 82836



# Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

## NOTIFICATION OF COVERAGE

August 31, 2012

Robert Wood  
Town of Dayton  
P.O. Box 100  
Dayton, WY 82836

RE: Leopard Rock Subdivision Sewer and Water  
Application No. 12-236, Sheridan County

Dear Mr. Wood:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems and Existing Sewage Collection Systems, consisting of approximately 275 feet of 8 inch PVC water line, 780 feet of 8 inch PVC sanitary sewer line, and the installation of 1 hydrant, located in the SE ¼, Section 32, Township 57N, Range 86W, Sheridan 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 facility in accordance with **Chapter 11 and Chapter 12** of the Water Quality Division Rules and Regulations (WWQRR), 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. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2014**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

Karen Farley, P.E.  
NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
Emerson Scott III, P.E., Environmental and Civil Solutions, LLC., 371 Coffeen Ave., Sheridan, WY 82801

Cheyenne  
122 West 25<sup>th</sup> Street 82002  
(307) 777-7937

Lander  
510 Meadowview Drive 82520  
(307) 332-3144

Sheridan  
2100 W. 5<sup>th</sup> Street 82801  
(307) 673-9337





# Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

John Corra, Director

July 25, 2012

Emerson Scott III, P.E.  
Environmental and Civil Solutions, LLC.  
371 Coffeen Avenue  
Sheridan, WY 82801

RE: Leopard Rock Subdivision Sewer and Water  
Location: SE ¼, Section 32, T. 57N, R. 86W, Dayton, WY  
WDEQ Application #12-236

Dear Mr. Scott:

We have completed our review of your response to comments submitted on July 19, 2012. Attached you will find a summary of additional information required to complete our review. Please provide the information requested as soon as possible. Please feel free to contact Jason at (307) 473-3469 or Karen at (307) 473-3478 should you have any questions related to these comments or the application and review process.

Sincerely,

Jason Vreeland, P.E.  
Assistant Northeast District Engineer  
WDEQ/WQD

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

Attachments: WDEQ Comments

cc: Ken Muller, P.E., Sheridan County Public Works, 224 South Main Street, Suite B8, Sheridan, WY 82801  
Johann Nield, Town of Dayton, P.O. Box 100, Dayton, WY 82836  
IPS  
WDEQ File



**REVIEW OF PLANS & SPECIFICATIONS**  
**WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**WATER QUALITY DIVISION**  
**152 North Durbin Street, Suite 100**  
**Casper, Wyoming 82601**  
**Phone (307) 473-3465**

**PROJECT:** Leopard Rock Subdivision Sewer and Water

**LOCATION:** Sheridan, Wyoming

**ENGINEER:** Emerson Scott III, P.E.

**APPLICANT:** Town of Dayton

**WATER QUALITY DIVISION APPLICATION NUMBER: 12-236**

**DATE ON PROPOSAL/PLANS/REPORT:** July 17, 2012

**DATE RECEIVED BY DEQ:** July 19, 2012

**DATE OF THIS REVIEW:** July 25, 2012

**WDEQ REVIEWER:** Jason Vreeland, P.E., Karen L. Farley, P.E.

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

**WDEQ COMMENTS**

**Water System Comments**

- 1) Comment #2 – We understand that a 435 gpm pump was placed into the well. This, however, does not provide any solid basis to be able to state that the well can provide 400 gpm. We have not been provided the necessary information to determine the capabilities of this well. Please provide data and an analysis of this data to support the reported production of the well. This data must be from either the well being pumped/metered at a constant rate for a long period of time,

or from a long term aquifer test.

- 2) Comment #3 – Please provide current hydrant flow test data from the two hydrants adjacent to the proposed development. In addition, please show the locations of these two hydrants on the construction drawings. And finally, please comment on whether or not the new development will have the required fire protection. A statement from the local fire officials or fire marshall should be provided.
- 3) Comment #4 – It is still not clear how the system was modeled. The fire hydrant was modeled at a pressure of 71 psi. This appears to be the static pressure at this location. What is the residual pressure at this hydrant during a flow test? Is the existing hydrant capable of sustaining a residual pressure of 58 psi when flowing at 1,000 gpm?
- 4) Please provide confirmation that the proposed flushing hydrant will be able to provide the required 2.5 fps in the main being flushed.

#### **Sanitary Sewer Collection System Comments**

- 1) Comment #1 – We understand that Johann has a great deal of knowledge concerning this system but the statement that the system has excess capacity and able to accommodate flows is not sufficient. Please provide the existing and available capacity of the sewer collection line in S. Fork Avenue as well as other downstream lines.
- 2) The new sanitary sewer line is shown to be tying in to the existing manhole in S. Fork Avenue. Please clarify this on the drawings and provide information on the existing manhole and collection line.

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

PROJECT: Glenrock North 3<sup>rd</sup> Street Improvements

LOCATION: Section 5, T33N, R75W, **Converse County**

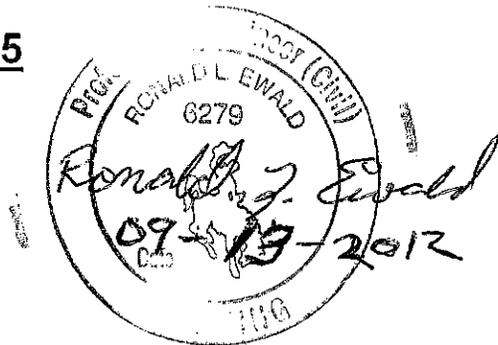
ENGINEER: Thomas Brauer  
Civil Engineering Professionals, Inc.  
6080 Enterprise Drive  
Casper, Wyoming 82609  
Ph: (307) 266-4346

APPLICANT: Town of Glenrock  
Attn: Dave Andrews, Public Works Director  
219 South 3<sup>rd</sup> Street  
Glenrock, Wyoming 82637  
Ph: (307) 436-9294

**WATER QUALITY DIVISION REFERENCE #: 12-235**

REVIEWING ENGINEER: Ronald L. Ewald  
Phone: (307) 777-6183  
email: [ron.ewald@wyo.gov](mailto:ron.ewald@wyo.gov)

DATE OF 2<sup>nd</sup> REVIEW: September 13, 2012



**ACTION:** **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 14 (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 9. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

## COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Fire Hydrant Leads Crossing Sewer Main with No Clearance - the "Typical Water Main Lowering Detail" that was submitted was reviewed. Since a water main is being deflected under a sewer main secondary protection is required; such as a sleeving pipe, or flow fill encasement. Secondary protection is required whenever a water main crosses under a sewer main, no matter what the vertical clearance is (even if it is more than 18"). The next question is, will the Town of Glenrock approve of deflecting the fire hydrant leads. As a suggestion to eliminate these crossing problems, why not locate the fire hydrants on the other side of the street so there will be no water/sewer fire hydrant lead crossing? If moving the fire hydrants is not acceptable, then please provide details that account for the secondary protection requirement.
2. Water Main Valves - OK now. Thank You.
3. No Detail Sheets Provided - OK now. Detail Sheets provided as needed. (except as commented in #1 above)
4. No Horizontal Station Locations Included on Plans - there are no Station location values [like STA 13+39] for anything on the plans. Not for the MH locations, FH locations, water main Tee locations, or anything else. This information needs to be on any DEQ approved plans. Especially the MH's & FH's.
5. Plans Marked "AGENCY REVIEW DOCUMENTS - NOT FOR CONSTRUCTION": What does this mean? - Does this mean that a different set of non DEQ approved plans will be used by the contractors & installers? The WQD reviews applications for "Permits to Construct", not applications for Permits to Not Construct. Please explain.

**END OF REVIEW**

RLE/rm/12-0835



# Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

July 9, 2012

William Mentock, P.E.  
Environmental and Civil Solutions, LLC.  
1658 S. Sheridan Avenue  
Sheridan, WY 82801

RE: Leopard Rock Subdivision Sewer and Water  
Location: SE ¼, Section 32, T. 57N, R. 86W, Dayton, WY  
WDEQ Application #12-236

Dear Mr. Mentock:

We have completed our review of the permit application submitted on May 31, 2012. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

Jason Vreeland, P.E.  
Assistant Northeast District Engineer  
WDEQ/WQD

Attachments: WDEQ Comments

cc: Ken Muller, P.E., Sheridan County Public Works, 224 South Main Street, Suite B8, Sheridan, WY 82801  
Johann Nield, Town of Dayton, P.O. Box 100, Dayton, WY 82836  
IPS  
WDEQ File



**REVIEW OF PLANS & SPECIFICATIONS**  
**WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**WATER QUALITY DIVISION**  
**152 North Durbin Street, Suite 100**  
**Casper, Wyoming 82601**  
**Phone (307) 473-3465**

**PROJECT:** Leopard Rock Subdivision Sewer and Water  
**LOCATION:** Sheridan, Wyoming  
**ENGINEER:** William Mentock, P.E.  
**APPLICANT:** Town of Dayton

**WATER QUALITY DIVISION APPLICATION NUMBER: 12-236**

DATE ON PROPOSAL/PLANS/REPORT: May, 2012

DATE RECEIVED BY DEQ: May 31, 2012

DATE OF THIS REVIEW: June 19, 2012

WDEQ REVIEWER: Jason Vreeland, P.E.

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

**WDEQ COMMENTS**

**Water Distribution System Comments**

- 1) Chapters 12, Section 6(a) – The design report indicates the water treatment plant processes 130,000 gpd during the winter months and that the wastewater treatment plant averages between 35,000 and 40,000 gpd. Please explain the reason for the large difference in flow rates.

- 2) The design report indicates that the Town is supplied by a surface water treatment plant as well as groundwater. It is our understanding that during periods of high turbidity the water treatment plant cannot process surface water. During this time the sole source of water is supplied by the water well. Please indicate the capacity of the system when it is supplied by only the water well. Further, the design report indicates that the well has a capacity of 400 gpm. Please provide data/information to justify a 400 gpm sustained flow. Information provided by the Town required for the construction of Dayton Well No.1 appears to indicate a much lower capacity, although the data is not clear enough to show the actual capacity of the system.
- 3) Chapters 12, Section 6(a) – Please explain the purpose of the installation of the 8 inch waterline when an existing 8 inch waterline is already located across the roadway. Also, please provide any hydrant test data from the two hydrants adjacent to the proposed development.
- 4) Chapters 12, Section 14(b)(i) – The system was modeled using a hydrant to establish the static pressure of the system. Please explain how the model was calibrated to establish the existing residual pressures in the system.
- 5) Chapters 12, Section 7(c)(ii) – Please indicate the DR or pressure class on the plan set for the water line pipe.
- 6) Chapters 12, Section 7(c)(iv) – Sheet W01, the waterline appears to cross an existing waterline. Please show this crossing in the profile.
- 7) Chapters 12, Section 14(b)(6) – Please indicate the size of the existing waterline crossing lot 3 and if this line could be connected to the proposed 8 inch line to loop the system.

#### **Sanitary Sewer Collection System Comments**

- 1) Chapters 11, Section 6(b)(iii) – The design report notes that the sewage collection line in South Fork Avenue has excess capacity and will be able to accommodate the additional flows. Please provide the existing and available capacity of this line.
- 2) Chapters 11, Section 9(c)(iii) – Please clarify the need for 8 inch sanitary sewer lines for residential properties and if large flows or flat slopes are expected.
- 3) Chapters 11, Section 7(b)(iv) – Sheet SS01, the waterline appears to cross the sanitary sewer at approximately 5+30. Please show this water crossing on the profile.
- 4) Chapters 11, Section 7(b)(ii) – Please indicate the type of PVC pipe to be used for the construction of the sanitary sewer.
- 5) Sheet D01, the sanitary sewer manhole detail calls for the installation of a manhole lid with the words “CITY OF SHERIDAN” cast on the lid. Please address.



# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

September 4, 2012

### Town of Chugwater

Attn: Steven Kelley, Director of Public Works  
248 2<sup>nd</sup> Street  
P.O. Box 243  
Chugwater, WY 82210

RE: Town of Chugwater USDA Water & Sanitary Sewer Improvements,  
Application No. **12-237, Platte County**

Dear Mr. Kelley:

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** consisting of extending approximately 1,050 lineal feet of 6-inch water main and **Existing Sewage Collection Systems** consisting of extending approximately 1,100 lineal feet of sanitary sewer main located in the **Section 30, T21N, R66W, Platte County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

1. Section 2665 E.6 – Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by September 4, 2017.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

|  |   |   |   |  |  |   |
|--|---|---|---|--|--|---|
| ADMIN/OUTREACH<br>(307) 777-7768<br>FAX 777-7682 | ABANDONED MINES<br>(307) 777-8145<br>FAX 777-6482 | AIR QUALITY<br>(307) 777-7391<br>FAX 777-5616 | INDUSTRIAL SITING<br>(307) 777-7369<br>FAX 777-6937 | LAND QUALITY<br>(307) 777-7768<br>FAX 777-5864 | SOLID & HAZ. WASTE<br>(307) 777-7752<br>FAX 777-5973 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-5973 |
|--|---|---|---|--|--|---|



Please reference Application No. **12-237** in any future correspondence.

If you have any questions, please contact me at either [seth.tourney@wyo.gov](mailto:seth.tourney@wyo.gov) or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.  
Southeast District Engineer  
Water Quality Division

SWT/rm/12-0804

Enclosures: Certificate of Completion form

cc: IPS  
Tim Eisenhauer, Baker & Associates, Inc., 1401 East M, Torrington, Wyoming 82240



# Department of Environmental Quality

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



Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 13, 2012

Kevin Thibeault, Facilities Manager  
Teton County School District Number One  
P.O. Box 568  
Jackson, WY 83001

RE: Teton County School District Administration Building  
DEQ Permit #12-238  
Located in Teton County; S1/2, NE1/4, S6, T40 N, R116W

Dear Mr. Thibeault,

This project consists of the construction of approximately 710 linear feet of 8 inch ductile iron pipe water main for the new administration building.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 12 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct, the facility in accordance with the the materials submitted in your application package and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems. Construction shall be completed by October 31, 2014

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

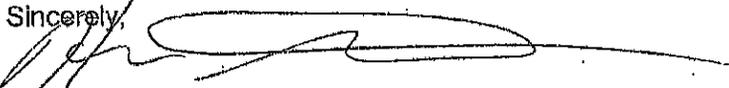
These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

If you have any questions, please contact Hannes Stueckler at 307-335-6964 or James Brough at 307-335-6961.



Sincerely,



Hannes E. Stueckler, P.E.  
Assistant Northwest District Engineer  
Water Quality Division

xc: PDF to Cheyenne  
Brian Lenz P.E., Jorgensen Associates, P.O. Box 9550, Jackson, WY 83002

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 12-239

Prater Springs Re-Development  
Public Water System Number WY5600287

This permit hereby authorizes the applicant:

Boyd Siddoway  
Town of Star Valley Ranch  
HCR 62 P.O. Box 7007  
Star Valley Ranch, WY 83127

to construct public water supply source with a design flow of 1,100 gpm consisting of a spring collection box, collection piping and a concrete cutoff wall according to the procedures and conditions of the application number 12-239. The facility is located approximately 2 miles northeast of The Town of Star Valley Ranch within NE ¼ Section 29, T35N, R118W at Lat: 42.9972° and Long: -110.9402° in the county of Lincoln, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by July 13, 2014.

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.

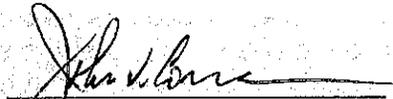
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 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 Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
  
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

*Rich Eise*  
For

John F. Wagner  
Administrator  
Water Quality Division



John V. Corra  
Director  
Department of Environmental Quality

7-23-12  
Date of Issuance

MDB/rm/12-0652

cc: Dennis Shay Smith, P.E., Forsgren Associates Inc., 849 Front Street, Suite 201, Evanston, WY 82930

## STATEMENT OF BASIS

1. Permit Number: 12-239
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?  
Yes.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.  
Not Required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark Baron P.E. Southwest District Engineer, mark.baron@wyo.gov and completed on July 13, 2012. 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. 12-240

New \_\_\_\_\_  
Renewal \_\_\_\_\_  
Modified X

Plains Cheyenne Terminal, Cheyenne WY: Additional Monitoring Wells and Connection to SVE System

This permit hereby authorizes the applicant:

Plains All American  
PO Box 4648  
Houston, TX 77210

to construct, install or modify up to six (6) monitoring wells and potential connection to the existing soil vapor extraction (SVE) system according to the procedures and conditions of the application number 12-240. The facility is located in SE Section 12; T13N; R67W in the county of Laramie, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2012.

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 operator.

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

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

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

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

Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and

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 12 The applicant will provide immediate oral or written notice to the DEQ/WQD Groundwater Pollution Control 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 12 No monitoring wells/air sparging points/SVE wells shall be abandoned without prior approval from the Water Quality Division. After the monitoring wells/air sparging points/SVE wells have fulfilled their purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements.
- 3 of 12 Final "As-Built" construction drawings shall be submitted for the monitoring wells and system expansion.
- 4 of 12 The system performance monitoring plan (i.e., sampling and monitoring frequencies, parameter lists, operating flow rates and vacuums, etc.) provided on p.20-21 of the "Subsurface Investigation/Corrective Action Plan" (Delta Environmental Consultants, Inc., July 19, 1996) shall be adhered to unless modified in writing by WQD.
- 5 of 12 The proposed groundwater monitoring plan provided on Proposed Sampling and Analysis Modification (Fremont Environmental, March 12, 2012) shall be adhered to unless modified in writing by WQD.
- 6 of 12 WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of wells/air sparging points/SVE wells and sample collection so that they may be on site if deemed necessary.
- 7 of 12 The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
- 8 of 12 The results of any other analyses conducted on soil or water removed from these wells/air sparging points/SVE wells or boreholes shall be provided to the department as soon as they are available.
- 9 of 12 Environmental Monitoring Program for Groundwater of the State:

- a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.
- b. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
- c. Records of monitoring information shall include:
  - i. The date, exact place, and time of sampling or measurements;
  - ii. The name(s) of individual(s) who performed the sampling or measurements;
  - iii. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing;
  - iv. Sampling procedures and sample preservation accomplished;
  - v. The date(s) analyses were performed;
  - vi. Names of individuals who performed the analyses;
  - vii. The analytical techniques or methods used;
  - viii. The results of such analyses, and;
  - ix. Monitor wells shall be sampled and the groundwater analyzed as indicated on the following table:

| WELL NAME OR NUMBER | SAMPLING FREQUENCY | EPA ANALYTICAL METHOD(S) | PARAMETER(S) ANALYZED | PERMIT TIME |
|---------------------|--------------------|--------------------------|-----------------------|-------------|
|---------------------|--------------------|--------------------------|-----------------------|-------------|

| WELL NAME OR NUMBER  | SAMPLING FREQUENCY | EPA ANALYTICAL METHOD(S) | PARAMETER(S) ANALYZED              | PERMIT LIMIT        |
|--|--------------------|--------------------------|------------------------------------|---------------------|
| MW 1, 2, 12, 20, 22, 29-31, 45-47, 49, 57  | Annual             | 8260<br>8015             | Benzene<br>Toluene<br>Ethylbenzene | 0.005<br>1.0<br>0.7 |
| MW 3-6, 8, 9, 13-15, 19, 21, 28, 32-34, 36-38, 43, 51, 52, 56, 58, 11-WY, 12-WY, 13-WY | Semi-Annual        |                          | Xylene<br>TPH-GRO                  | 10<br>7.3           |
| MW 7, 10, 16, 23-27, 35, 36, 41, 42, 48, 50, 53-55                                     | Quarterly          |                          |                                    |                     |

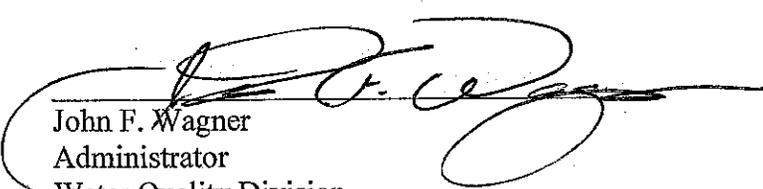
\*Permit Limits (i.e. Groundwater Protection Standards) are only required for compliance monitoring wells. All chemical concentrations in this permit are expressed in mg/l unless otherwise noted.

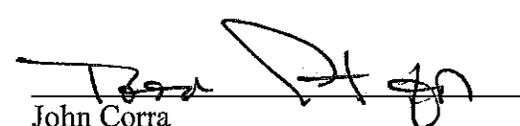
10 of 12 The results of these analyses shall be submitted to the Cheyenne office at the following address: Groundwater Pollution Control Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002 in an annual monitoring report to be received no later than 45 days from the beginning of each year (February 14).

11 of 12 The issuance of WQDs Permit to Construct is contingent of WDEQ/AQD's continued approval of hydrocarbon emissions from the SVE/AS Systems based on quarterly monitoring.

12 of 12 The SVE/AS Systems shall be operated continuously, except during routine maintenance. If the system is turned off for more than 3 days for reasons other than for routine maintenance, WQD, Cheyenne, shall be notified verbally, and the problem shall be documented. If Rocky Mountain Pipeline Products proposes to vary the operation of the Systems, Rocky Mountain Pipeline Products shall submit a formal written request with supporting reasons to WQD.

AUTHORIZED BY:

  
 John F. Wagner  
 Administrator  
 Water Quality Division

  
 John Corra  
 Director  
 Department of Environmental Quality

6-18-12  
 Date of Issuance

AND/bb/12-0538

STATEMENT OF BASIS FOR A PERMIT TO CONSTRUCT

I. General information.

A. Permit Number: 12-240

B. Facilities Covered: Plains All American Monitoring Wells and SVE Expansion

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

|    |            |     |    |            |    |
|----|------------|-----|----|------------|----|
| A. | Chapter 8  | Yes | D. | Chapter 12 | No |
| B. | Chapter 9  | No  | E. | Chapter 13 | No |
| C. | Chapter 11 | Yes | F. | Chapter 16 | No |

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

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

Yes

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

No

IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation).

Not Applicable

V. Application requires review to determine groundwater impacts in accordance with Wyoming Water Quality Rules and Regulations, Chapter 3, Section 17. Note that sediment ponds, public water supplies, sewerage systems, and small wastewater systems are exempt from the requirements of Section 17. (Indicate either applicable or not applicable. If not applicable delete all of section VI from the Statement of Basis).

Applicable. Permit to construct will allow further delineation and possibly more treatment of the groundwater plume.

VI. Documentation of Statement of Basis.

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

VII. Applicant and Public Participation

Not Applicable

**CERTIFICATION**

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Wyoming Water Quality Rules and Regulations, Chapter 11, Part G. This review was performed by Adrienne D. Nunn, P.E., Project Engineer, completed on June 11, 2012. 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".

AN/bb/12-0538

STATE OF WYOMING  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
UNDERGROUND INJECTION CONTROL PERMIT ISSUED UNDER  
WYOMING WATER QUALITY RULES AND REGULATIONS  
CHAPTER 16

CLASS V INJECTION WELL

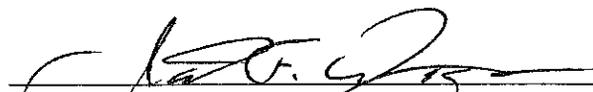
( ) New Permit Number 12-241, Type 5F2  
(X) Modified UIC Facility Number WYS-033-132  
(X) Renewed Reference Permit Number 04-479, Type 5C5

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.

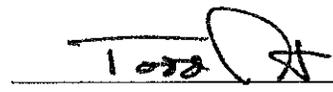
Applicant: Storm Cat Energy  
1175 17<sup>th</sup> St., Suite 2310  
Denver, CO 80202  
(605) 721-2909

Storm Cat Energy, hereafter referred to as the permittee, is authorized to operate the proposed Class V (5F2) Subsurface Drip Irrigation (SDI) Project known as the Perry Subsurface Irrigation System in Section 26, Township 56 North, Range 83 West, 6th Principal Meridian, Sheridan County, according to the procedures and conditions of application 04-479 and requirements and other conditions of this area permit.

This permit shall become effective on date of issuance.

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

3/2/13  
\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Todd Parfitt, Director  
Department of Environmental Quality  
Herschler Building, 122 West 25<sup>th</sup> Street  
Cheyenne, WY 82002

3/7/13  
\_\_\_\_\_  
Date

UM/rm/13-0212

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## **A. Discharge Zone**

The Perry Subsurface irrigation System is authorized to inject into the Wasatch Formation which is found at the surface at this location and adjacent to Prairie Dog Creek in Sheridan County.

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

The facility authorized by this permit is located in:

Township 56 North, Range 83 West, 6th Principal Meridian.  
Section 26

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

Township 56 North, Range 83 West, 6th Principal Meridian  
Sections 26 (all); Section 25 (W1/2); Section 27 (E1/2); Section 34 (NE1/4);  
Section 35 (N1/2); Section 36 (NW1/4).

## **C. Groundwater Classification**

Five monitor wells were installed in the project area, all of which were used to characterize the groundwater. Water quality analyses indicate the groundwater beneath the proposed operation is Class IV in accordance with Wyoming Water Quality Rules and Regulations, Chapter 8. Ambient water quality exceeds Class I, Class II and Class III standards (Table 1- Chapter 8) in all groundwater quality samples.

## **D. Authorized Operations**

The permittee is authorized to irrigate crops with 1.1 million gallons per day of produced coalbed methane water through the Perry Subsurface irrigation System. The produced water originates from the Monarch, Carney, Smith-Anderson, and Dietz coal seams in the vicinity of Prairie Dog Creek. Water migrating from the drip irrigation system shall not enter into Prairie Dog Creek or any of its tributaries.

## **E. Hazardous Waste**

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

## **F. Proper Operation and Maintenance**

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

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

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

### **G. Entry and Inspection**

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

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

#### General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Department.
4. 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.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
6. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified decommissioning procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.

7. The permittee shall report any noncompliance which may endanger health or the environment within 24 hours from the time the operator becomes aware of the circumstances. The report should include:
  - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
  - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;
  - c. A written submission shall be provided within 5 days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.
9. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 30 days following each schedule date.

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

1. The permittee shall monitor the quantity and quality of the injected fluid on the schedule listed in Table 2 below.
2. The permittee shall visually inspect all ephemeral drainages in the project area for surface seepage associated with this project. These inspections shall occur on a quarterly basis and be reported on an annual basis. If any surface seepage is detected, the permittee shall notify a representative of the Water Quality Division Groundwater Program immediately at (307) 673-9337.
3. The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in Table 3.

**Table 2 (Injected Fluid Sampling Schedule)**

| Sampling Schedule | Reporting Schedule      | Parameter Analyzed  | Analytical Method  | Permit limit or UCL   |
|-------------------|-------------------------|---|--|---|
| Annual            | Annual<br>Due Date 2/15 | Total Volume discharged during the quarter                        | Duration of flow, pressure and valve capacity, or flow meter | None, to facilitate AOR recalculation                       |
| Quarterly         | Annual<br>Due Date 2/15 | Maximum Volume discharged in a single day                         | Duration of flow, pressure and valve capacity, or flow meter | The volume of flow shall not exceed 1.1 million gallons/day |
| Annual            | Annual<br>Due Date 2/15 | Total Dissolved Solids (sample to be collected at the pump house) | EPA 160.1  | 10,000 mg/L   |

**Table 3 (Groundwater Sampling Schedule)**

| Well Name or Number                       | Sampling Schedule | Reporting Schedule   | Parameter Analyzed          | Analytical Method                        | Permit Limit                                       |
|---|-------------------|----------------------|-----------------------------|--|--|
| MW6-26B, MW2-35C, MW4-26, MW14-26, MW6-26 | Annual            | Annual Due Date 2/15 | Depth to static water (ft.) | Steel tape with chalk or electronic tape | None (tracking purposes: surface water protection) |
| MW6-26B, MW2-35C, MW4-26, MW14-26, MW6-26 | Annual            | Annual Due Date 2/15 | Total Dissolved Solids      | EPA 160.1                                | 10,000 milligrams/liter                            |

All chemical parameters listed in this permit are expressed in mg/L unless otherwise noted. The permittee shall use the above listed analytical methods unless an alternate method is first approved by the Water Quality Division.

Failure to perform and report analyses in accordance with the prescribed schedule and method is 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 well covered by this permit.

**L. Permit Actions**

This permit is authorized 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. It shall not

be a defense for the permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. The filing of a request by the permittee, or at the instigation of the Administrator, for permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

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

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

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

#### **M. Abandonment**

General Requirements:

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

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

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

If any cultural materials are discovered during construction, work in the area should halt immediately. The Administrator and the Wyoming State Historic Preservation Office shall be contacted (777-7697) and the materials shall be evaluated by an archaeologist or historian meeting the Secretary of the Interior's Professional Qualification Standards (48 FR 22716, Sept. 1983).

### **O. Signatories Requirement**

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

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

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

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

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

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

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

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

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

### **P. Noncompliance**

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

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

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

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

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

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

#### **S. Severability**

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

## STATEMENT OF BASIS FOR A UIC PERMIT

### I. General information.

A. Permit Number: 12-241 (reference permit 04-479)

B. Facilities Covered: The Storm Cat Energy, Perry Subsurface Irrigation System is located adjacent to Prairie Dog Creek in Sheridan County, Wyoming. This facility will irrigate crops with coproduced coal bed methane water into alluvium, colluvium above the Wasatch Formation at depths up to 10 feet. The system is designed to inject up to a capacity of 1.1 million gallons per day. Because of the nature of this water, the permit has been written to allow up to this capacity.

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

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

A. Chapter 8      Yes

D. Chapter 12      No

B. Chapter 9      No

E. Chapter 13      No

C. Chapter 11      Yes

F. Chapter 16      Yes

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

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

Yes

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

No

### IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)

NOT Applicable

V. Application requires review to determine groundwater impacts in accordance with Wyoming Water Quality Rules and Regulations Chapters 8 and 16. Groundwater beneath this proposed facility is classified as a Class IV. Groundwater monitoring is proposed for this site to protect groundwater and surface water. This permit provides for a total flow capacity of 1.1 million gallons per day.

VI. Documentation of Statement of Basis.

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

VII. Applicant and Public Participation

A. The applicant has been provided with a draft permit prior to the permit being issued.

B. A Public Notice has been issued with a public notice period starting September 19, 2012 and ending on October 18, 2012. (Thirty day notice is required by Chapter 16.) This notice was published in the Sheridan Press on or before the start of the public comment period.

CERTIFICATION

The issuance of this permit is based upon a five-year review of the permit monitoring data and compliance record. In accordance with the requirements of Section 5, Chapter 16, Wyoming Water Quality Rules and Regulations. This review was performed by Ursula Williams, P.G # 1503, Groundwater Program, North District Geological Project Analyst, and completed on May 17, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the five-year review 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. 12-242

REFERENCE PERMIT NO. N/A

Magnablend Fire Service Line

This permit hereby authorizes the applicant:

Levi McDonald, Plant Manager  
Magnablend, Inc.  
P.O. Box 339  
Mills, WY 82644

to construct, install, and/or modify the Magnablend fire service line, including construction of one fire hydrant and fire service line including booster pump and associated new water lines according to the procedures and conditions of the application number 12-242. The facility is located in the NW ¼ of Section 2, Township 33 North, Range 80 West, further located in the Town of Mills in Natrona County, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2013.

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

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

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

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

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

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

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

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

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

1 of 4

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

2 of 4

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

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

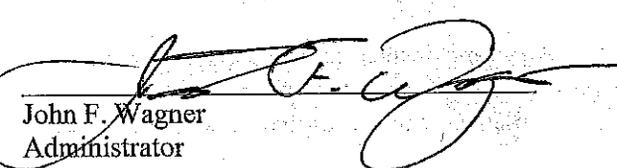
3 of 4

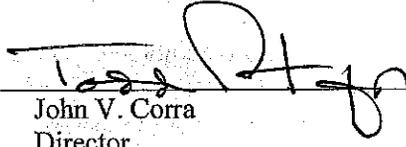
Within thirty days of completion of construction of the authorized facility, the Engineer of Record will submit two (2) complete copies of the Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY 82601.

4 of 4

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

AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

6-19-12  
Date of Issuance

JRV/rm/12-0554

cc: Lewis James, P.E., JKC Engineer, 5830 East 2<sup>nd</sup> Street, Casper, WY 82609

## STATEMENT OF BASIS

1. Permit Number: **12-242**
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 Jason Vreeland, P.E., and completed on June 19, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



# Department of Environmental Quality

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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 13, 2012

Rich Bloom, President  
Melody Ranch HOA  
P.O. Box 4337  
Jackson, WY 83001

RE: Melody Ranch Balsam Lane Lift Station Grinder Project  
DEQ Permit #12-243  
Located in Teton County, SE ¼, NE ¼, S32, T41N, R116 W

Dear Mr. Bloom,

This project consists of the retrofit of an existing lift station to accommodate a 3 hp sewage grinder unit.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11 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 and the General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility. Construction shall be completed by 12-243

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

If you have any questions, please contact Hannes Stueckler at 307-335-6964 or James Brough at 307-335-6961.

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

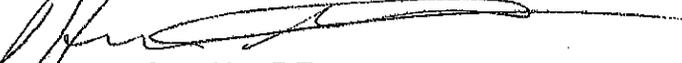
LAND QUALITY  
(307) 332-3047  
FAX 332-7726

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

WATER QUALITY  
(307) 332-3144  
FAX 332-7726



Sincerely,



Hannes E. Stueckler, P.E.  
Assistant Northwest District Engineer  
Water Quality Division

xc: PDF to Cheyenne  
David A. Dufault, PE, Nelson Engineering, P.O. Box 1599, Jackson, WY 83001



# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

August 8, 2012

**Rawstone Development, Inc.**  
Attn: Warren Greaser  
1267 North 15<sup>th</sup> Street, Suite 101  
Laramie, WY 82072

RE: Coughlin-Pole Mountain Third Addition, 5<sup>th</sup> Filing  
Application No. **12-244, Albany County**

Dear Mr. Greaser:

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** consisting of extending approximately 1400 lineal feet of water main and **Existing Sewage Collection Systems** consisting of extending approximately 1400 lineal feet of sanitary sewer main located in the **Southeast 1/4, Section 27, T16N, R73W, Albany County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

1. Section 2665 E.6 – Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by August 8, 2017.

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

|  |   |   |   |  |  |   |
|--|---|---|---|--|--|---|
| ADMIN/OUTREACH<br>(307) 777-7758<br>FAX 777-7682 | ABANDONED MINES<br>(307) 777-6145<br>FAX 777-6482 | AIR QUALITY<br>(307) 777-7391<br>FAX 777-5616 | INDUSTRIAL SITING<br>(307) 777-7369<br>FAX 777-8937 | LAND QUALITY<br>(307) 777-7756<br>FAX 777-5864 | SOLID & HAZ. WASTE<br>(307) 777-7752<br>FAX 777-5973 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-5973 |
|--|---|---|---|--|--|---|



This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Please reference Application No. **12-244** in any future correspondence.

If you have any questions, please contact me at either [seth.tourney@wyo.gov](mailto:seth.tourney@wyo.gov) or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.  
Southeast District Engineer  
Water Quality Division

SWT/rm/12-0727

Enclosures: Certificate of Completion form

cc: IPS  
Cal Van Zee, City of Laramie, P.O. Box C, Laramie, Wyoming 82073  
Roger Strube, DOWL HKM, 1575 N 4<sup>th</sup> Street, Suite 105, P.O. Box 70, Laramie, Wyoming 82073



# Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

## NOTIFICATION OF COVERAGE

June 21, 2012

Kit Doornink  
P.O. Box 956  
Sundance, WY 82729

RE: Doornink Small Wastewater System  
Application No. 12-245, Crook County

Dear Mr. Doornink:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,500 gallon Boom concrete septic tank discharging into two ADS Arc 36 chamber trenches of approximately 14 chambers each, for a four bedroom home located in the SW ¼, Section 34, Township 51N, Range 65W, Crook 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 facility in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2013**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.
2. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
Tim Lyons, Crook County Growth and Development





# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

**August 9, 2012**

### United States Bureau of Reclamation

Coleman Smith  
P.O. Box 1630  
Mills, WY  
82644

RE: Guernsey State Park – Museum Sewer System,  
Application No. **12-246, Platte County**

Dear Mr. Smith:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility** consisting of a 1000 gallon, two compartment, concrete septic tank discharging into about 53 feet of chamber type trench leachfield divided into two equal length trenches lines of about 27 feet each for a visitor's center with less than 25 visitors per day, located in the **E½SW¼, Section 22, T27N, R66W, Platte County** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **August 9, 2015.**

1. 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.
2. Variance allowed from the leachfield to be located thirty (30) feet away from the shallow roadside drainage ditch due to existing pine trees and historic trails.

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|  |   |   |   |  |  |   |
|--|---|---|---|--|--|---|
| ADMIN/OUTREACH<br>(307) 777-7768<br>FAX 777-7882 | ABANDONED MINES<br>(307) 777-8145<br>FAX 777-8482 | AIR QUALITY<br>(307) 777-7391<br>FAX 777-5816 | INDUSTRIAL SITING<br>(307) 777-7389<br>FAX 777-6937 | LAND QUALITY<br>(307) 777-7756<br>FAX 777-5884 | SOLID & HAZ. WASTE<br>(307) 777-7752<br>FAX 777-6973 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-6973 |
|--|---|---|---|--|--|---|



This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Please reference Application No. **12-246** in any future correspondence.

If you have any questions, please contact me at either [seth.tourney@wyo.gov](mailto:seth.tourney@wyo.gov) or by phone at (307) 777-7088.

Sincerely,

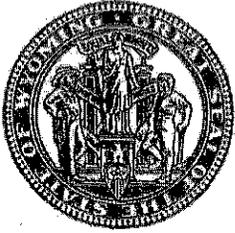


Seth Tourney, P.E.  
Southeast District Engineer  
Southeast District, Water & Wastewater Section  
Water Quality Division

SWT/rm/12-0737

Enclosures: Certificate of Completion

cc: IPS  
Lance Marrs, Wyoming State Parks and Cultural Resources, 2301 Central Avenue,  
Barret Bldg. 4<sup>th</sup> Floor, Cheyenne, WY 82002  
Platte County Planning Office, Reed Elmquist, PO. Box 728, Wheatland, WY 82201



# Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

July 12, 2012

Paul Kauchich, P.E.  
218 D. Street  
Rock Springs, WY 82901

RE: Rellance - Water Distribution Project - Permit Number 12-247, Sections 1&2, T19N, R105W, Sections 35&36, T20N, R105W, Sweetwater County

Dear Mr. Kauchich:

The above application for coverage under **General Permit to Construct** the extension of a **Public Water Supply System** consisting of about 505 linear feet (LF) of 6-inch, 977 LF of 8-inch and 7,901 LF of 12-inch water main in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

PDF to Cheyenne  
Shawn M. Arnold, P.E., Choice Engineering Services, Inc., 404 N. Street, Suite 210,  
Rock Springs, WY 82901





# Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

## NOTIFICATION OF COVERAGE

June 21, 2012

Greg Henderson  
P.O. Box 150  
Beulah, WY 82712

RE: Henderson Small Wastewater System  
Application No. **12-248, Crook County**

Dear Mr. Henderson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon Ace Roto-mold polyethylene septic tank discharging into one Biodiffuser Arc 36 chamber trench of approximately 14 chambers, for a two bedroom home located in the SE ¼, **Section 28, Township 52N, Range 61W**, Crook 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 facility in accordance with **Chapter 11, Part D** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2013.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.
2. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.

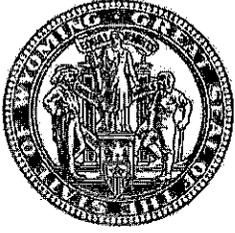
If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
Tim Lyons, Crook County Growth and Development





# Department of Environmental Quality

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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

June 22, 2012

Joe McPhee, VP and COO  
West Warm Springs Petroleum, LLC  
251 S. Thurman St.  
Sheridan, WY 82801

RE: Field Office for WWS Project  
DEQ Permit #12-249  
Located in Hot Springs County; NW1/4, SE1/4, T43N, R94W, S34; LAT. 43.38°54",  
LONG. -108.07°29"

Dear Mr. McPhee,

This project consists of the installation of a septic tank and drainfield to serve the office building.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11 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 and the General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility. Construction shall be completed by October 31, 2014

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

If you have any questions, please contact Hannes Stueckler at 307-335-6964 or James Brough at 307-335-6961.

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

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

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

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

WATER QUALITY  
(307) 332-3144  
FAX 332-7726



Sincerely,



Harnes E. Stueckler, P.E.  
Assistant Northwest District Engineer  
Water Quality Division

xc: PDF to Cheyenne  
Jason Todd PG, New Era Petroleum, 251 S. Thurmond St., Sheridan, WY 82801



# Department of Environmental Quality

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



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

## NOTIFICATION OF COVERAGE

June 20, 2012

Marco Schlomer  
4401 University Road  
Gillette, WY 82718

RE: Schlomer Small Wastewater System  
Application No. 12-250, Weston County

Dear Mr. Schlomer:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of two J&D Precast 1,000 gallon two compartment concrete septic tanks discharging into four trenches of eleven Biodiffuser ARC 24 chambers each, for a two bedroom home and shop located in the NW ¼, Section 5, Township 47N, Range 63W, Weston 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 facility in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2013**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.
2. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
Weston County Growth and Development, 1 West Main Street, Newcastle, WY 82701

