



# 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

November 15, 2011

Stephen Price, Director  
Spring Creek Improvement and Service District  
P.O. Box 4780  
Jackson, WY 83001

RE: Spring Creek ISD Meter Project. DEQ Permit #11-451, Teton County, Latitude 43.503056°, Longitude 110.771667°

Dear Mr. Price,

This project consists of the installation of meters on all Spring Creek water service lines. This permit specifically covers all meters two inches and over. Meters under two inches do not require a permit.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7, and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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  
Robert R. Norton, P.E., Nelson Engineering, P.O. Box 1599, Jackson, WY 83001

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



DH

11-456

Poison Creek #1

REM-002

PERMIT TRANSFER REQUEST

Date: 3-23-2010

Water Quality Division  
Department of Environmental Quality  
122 West 25th Street  
Herschler Building  
Cheyenne, WY 82002

To Whom It May Concern:

Merrion oil and Gas intends to transfer ownership of the facility  
(Original Owner)  
associated with Permit Number 03-330 to Richardson Operating Company  
(New Owner)

on 1/1/2010. It is requested that the said permit be transferred to the new owner in  
(Date)

accordance with Section 12 of Chapter 3, Wyoming Water Quality Rules and Regulations. The new owner agrees to accept and be bound by the provisions of the permit and any amendments, agrees to construct and operate the facility in accordance with the approved permit and agrees to accept responsibility for the facility's compliance with applicable standards and permit conditions, including the responsibility to perform any necessary corrective actions.

The original owner shall retain responsibility for the facility according to the terms of the original permit until the application for permit transfer is approved by the Administrator.

Please transfer the permit to the transferee's name and issue a modified permit reflecting the transfer of ownership. Terms and conditions of the original permit are transferred to and become the responsibility of the new owner.

T. Greg Merrion by CO  
Signature of Original Owner

D. J. B. [Signature]  
Signature of New Owner

Name MERRION OIL & GAS CORP

Name RICHARDSON OPERATING COMPANY

Address 610 REILLY AVENUE  
FARMINGTON, NM 87401

Address 4725 S. MONACO ST. SUITE 200  
DENVER, CO 80237

Telephone 505-324-5300

Telephone 303-830-8000

11-456



**RICHARDSON OPERATING COMPANY**

4725 S. Monaco St. Suite 200  
Denver, CO 80237  
(303) 830-8000 Fax (303) 830-8009



October 27, 2011

WY Department of Environmental Quality  
Lander Field Office  
Attn: Deborah Harris  
510 Meadowview Drive  
Lander, WY 82520

Poison Creek #1  
REM-002

Dear Ms. Harris,

Enclosed is a copy of the Permit Transfer Request from Merrion Oil & Gas to Richardson Operating Company for Permit Number 03-330. I have filed the original with the Cheyenne office of Environmental Quality. Please let me know if you have any questions or need any further information.

Regards,

Josh Axelson  
Geology/Engineering

Please send to  
Rebecca @ IPS for  
a new permit #  
Permit #. 0100  
Thanks,  
D



# Department of Environmental Quality

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Matt Mead, Governor

John Corra, Director

November 21, 2011

Mr. David Richardson  
Richardson Operating Company  
4725 S. Monaco St., Suite 200  
Denver, CO 80237

Re: **New Permit-to-Construct Number 11-456**  
(Replaces Permit-to-Construct Number 03-330)  
Permit transfer from Merrion to Richardson  
Poison Creek #1 Site, REM-006

Dear Mr. Richardson:

The Wyoming Department of Environmental Quality, Water Quality Division, Groundwater Pollution Control Program (GPC) received and processed your request for transfer of associated permit, 03-330 for the Merrion, Poison Creek #1 facility to Richardson, dated October 27, 2011, received on October 31, 2011. The new permit-to-construct number is 11-456. Terms and conditions of the original permit are transferred to and become the responsibility of the new owner.

If you have any questions regarding the permit transfer, new permit number, or permit responsibilities, you may contact me at (307)335-6980.

Sincerely,

Deborah Harris, PG  
Wyoming Department of Environmental Quality  
West District Supervisor  
WQD/GPC

cc: Mr. Josh Axelson, 4725 S. Monaco St., Suite 200, Denver, CO 80237  
Mr. Kevin Frederick, Groundwater Program Manager, WQD/Cheyenne  
Mr. Ken Schreuder, TriHydro, 350 Garfield, Lander, WY 82520  
Ms. Rebecca Martinez, IPS, Cheyenne  
File(2): Merrion Poison Creek #1, Fremont County, REM-006 / Chron





# 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

December 30, 2011

Darrin Tromble, P.E.  
WWC Engineering  
6000 East 2<sup>nd</sup> Street, Suite 1004  
Casper, WY 82609

RE: Reclamation and Post Reclamation Plan Woodland Park Sewer Lagoon Facility,  
Sheridan County, WY  
WDEQ Application #11-458

Dear Mr. Tromble:

We have completed our review of the permit application submitted on October 31, 2011. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact either Jason Vreeland at (307) 473-3469 or Karen Farley 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:  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**

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**PROJECT:** Reclamation & Post Reclamation Plan – Woodland Park Sewer Lagoon Facility

**LOCATION:** Sheridan County, Wyoming

**ENGINEER:** WWC Engineering

**APPLICANT:** Royal Elk Properties, LLC

**WATER QUALITY DIVISION APPLICATION NUMBER: 11-458**

**DATE ON PROPOSAL/PLANS/REPORT:** October, 2011

**DATE RECEIVED BY DEQ:** October 31, 2011

**DATE OF THIS REVIEW:** December 30, 2011

**WDEQ REVIEWER:** Jason Vreeland, P.E., Karen 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 REVIEW COMMENTS**

- 1) Chapter 11 is the governing chapter for the disposal of wastewater for this project, not Chapter 21 (reuse of wastewater). The water is not being re-used; it is being disposed of and it is assumed that it will be treated by the soils, so impacts to groundwater and a consideration of the type of soil and its ability to treat the wastewater must be completed. Please re-evaluate the wastewater disposal portion of this project utilizing Chapter 11 regulations.

- 2) Chapter 15 requires a determination of the cumulative pollutant loading, which cannot exceed the levels given in Table 2 of Section 14. Please provide these calculations. Please also take into account any contribution of pollutants by the wastewater that may eventually be land applied.
- 3) The design report states that portions of the existing wastewater system will be "...disposed of off-site in an appropriately permitted landfill." Has a landfill been identified, and if so, please provide confirmation that the landfill will accept the materials.
- 4) Do the two houses mentioned in the report (7 and 19 Dee Drive) have small wastewater systems (i.e., septic tanks and leachfields) and basements? If so, please consider the effects that pumping all of the remaining wastewater out onto the ground and allowing percolation may have on these properties.
- 5) The design report states that "Groundwater monitoring will be performed on a quarterly basis after reclamation until two consecutive results indicate that the concentrations of fecal coliform and ammonia are equal to or less than these concentrations." What if the concentrations are higher than the limits on the WYPDES permit?
- 6) A site plan or vicinity plan needs to be provided that shows the locations and distances to houses and neighborhoods.
- 7) Is 2008 the latest sampling of the monitor wells? If so, these should be sampled again, particularly the static water levels. It is recommended that the water levels be measured during spring run-off. The assumption that groundwater is 5-8 below the bottom of the proposed trenches must be verified.
- 8) The drawings submitted are stamped "DRAFT" – Permits to Construct will not be issued for DRAFT submittals.
- 9) Please comment on the long-term plan for the site – what is the intended use and how will the site be maintained? How will run-off from the site be addressed?



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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

November 9, 2011

John Voight  
P.O. Box 6  
Chugwater, WY 82210

RE: Voight - Sunrise 2-Plex, Custom Septic System,  
Transfer of Ownership,  
Location: NW¼ Section 7, T27N, R65W,

Application No. **11-459**  
Reference Permit # **11-101**  
Platte County

Dear Mr. Voight:

The above application for transfer of ownership for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1500 gallon, two compartment, concrete septic tank discharging into an out of original use, old clay tile 8" sewer main converted into an approximately 520 foot long customized small wastewater treatment and disposal line for a six bedroom total 2-plex located within the boundaries of the abandoned Sunrise Mine Townsite 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 application package #11-101. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. In carrying out the activities authorized by this Notification Of Coverage(NOC), the permittee, owner and/or operator shall comply with all of the following NOC conditions:

- 1 of 5. The applicant will provide immediate oral and/or written notice to the DEQ/WQD Southeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this NOC.
- 2 of 5. Plug Outflow Pipe in Man Hole #3 - the outflow pipe in Man Hole(MH) #3 which flows to MH #4 shall be plugged in such a manner as to prevent effluent flow from going down this pipe to MH #4. See condition drawing enclosed.
- 3 of 5. System Inspections and Reporting Required - periodic inspections (approx. every 6 months) shall be conducted at MH#1, MH#2, and MH#3 for standing effluent. A log shall be kept including the date of all inspections, if standing effluent is present or not in the bottom of the man hole (off to the side – not in the shaped flow channels), and an estimate of the depth if effluent is present. A copy of this log shall be sent to the DEQ/WQD Southeast District Office after three(3) years of observations.
  - a. If standing effluent is observed in MH#3, then MH#3 shall be re-inspected within 30 to 45 days.
  - b. If standing effluent is discovered in MH#3 again on the re-inspection, the WQD Southeast District Office shall be notified immediately.
  - c. The WQD will review and decide what, if anything, needs to be done. This could include:



- Continued monitoring at a specified schedule, or
- A directive from the WQD to submit an application for a "Permit to Construct" for the proposed alternative leachfield to be feed by effluent out of MH#3, or
- Some other, as yet undetermined solution.

4 of 5. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Southeast 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 NOC; 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**.

5 of 5. The review and approval of this NOC is based upon the items identified in the attached "Statement of Basis".

The approval granted under this Notification Of Coverage and the General Permit shall expire on October 31, 2011. Please reference Application Number 11-459 in any future correspondence.

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

Sincerely,



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

RLE/rm/11-0988

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion  
Copy of NOC #11-101  
Copy of "Change of Ownership" form

cc: IPS, Cheyenne  
Timothy D. Eisenhauer, Baker & Associates, Inc., 1401 East M Street, Torrington,  
Wyoming 82240  
Platte County Planning Office, Dennis Becker, PO. Box 728, Wheatland, WY 82201

STATEMENT OF BASIS

I. General information.

A. Permit Number: 11-459, Reference Permit Number: 11-101

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

A. Chapter 11. YES

B. Chapter 25. YES

C. Chapter 12. 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.

NO

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter 11.

NO

C. 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.)

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

Chapter 11, Section 35(c) - Absorption systems shall not be located beneath roadways - - -

Chap. 11, Sec 36(a) - Soil exploration to a minimum depth of four feet below the bottom of the proposed absorption system shall be conducted - - -

Chap. 11, Sec 41(a) General Requirements, subsections:

(iii) - Surface runoff diversion,

(iv) - Absorption system stone requirements,

(v) - Clay tile gravity pipe construction requirements,

(viii) - Suitable stone cover materials, and

(ix) - Earth cover requirements.

B. Briefly state the basis for the deviation.

Chap 11, Sec 35(c) -

This is an old abandoned clay tile sewer pipe beneath an old and lightly used street being converted into use as a leachfield exfiltration line. There is plenty of structural strength above this pipe.

Chap. 11, Sec 36(a) -

Direct soil exploration beneath this old sewer pipe trench is not now practical. However, from information in the general area, the groundwater depth and depth to an impermeable layer are both over 150 feet deep. It can also be assumed that when the sewer line and trench were constructed as part of a sewer collection system it was done to standards.

Chap. 11, Sec 41(a) -

It can be reasonably assumed that because this pipe was originally constructed as a sewer collection main, that the surface runoff, absorption stone, clay tile pipe, stone cover materials, and earth cover requirements as constructed are equivalently or more than met.

- C. NOC based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

NOT Applicable

- V. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NOT Applicable

VI. DELETED

VII. Documentation of Statement of Basis.

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

#### CERTIFICATION

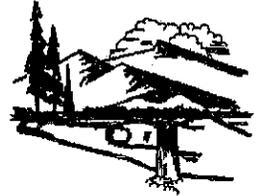
The issuance of this NOC is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter 3, Wyoming Water Quality Rules and Regulations. This review was performed by Ronald L. Ewald, Assistant SE District Engineer, and completed on November 9, 2011. NOC issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, NOC conditions, and the items identified in this "Statement of Basis."

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 17.



# Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

November 9, 2011

Jack Stoken  
Pacific Steel & Recycling  
819 Elk Street  
Rock Springs, WY 82901

RE: Rock Springs - Pacific Steel & Recycling- Water Main Extension - Permit Number 11-460, SW ¼, Section 26, T19N, R105W, Sweetwater County

Dear Mr. Stoken:

The above application for coverage under General Permit to Construct the extension of a public water supply distribution system consisting of about 372 linear feet of 12-inch PVC water main to serve a fire hydrant and to construct the relocation of a fire hydrant 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

xc: PDF, Cheyenne

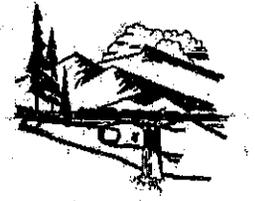
Brandt D. Lyman, P.E., JFC Engineers and Surveyors, 1515 Ninth St., Rock Springs, WY 82901  
Paul D. Kauchich, P.E., 212 D Street, Rock Springs, WY 82901





# 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

December 15, 2011

Justin McConkey  
119 Salt Creek Road  
Newcastle, WY 82701

RE: McConkey Small Residential Waste Water System,  
119 Salt Creek Road, NE ¼, SW ¼, Section 26, T45N, R61W, Weston County  
As Built Permit # 11-461

Dear Mr. McConkey:

- The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. The General Permit requirements can be downloaded from 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)

**This Notification of Coverage is issued in response to the submission and completion of the required septic system information for an as-built permit. The system generally complies with Wyoming Department of Environmental Quality/Water Quality Regulations governing Small Wastewater Systems.**

If you have any questions, please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3473. Thank you.

Sincerely,

*Karen L. Farley*

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

cc: ✓ IPS, Cheyenne  
WYDEQ File

Alan J. Drews, Interstate Engineering, Inc., P.O. Box 226, Spearfish, SD 57783  
K&K Builders, 18731 Hwy 85, Belle Fourche, SD 57717  
Weston County Assessor, 1 W Main, Newcastle, WY 82701





# Department of Environmental Quality

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John H. Mead, Governor

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

John Corra, Director

## NOTIFICATION OF COVERAGE

November 18, 2011

Ted Blair  
The Blair Hotels, dba the Ranch at Ucross  
P.O. Box 30  
Cody, WY 82414

RE: Conventional Septic System Design for the Ranch at Ucross; Sheridan County  
Location: NW ¼, Section 13, Township 53N, Range 81W  
Permit # 11-462

Dear Mr. Blair:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

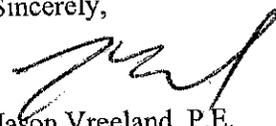
[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.
3. Flow-divider tees or a distribution box is required to evenly split flow between trenches or rows for a bed system.

Please contact me at (307) 473-3469 to schedule a joint construction inspection with WDEQ and Sheridan County Public Works prior to backfilling the system.

Sincerely,



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

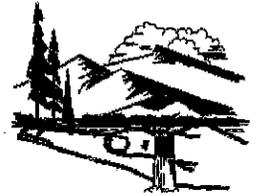
cc: IPS, Cheyenne  
WDEQ Casper File  
William Harris, P.E., GDA Engineers, P.O. Box 338, Cody, WY 82414  
Rod Liesinger, P.E., Sheridan County Public Works Director, 224 S. Main St. B8, Sheridan, WY 82801





# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 12, 2012

Wyoming Department of Transportation  
Attn: Pat Persson, District Engineer  
3411 South 3<sup>rd</sup> Street  
Laramie, Wyoming 82070

RE: Southwest House Septic System @ WyDOT Arlington Maintenance Camp:

Location: NW¼, Section 19, T19N, R78W,

Application No. **11-463**  
Carbon County

Dear Mr. Persson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1500 gallon, two compartment concrete septic tank discharging into a 250 foot long effluent transport pipe with clean-outs, into a 5 outlet distribution box supplying a chamber type bed leachfield, divided into five equal length lines of 10 "Infiltrator" Quick4 Standard chamber units of about 40 feet long each for a 3 bedroom house in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific condition also applies:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on January 11, 2014. Please reference Application Number **11-463** 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/12-0026

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

cc: IPS, Cheyenne  
Tim McGary, Wyoming Dept. of Transportation, 3411 S. 3<sup>rd</sup> St., Laramie, WY 82070  
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West  
Buffalo Street, Suite 336, Rawlins, Wyoming 82301



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

PROJECT: Arlington Maintenance Camp – Southwest House Septic System

LOCATION: ???/4, Section 19, T19N, R78W, **Carbon County**

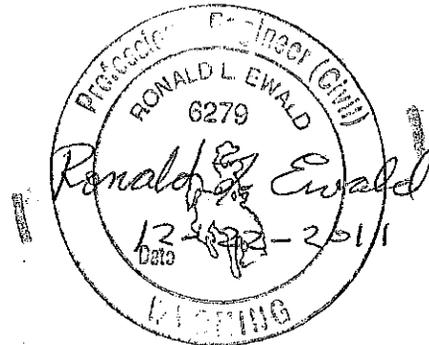
ENGINEER: Tim McGary, WYDOT  
3411 S. 3rd Street  
Laramie, Wyoming 82070  
Ph: (307) 745-2100

APPLICANT: Wyoming Department of Transportation  
3411 S. 3<sup>rd</sup> Street  
Laramie, Wyoming 82070  
Ph: (307) 745-2100

**WATER QUALITY DIVISION REFERENCE #: 11-463**

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

DATE OF REVIEW: December 22, 2011



**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. Owner Signature - the owner signature on the application form is "Tim McGary for PLP". First, who is PLP and what is his title? Second, does Tim McGary have the legal authority to sign off on an application as a representative of WYDOT?
2. Location - on the application form the quarter section is listed as "W<sup>1</sup>/<sub>4</sub>". It can be SW<sup>1</sup>/<sub>4</sub>, or NW<sup>1</sup>/<sub>4</sub>, or W<sup>1</sup>/<sub>2</sub>, but not W<sup>1</sup>/<sub>4</sub>. Which is it? Also, how far away and in what direction is Rock Creek? Where is the public road located?
3. Seasonally High Groundwater Level - the seasonally high groundwater level of 58.3 feet reported in the application is described as the "Static" water level in a drilled water well. The static water level in a well and the seasonally high groundwater level are not the same thing. This site is near Rock Creek which can have a significant effect on the seasonally high groundwater level. Please determine the real seasonally high groundwater level and how you determined it.
4. Chamber Bed Leachfield Layout - are there plans to use a distribution box(d-box) at the head of the leachfield to split the effluent flow into 5 equal flows? If so, please identify the type and maker of the d-box to be used. If not planning to use a d-box, then the effluent flow will have to be split into only 4 rows.
5. Septic Tank to Leachfield Drain Line - on the plan layout of the property the septic tank to leachfield drain line is listed as 250 feet long. However, if you scale it off compared to the 596.11 foot long distance just to the right of it, it scales out to about 530 feet long. Which is correct? In either case, it is well over 100 feet long and no clean-outs are indicated. Clean-outs are needed.

**END OF REVIEW**

RLE/rm/11-1079



# 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

December 5, 2011

Jim Rogers  
205 Newton Rd. or  
P.O. Box 2290  
Gillette, WY 82717

RE: Company Trailer Park Commercial Septic System,  
Location: W½ SW¼ Section 34, T33N, R71W,

Application No. **11-464**  
Converse County

Dear Mr. Rogers:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 3300 gallon, two compartment concrete septic tank and about 2000 square feet of chamber bed type leachfield divided into seven equal length lines of about 80 feet each for a 5 unit – one bedroom trailer park 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 condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific condition also applies:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on December 5, 2013. Please reference Application Number **11-464** in any future correspondence.

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

Sincerely,

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

RLE/rm/11-1037

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

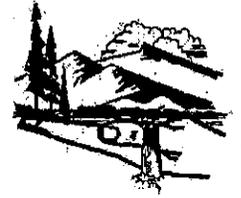
cc: IPS, Cheyenne  
Larry D. Baccari, Baccari & Associates LLC, 1949 Sugarland Drive, Suite 134, Sheridan, WY 82801  
Ed Pettijohn, 16 Jarmon Trail, Douglas, WY 82633  
Holly Richardson, Converse County Office of Special Projects, 107 N. 5<sup>th</sup>, Ste. B-6, Douglas, WY 82633





# 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

November 21, 2011

Jay Pixley  
P.O. Box 590  
Sundance, WY 82729

RE: Pixley Small Residential Septic System, Crook County  
Location: NW ¼, Section 19, T. 51N, R. 62W, Sundance, WY  
Permit # 11-465

Dear Mr. Pixley:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. The General Permit requirements can be downloaded from 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, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

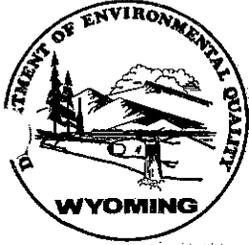
**Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at 307-473-3469.

Sincerely,

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

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





WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 11-466

Former Bulk Plant Facility

This permit hereby authorizes the applicant:

Schlumberger Technology Corporation  
121 Industrial Blvd. Room 126  
Sugar Land, TX 77478

to install monitoring wells and soil borings according to the procedures and conditions of the application number 11-466. The facilities are located in the SW  $\frac{1}{4}$  Section 22, Township 50 North, Range 72 West in the county of Campbell, in the State of Wyoming. The local street address is 100 Railroad Street, Gillette, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by January 1, 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.

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

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

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

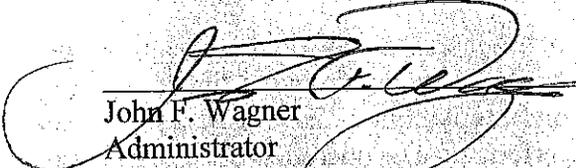
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

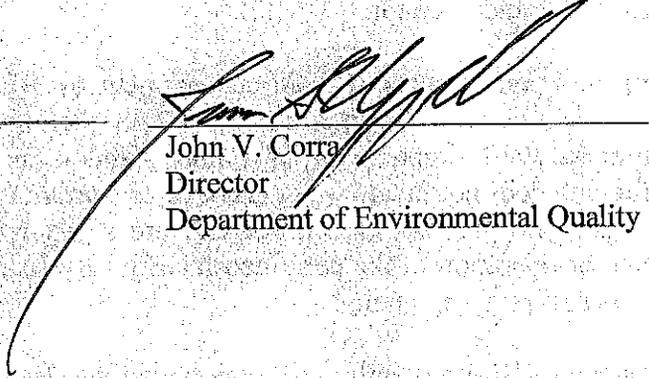
The permittee shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that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

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

1. The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Program, 2100 West 5th Street, Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
2. A Report of Investigation (ROI) shall be submitted to the DEQ within 90 days after completion of the work. The ROI shall include all groundwater and soil analytical results, as-built construction details of the monitoring wells, well development, purging and sampling procedures, etc. Future sampling and analyses of the new monitoring wells will be contingent on the sampling results and will be established by the DEQ after review of the data.

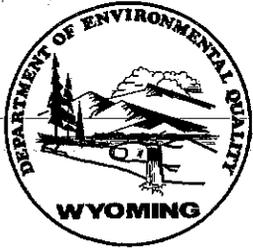
AUTHORIZED BY:

  
John F. Wagner  
Administrator  
Water Quality Division

  
John V. Corra  
Director  
Department of Environmental Quality

11-17-11  
Date of Issuance

WDF/rm/11-1001



**GROUNDWATER POLLUTION CONTROL PROGRAM**  
**REVIEW COMMENTS:**  
**PLANS/SPECIFICATIONS/PROPOSALS/REPORTS**

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
2100 West 5<sup>th</sup> Street  
Sheridan, WY 82801  
Phone: 307-673-9337

SITE NAME: Schlumberger Technology Corporation, Former Bulk Plant Facility, Gillette, WY

SITE STATUS: Active Remediation & Monitored Natural Attenuation

APPLICANT: Schlumberger Technology Corporation  
121 Industrial Blvd.  
Sugar Land, TX 77478  
Attn: Du'Bois J. Ferguson

CONSULTANT: Deuell Environmental, LLC  
1653 Diamond Head Court  
Laramie, WY 82072  
Attn: Mr. Rick Deuell  
Project Manager

NEW WATER QUALITY DIVISION PERMIT NUMBERS: #11-466

REFERENCE PERMIT NUMBERS: #89-348, #91-343, #91-077, #93-014, #93-187, #93-424, #94-424,  
#95-252, #99-066.

TITLE: Work Plan for Additional Drilling and Groundwater Monitoring Wells

PLANS                       SPECS                       PROPOSAL                       REPORT

DATE ON PROPOSAL/PLANS/REPORT: Received: November 9, 2011

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT?                       NO                       YES  
AN LOV, NOV OR OTHER ENFORCEMENT?                       NO                       YES

REVIEWING OFFICIAL: Don Fischer, P.G. # 2852 North District Geologic Supervisor

DATE OF THIS REVIEW: November 15, 2011

ACTION: Permit # 11-466 Authorized Pursuant to Attached Conditions on Permit

## COMMENTS: GROUNDWATER SECTION

### **1.0 SITE DESCRIPTION & HISTORY**

#### **1.1 Site Description**

The Former Bulk Plant facility (FBP) is located at 100 Railroad Street in Gillette, Wyoming on leased land near the north city limits of Gillette, Wyoming in Campbell County. The 1.3 acre facility is flat, unpaved and enclosed by a perimeter chain link fence. The facility is bounded by the railroad to the south (a large residential area is located south of the railroad tracks), industrial facilities immediately to the east and west, and a residential area to the northeast. A large baseball complex is also located northwest of the site.

#### **1.2 Site History**

The following WDEQ-Water Quality permits have been issued at this facility:

- Permit to Construct # 89-348: groundwater monitoring wells;
- Permit to Construct # 91-343: groundwater monitoring wells;
- Permit to Construct # 93-314: product recovery wells;
- Permit to Construct # 93-187: product recovery system;
- Permit to Construct # 93-424: SVE system: west zone;
- Permit to Construct # 94-424: groundwater monitoring wells;
- Permit to Construct # 95-252: SVE system: east zone;
- Permit to Construct #99-066; Enhanced biologic remediation pilot study.

The Former Bulk Plant facility was operated by Dowell Schlumberger Inc. (Dowell) from 1963 to 1988 as a storage and distribution center for oil field service materials. Western Water Consultants, Inc. (WWC), on behalf of Dowell, began environmental investigations at the facility in 1989. Remedial efforts were initiated at the FBP facility to address a free product plume of toluene on the western side of the facility. A free product recovery system and soil vapor extraction (SVE) system were installed and have effectively removed volatile organic compounds from the subsurface.

A soil vapor data survey performed in 1992 indicated that 1,1,1-trichloroethane (1,1,1-TCA) was present in soil vapor samples collected from shallow subsurface (0 to 1.5 ft bgs) in the eastern portion of the facility. The highest levels of 1,1,1-TCA in soil vapor were detected southeast of the concrete pad formerly used for drum storage.

Two boreholes and four groundwater monitoring wells were installed at various locations in the east side of the facility between 1989 and 1992. Borehole SB-16 was sited in the area of highest soil vapor levels and monitoring well MW-20 was located on the concrete pad near the apparent northern limit of high 1,1,1-TCA levels. Laboratory data from soil samples collected during drilling indicated that low concentrations of 1,1,1-TCA and 1,1-dichloroethane (1,1-DCA) were present in a soil sample collected from SB-16. Chlorinated hydrocarbons were not detected and only trace amounts of toluene were detected in a soil sample collected from MW-20.

### **2.0 GEOLOGY & HYDROGEOLOGY**

The site is located at an elevation of approximately 4,500 feet (ft) on a relatively flat alluvial floodplain. The near surface lithology beneath the site consists of Quaternary alluvial deposits which overlie the Eocene-age Wasatch Formation. The Wasatch Formation is the predominant formation in this region of

Wyoming. The lithology underlying the site consist of 15-25 ft of clay which overlies a fine to medium grained sand of undetermined thickness in the western portion of the site. This sand layer thins to approximately 10 ft near the southeast corner of the site. In the western portion of the site, the uncemented sand overlies a well-cemented sandstone of the Wasatch formation at a depth ranging from 45 to 50 ft below ground surface (bgs). In the eastern portion of the facility this sandstone was not observed down to a depth of 65 ft bgs, which is the maximum depth drilled.

Groundwater beneath the site was encountered in the uncemented, unconsolidated sand at depths ranging from 23 to 25 feet bgs. The shallow aquifer beneath the FBP property is unconfined. Potentiometric surface maps constructed for the area during the initial investigation through 1999 indicated groundwater flow to the south/southwest. However, more recent groundwater level measurements indicate groundwater flow direction to the east/northeast. The former bulk plant facility drains north to Stonepile Creek, which is conveyed in a concrete box culvert under the street north of the facility.

### **3.0 SUMMARY OF RECENT SITE ACTIVITIES FOR 2011**

Investigative and remedial activities conducted at the former bulk plant facility during First Quarter 2011 included:

- Measurement of static water levels in 14 on-site wells (including RW-1 through RW-4) and four off-site groundwater monitoring wells;
- Collection of groundwater samples from 16 of the groundwater monitoring wells (on and off-site), and the four recovery wells for analysis of volatile organic compounds (VOC's) by EPA Method 8260.
- Measurement for potential product levels in the four recovery wells (RW-1 through RW-4);
- Collection and analysis of vapor samples from the SVE system;
- Modification, operation and maintenance of the SVE/EBR system.

### **4.0 SUMMARY OF 2011 MONITORING AND REMEDIAL ACTIVITIES**

#### **4.1 Spring 2011 Groundwater Levels**

As stated in recent reports, static water levels in the vicinity of the enhanced biologic remediation (EBR) system are influenced by the vacuum applied by the system. As indicated by past historical groundwater elevation data, groundwater originally exhibited a southerly trend, but due to EBR system influences, the groundwater flow direction has gradually changed to an east/northeast direction.

Since 1989, water levels have risen an average of 11 ft across the site. Water levels measured during the March 2011 monitoring event were 0.3 to 0.7 ft higher than water levels recorded during the fall 2010 monitoring event. Water levels in March 2011 were near the highest levels recorded to date.

#### **4.2 Spring 2011 Groundwater Quality Results**

##### Petroleum Hydrocarbon Plume -- Western Portion of Former Bulk Plant facility

As indicated by Table 2 of the 2011 semi-annual report, the area around the RW wells (including wells RW-1—RW-4 and MW-24) is the only area presently impacted by petroleum hydrocarbon contamination. Petroleum hydrocarbon concentrations generally decreased in RW-2, RW-3 and RW-4 and increased in RW-1 since the fall 2010 monitoring event. Concentrations in wells around the perimeter of the hydrocarbon plume in this region have decreased to "non-detect".

In August 2007 the EBR system was modified to improve oxygen delivery to the wells by eliminating the use of oxygen reduction compounds and introducing an air bubbling system between vacuum cycles.

This system has resulted in much higher oxygen concentrations introduced into the petroleum hydrocarbon plume and has proven effective in enhancing attenuation of petroleum hydrocarbon concentrations in groundwater in this region of the site.

Laboratory analysis of recent groundwater samples collected from monitoring wells located on the western portion of the site revealed concentrations of benzene in wells RW-1 and RW-3 in excess of the WDEQ standard of 0.005 mg/L. Other petroleum hydrocarbon concentrations are listed in the table below. The western portion of the site is the only area where BTEX constituents are detected in groundwater samples.

**PETROLEUM HYDROCARBON CONTAMINATION  
March 2011 Analytical Results**

| WELL #               | Benzene      | Ethyl Benzene | Toluene    | Total Xylenes |
|----------------------|--------------|---------------|------------|---------------|
| MW-24                | ND           | 13.0          | 120.0      | 31.0          |
| RW-1                 | 2.2          | 2.8           | 360        | 7.3           |
| RW-2                 | ND           | ND            | 140.0      | 0.55          |
| RW-3                 | 0.049        | 2.5           | 0.88       | 0.6           |
| RW-4                 | ND           | 0.007         | ND         | ND            |
| <b>WDEQ Standard</b> | <b>0.005</b> | <b>0.7</b>    | <b>1.0</b> | <b>10</b>     |

\* Units are mg/L

Chlorinated Hydrocarbon Plume – Eastern Portion of the Former Bulk Plant facility

Laboratory analytical data from the March 2011 monitoring event indicate that WDEQ standards for chlorinated hydrocarbon constituents, 1-1 DCE and 1-1-1 TCA, were exceeded in monitoring wells MW-17, MW-20, MW-26 and MW-27. The concentrations of chlorinated hydrocarbon constituents in monitoring wells MW-17 and MW-20 have decreased considerably since the March, 2010 sampling event. Concentrations of chlorinated hydrocarbons in the other two wells appear to be fluctuating within recent trends. The eastern portion of the site is the only area where chlorinated hydrocarbon constituents are detected in groundwater samples.

**CHLORINATED HYDROCARBON CONTAMINATION  
March 2011 Analytical Results**

| WELL #               | 1-1 DCE      | 1-1-1 TCA   |
|----------------------|--------------|-------------|
| MW-17                | 0.069        | 0.180       |
| MW-20                | 0.140        | 0.350       |
| MW-26                | 0.130        | 0.440       |
| MW-27                | 0.011        | 0.036       |
| <b>WDEQ Standard</b> | <b>0.007</b> | <b>0.20</b> |

\* Units are mg/L

**4.3 Product Recovery**

Free product has not been detected in any of the recovery or monitoring wells since 1998.

#### **4.4 Volatile Hydrocarbons from the SVE System**

The east zone soil vapor extraction (SVE) system was shut down for the winter due to freezing lines. It was started again on March 17, 2011 and vapor samples were collected on March 18, 2011. Results were "non-detect" for petroleum hydrocarbons and chlorinated hydrocarbons.

#### **4.5 Operational Parameters**

Operational parameters of the SVE system are periodically monitored and inspected during the sampling events. These parameters include unit hours, heater hours, heater temperature, catalyst temperature, blower vacuum and mechanical parts. SVE well vacuums are also measured to determine if the system is functioning properly.

### **5.0 RESULTS & CONCLUSIONS**

As indicated by the results described above, petroleum hydrocarbon concentrations have decreased in the western portion of the site. However, concentrations of benzene in wells RW-1 and RW-3 still exceeded WDEQ standards during the March 2011 sampling event. In the eastern portion of the site, analytical results indicate the concentrations of chlorinated hydrocarbon constituents, 1-1 DCE and 1-1-1 TCA, exceeded WDEQ standards in monitoring wells MW-17, MW-20, MW-26 and MW-27 during the March 2011 monitoring event. The chlorinated hydrocarbon concentrations in wells located along the eastern portion of the Former Bulk Plant facility appear to be decreasing due to natural attenuation.

### **6.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS**

Aqueous phase chlorinated compounds in groundwater at the east side of the site are the primary concern of the permit application. Because of the persistence of contamination at the eastern site boundary, the Water Quality Division has required additional investigations to define the downgradient extent of chlorinated hydrocarbon contamination.

A Report of Investigation shall be submitted to the DEQ within 90 days after completion of the work. The ROI shall include all groundwater and soil analytical results, as-built construction details of the monitoring wells, well development, purging and sampling procedures, recommendations for future work, etc. Future sampling and analyses of the new monitoring wells will be contingent on the sampling results and will be established by the DEQ after review of the data.

**END OF REVIEW**

**WDF/rm/11-1001**

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)

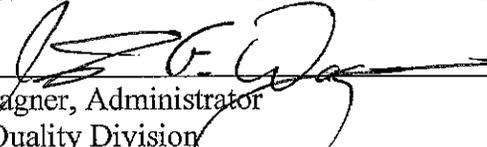
Permit Number **11-467**  
Previous Permit(s): 5E3-98-1  
Facility Number WYS-023-001  
State Subclass: 5E3

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: Aspen Grove Trailer Court, Inc.  
Attn: Mr. David W. Hamel  
P. O. Box 3147  
Alpine, WY 83128  
(307) 654-7799

Aspen Grove Trailer Court, hereafter referred to as the permittee, is authorized to continue operating the septic systems located in the NW¼ of the SE¼ of Section 18 Township 37 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

4/16/2012  
Date

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

4/17/12  
Date

KS/rm/12-0335

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### A. Discharge Zone

The septic system is authorized to inject 3,200 gallons per day on average (calculated as 80% of maximum) and 4,000 gallons per day maximum. The primary treated wastewater is injected into an alluvial terrace deposit of the Snake River. Distance to groundwater in the area of discharge is approximately 40 feet below land surface.

### B. Well and Area of Review

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

NW¼ of the SE¼ of Section 18, Township 37 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 facility 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               | 20     | Percent  |
| Maximum Injection Rate | 4,000  | GPD      |
| Thickness of Receiver  | 50     | Feet     |
| Area of Review         | 360    | Acres    |
| Hydraulic Conductivity | 10     | Feet/Day |

### C. Groundwater Classification

The groundwater in the unnamed alluvial aquifer 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 several 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 permittee is authorized to inject 3,200 gallons per day average and 4,000 gallons per day maximum. The wastewater is produced from a mobile home park that currently contains 9 serviceable mobile home spaces, one permanent dwelling, and 5 seasonal recreational vehicle hookups. Injection occurs through a leachfield. The facility has one 8,000 gallon septic tank.

The current water supply well is located upgradient of the leachfields. The wastewater is injected into an alluvial terrace deposit of the Snake River and described as primary treated domestic sewage from septic tanks.

#### **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 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. 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 45 days following each schedule date.

## I. Requirements for Monitoring the Discharge

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 semiannually and reported annually:

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

| WELL NAME OR NUMBER         | SAMPLING SCHEDULE                                | PARAMETER ANALYZED          | ANALYTICAL METHOD                        | PERMIT LIMIT or UCL |
|-----------------------------|--------------------------------------------------|-----------------------------|------------------------------------------|---------------------|
| Water Supply Well (UW89821) | Semi-Annually (January – June and July-December) | 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             |
|                             |                                                  | E. Coli                     | EPA 1603, 1604, 1103.1                   | 0 colony/100 ml     |
| MW-1 (Monitoring Well)      | Semi-Annually (January-June and July-December)   | 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             |
|                             |                                                  | Depth to Static Water Level | Steel tape with chalk or electronic tape | N/A                 |
| Septic Tank                 | 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.

The septic tank serving the mobile home park are to be inspected annually at a minimum, and must be pumped as necessary. A copy of the invoice for pumping the tanks is to be included with the annual report. All annual reports are to be reported within forty-five (45) days of the last day of the year (February 14<sup>th</sup>).

The above upper control limit (UCL) cannot be exceeded in any sample. Exceedance of this value 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 alteration or addition. The permittee shall furnish the Administrator within a reasonable time any information which the Administrator may request to determine whether cause exists for modifying, revoking, or reissuing, or terminating this permit, or to determine compliance with this permit; and to furnish to the Administrator upon request, copies of records required to be kept by this permit. Any modification which may result in a violation of a permit condition shall be reported to the Administrator, and any modification that will result in a violation of any permit conditions shall be reported to the Administrator through the submission of a new or amended permit application. The permittee shall report all instances where he becomes aware that he failed to submit any relevant facts in the permit application, or where he submitted incorrect information in a permit application or in any report to the Administrator, and shall promptly submit such facts or information.

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. UIC Permit Number: **11-467**
- B. Facilities Covered: Aspen Grove Trailer Court
- C. Class of Facility: Class V (Wyoming Water Quality Rules and Regulations, 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, 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. A groundwater review has been conducted to insure that no groundwater will be impacted by this system.

VI. Documentation of Statement of Basis.

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

VII. Applicant and Public Participation

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

- B. A Public Notice has been issued with a public notice period starting February 27, 2012 and ending on March 27, 2012 (30 day notice as required by Wyoming Water Quality Rules and Regulations, Chapter 16). This notice was published in the Star Valley Independent on or before the start of the public comment period.

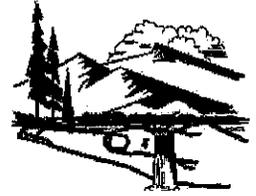
#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6. This review was performed by Kathy Shreve, completed on February 7, 2011. 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

April 16, 2012

Aspen Grove Trailer Court, Inc.  
Attn: Mr. David W. Hamel  
P. O. Box 3147  
Alpine, WY 83128  
(307) 654-7799

RE: Aspen Grove Trailer Court, Inc.  
Draft Permit 11-467, Class V Septic System  
Lincoln County, Wyoming

Dear Mr. Hamel:

Attached please find one copy of the Class V septic system permit for the facility referenced above. This permit requires annual inspection and periodic pumping of the septic tanks. It also requires semiannual sampling of the monitoring and public water supply well, and annual reporting of these results to the UIC Program. The corresponding report forms can be filled out using our on-line webform (Monitor Reports Link), or you may have the lab submit them using Electronic Data Deliverable (EDD) at the following site: <https://gem.trihydro.com>. For your convenience, the Wyoming Department of Environmental Quality (WDEQ) has printed the inspection forms and enclosed them in this mailing, you may use the paper forms to report your inspection and monitoring activities to WDEQ. Please use the exact well names used in your permit when reporting data to avoid any miscommunications.

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 the below referenced phone number or email.

Sincerely,

Kathy Shreve  
Environmental Program Principal  
Wyoming Department of Environmental Quality  
Water Quality Division  
(307) 777-6682  
[kathy.shreve@wyo.gov](mailto:kathy.shreve@wyo.gov)

KS/rm/12-0335

Enclosures: Permit  
Monitoring Report Forms

cc: John Passehl, 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 777-6482 | AIR QUALITY<br>(307) 777-7391<br>FAX 777-5616 | INDUSTRIAL SITING<br>(307) 777-7369<br>FAX 777-6937 | LAND QUALITY<br>(307) 777-7756<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 |
|--------------------------------------------------|---------------------------------------------------|-----------------------------------------------|-----------------------------------------------------|------------------------------------------------|------------------------------------------------------|-------------------------------------------------|





# 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

November 29, 2011

Henry Lambright  
201 Horseshoe Lane  
Hulett, WY 82720

RE: Lambright Residential Privy and Land Application of Domestic Septage, Crook County  
Location: NW ¼, Section 14, T. 55N, R. 66W, Crook County, WY  
Permit # **11-469**

Dear Mr. Lambright:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility and General Permit for Domestic Septage Land Application in Remote areas in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with the general permit and materials submitted in your application package. The General Permit requirements have been included.

Additionally, the following permit condition applies:

1. The privy shall be constructed to prevent access by flies and rodents.
2. The vault shall be accessible for waste removal and ventilated to a point outside and above the outhouse building. The outhouse building shall have a set of vents installed near the floor on two opposite sides of the building and a roof vent that has a rain cap. All vents shall be screened.
3. The application of domestic septage between November 1<sup>st</sup> and May 1<sup>st</sup> should be avoided. If domestic septage is land applied during these months, it must not be applied during wet or frozen conditions.
4. A sufficient quantity of lime shall be added to raise the pH of the septage to 12 at least 30 minutes prior to land application.
5. Complete the WWQRR Chapter 15 worksheet (Appendix C) subsequent to each land application and keep for at least five years. These records shall be made available upon request by WDEQ or Crook County Growth and Development.

Please contact Crook County Growth and Development for further County requirements and to schedule construction inspection. Please contact me if you have any questions at 307-473-3469.

Sincerely,

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

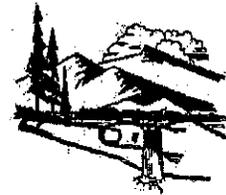
cc:  IPS, Cheyenne  
 WDEQ Casper File  
 Tim Lyons, Crook County Growth and Development





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Matthew H. Mead, Governor

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John Corra, Director

## NOTIFICATION OF COVERAGE - MODIFIED

January 18, 2012

Henry Lambright  
201 Horseshoe Lane  
Hulett, WY 82720

RE: Lambright School House Privy and Land Application of Domestic Septage, Crook County  
Location: NW ¼, Section 14, T. 55N, R. 66W, Crook County, WY  
Permit # 11-470

Dear Mr. Lambright:

The **modification** to the above permit, which was initially approved November 30, 2011, is approved for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility and General Permit for Domestic Septage Land Application in Remote areas in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with the general permit and materials submitted in your application package.

Additionally, the following permit condition applies:

1. The privy shall be constructed to prevent access by flies and rodents.
2. The vault shall be accessible for waste removal and ventilated to a point outside and above the outhouse building. The outhouse building shall have a set of vents installed near the floor on two opposite sides of the building and a roof vent that has a rain cap. All vents shall be screened.

Please contact Crook County Growth and Development for any further Crook County requirements. Please contact me at 307-473-3469 if you have any questions.

Sincerely,

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

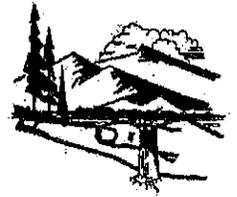
cc: IPS, Cheyenne  
WDEQ Casper File  
Tim Lyons, Crook County Growth and Development





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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

November 30, 2011

Henry Lambright  
201 Horseshoe Lane  
Hulett, WY 82720

RE: Lambright School House Privy and Land Application of Domestic Septage, Crook County  
Location: NW ¼, Section 14, T. 55N, R. 66W, Crook County, WY  
Permit # 11-470

Dear Mr. Lambright:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility and General Permit for Domestic Septage Land Application in Remote areas in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with the general permit and materials submitted in your application package. The General Permit requirements have been included.

Additionally, the following permit condition applies:

1. The privy shall be constructed to prevent access by flies and rodents.
2. The vault shall be accessible for waste removal and ventilated to a point outside and above the outhouse building. The outhouse building shall have a set of vents installed near the floor on two opposite sides of the building and a roof vent that has a rain cap. All vents shall be screened.
3. The application of domestic septage between November 1<sup>st</sup> and May 1<sup>st</sup> should be avoided. If domestic septage is land applied during these months, it must not be applied during wet or frozen conditions.
4. A sufficient quantity of lime shall be added to raise the pH of the septage to 12 at least 30 minutes prior to land application.
5. Complete the WWQRR Chapter 15 worksheet (Appendix C) subsequent to each land application and keep for at least five years. These records shall be made available upon request by WDEQ or Crook County Growth and Development.

Please contact Crook County Growth and Development for further County requirements and to schedule construction inspection. Please contact me if you have any questions at 307-473-3469.

Sincerely,

Jason Freeland, 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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JPS

Matthew H. Mead, Governor

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

John Corra, Director

## NOTIFICATION OF COVERAGE

December 5, 2011

David R. Stewart, PE CEO  
Stewart Environmental Consultants, LLC  
3801 Automation Way, Suite 200  
Ft. Collins, CO 80525

RE: Encana O&G Frenchie Draw Stewart Environmental Water Treatment Pilot Test, Wind River Basin Facility, WY  
Permit to Construct #11-471

Dear Mr. Stewart:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Pilot Project in accordance with Section 5, Chapter 11, of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. **This permit expires 30 days from the date of issuance.**

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit. The following items need to be submitted to WDEQ/WQD CBM Group:

- a. Date that the construction of the treatment facility will begin;
- b. Certification the construction of the treatment facility was done in accordance with the terms and conditions of the permit; or  
Certification the construction of the treatment facility was completed with changes or modifications.
- c. All sampling will be conducted in accordance with the submitted sampling plan.
- d. Sampling of any waste products will be performed prior to disposal.
- e. A detailed report including on-site and lab analytical data relating to the facility's performance for meeting the discharge requirements, treatment/discharge

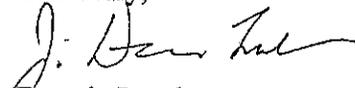


volumes, any problems with the system and what has been done to correct them, or a notification that the plant has not been operating, will be submitted within 30 days after end of treatment.

- 
- f. Immediate notification to WDEQ/CBM Group of any violations, exceedences, upsets, or incidents relating to the facility and its operation.

Please notify WDEQ at least one week prior to start-up or initial processing of produced water. If you have any questions, please contact Dennis Lamb or Kim Medina at 152 North Durbin, Casper, WY, 82601, (307) 473-3465. Thank you.

Sincerely,



Dennis Lamb  
DEQ/WQD

Enclosures: Application for Permit to Construct  
Certificate of Completion

cc: WDEQ File  
IPS Cheyenne  
Andrea C. Taylor, Encana O&G, PO Box 1177, 462 South Federal Blvd./Riverton, WY 82501

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)

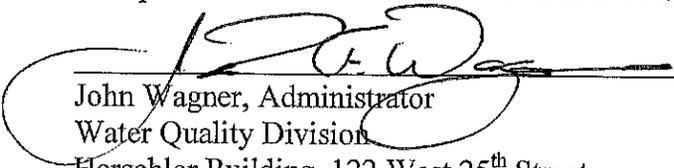
Permit Number: 11-472  
Facility Number: WYS-011-010  
State Subclass: 5E3  
Previous Permit Number: 5E3-98-1

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.

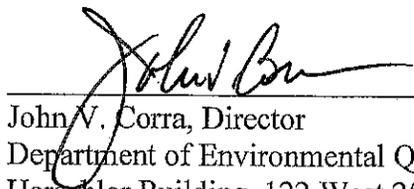
Applicant: Moore Trailer Court  
Mr. Mike Moore  
P. O. Box 241  
Moorcroft, WY 82721  
(307) 680-0469

Moore Trailer Court, hereafter referred to as the permittee, is authorized to operate the septic system located in the SE¼ of the NE¼ of Section 1, Township 49 North, Range 68 West, of the 6<sup>th</sup> Principal Meridian, Crook 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

4/13/12  
Date

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

4/16/12  
Date

CMc/rm/12-0320

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### A. Discharge Zone

This injection facility (sanitary leachfield) is authorized to inject 2,460 gallons per day average and 4,100 gallons per day maximum. The primary treated wastewater is injected into the Alluvial Aquifer that consists of sandstone and shale decomposed from the Lance Formation which underlies the alluvium. Depth to groundwater in the vicinity of the leachfield is approximately 100 ft, based on static water levels reported by SEO for nearby supply wells.

### B. Well and Area of Review

The injection well authorized by this permit is located as follows:

SE¼ of the NE¼ of Section 1, Township 49 North, Range 68 West, of the 6<sup>th</sup> Principal Meridian, Crook County

The Area of Review is defined as a circular area of 360 acres with the injection facility 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               | 20     | Percent  |
| Maximum Injection Rate | 4,100  | GPD      |
| Thickness of Receiver  | 400    | Feet     |
| Area of Review         | 360    | Acres    |
| Hydraulic Conductivity | 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 4,100 gallons per day. The wastewater is produced from a single residency home and a ten (10) 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 OR NUMBER                                                      | SAMPLING SCHEDULE                                 | PARAMETER ANALYZED          | ANALYTICAL METHOD            | PERMIT LIMIT or UCL   |
|--------------------------------------------------------------------------|---------------------------------------------------|-----------------------------|------------------------------|-----------------------|
| Moore #1<br>(supply well & monitoring well, down gradient of leachfield) | Semi-Annually<br>(January-June and July-December) | Fecal Coliform              | SM 9222D                     | 0 colony/100 ml       |
|                                                                          |                                                   | 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 pumped | Flow meter                   | Not applicable        |
| Septic Tanks                                                             | Semi-Annually<br>(January-June and July-December) | Total Volume Injected       | Supply well Flow Meter       | 4,100 gallons per 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. The septic tank serving the Moore 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

John Corra, Director

## NOTIFICATION OF COVERAGE

April 13, 2012

Moore Trailer Court  
Attn: Mr. Mike Moore  
P. O. Box 241  
Moorcroft, WY 82721

RE: Moore Trailer Court  
Final Permit **11-472**, Class V Septic System Renewal  
Crook County, Wyoming

Dear Mr. Moore:

Attached please find one copy of the Class V septic system permit for the facility referenced above. This permit requires annual inspection, periodic pumping of the septic tanks, and semi-annual sampling/monitoring. The corresponding report forms can be filled out using our on-line webform (Monitor Reports Link), or one may have the lab submit them using Electronic Data Deliverable (EDD) at the following site: <https://gem.wqd.apps.deq.wyoming.gov/default.aspx>. For your convenience, the Wyoming Department of Environmental Quality (WDEQ) has printed the inspection forms and enclosed them in this mailing, you may use the paper forms to report your inspection and monitoring activities to WDEQ. If at anytime your contact information changes please let us know so we can amend that information in our GEM system for continued communication throughout the life of the permit.

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 the below referenced phone number or email.

Sincerely,

Carol McAdams, Geologist  
Wyoming Department of Environmental Quality  
Water Quality Division  
(307) 777-2960  
[carol.mcadams@wyo.gov](mailto:carol.mcadams@wyo.gov)

CMc/rm/12-0320

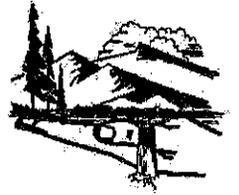
Enclosures: Permit  
Monitoring Report Forms  
cc: John Passehl, WDEQ





# 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

January 25, 2012

Anthony Beeson, P.E.  
Burns & McDonnell Engineering Company  
9785 Maroon Circle, Suite 400  
Centennial, CO 80112

RE: Pine Ridge Disinfection Facility Small Wastewater System, Crook County, WY  
Location: SW ¼ Section 1, T. 51N, R. 67W  
WDEQ Application #11-473

Dear Mr. Beeson:

We have completed our review of the permit application submitted on December 7, 2011. 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: Michael Cole, P.E., City of Gillette, 611 Exchange Avenue, Gillette, WY 82716  
Tim Lyons, Crook County Growth and Development  
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**

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**PROJECT:** Pine Ridge Disinfection Facility Small Wastewater System

**LOCATION:** Crook County, Wyoming

**ENGINEER:** Burns & McDonnell Engineering Company

**APPLICANT:** Michael Cole, P.E., City of Gillette

**WATER QUALITY DIVISION APPLICATION NUMBER: 11-473**

**DATE ON PROPOSAL/PLANS/REPORT:** December 5, 2011

**DATE RECEIVED BY DEQ:** December 7, 2011

**DATE OF THIS REVIEW:** January 25, 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**

- 1) The application indicates that warm vehicle storage will be provided in the proposed building. Please note if the warm vehicle storage will be equipped with floor drains and where they will discharge.
- 2) The percolation test results show that six percolation tests were taken with one test significantly higher. Subsequently, that test was discarded and the remaining five were averaged. WWQRR allows the percolation results to be averaged when six tests are conducted. The slowest percolation test result should be used since only five tests were accepted.
- 3) The application indicates that a chamber system will be installed but does not list a type or

model of chamber. For sizing purposes please specify a type of chamber. If the chamber type changes prior to construction the permit may be modified accordingly.

- 4) Page 25 indicates that the depth to seasonal high groundwater or impervious layer from ground surface is 5'. Page 10 lists the depth to impervious layer as 7.5'. Please revise the appropriate section in the application.
- 5) WWQRR, Section 35 specifies that the minimum setback from stream or surface bodies of water (including seasonal and intermittent) is to be 50'. The site plan indicates that a drainage swale will be located within 50' of the absorption field and septic tank. Please revise the site plan to provide the appropriate setback.
- 6) Please show an area reserved for a replacement absorption field on the site plan. This area needs to meet the same standards as the primary absorption field.

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 11-474

Big Piney Water Well No. 10  
Public Water System Number 5600007

This permit hereby authorizes the applicant:

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

to construct a public water supply well for the purpose of testing both water quantity and quality only according to the procedures and conditions of the application number 11-474. The facility is located on the east side of the Town of Big Piney within the SE ¼, Section 21, T30N, R111W in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by November 30, 2013.

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

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

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

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

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

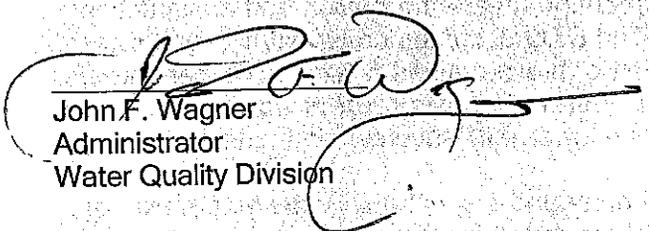
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

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

12-5-11  
Date of Issuance

MDB/rm/11-1030

cc: Jerry Hunt, P.E., Ben Jordan, P.G., Weston Engineering, Inc., 1050 North, 3<sup>rd</sup> St., Suite E, Laramie, WY 82072

## STATEMENT OF BASIS

1. Permit Number: 11-474

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

NA.

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

Not Required.

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

## CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark Baron P.E. Southwest District Engineer, mark.baron@wyo.gov and completed on November 30, 2011. 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

December 9, 2011

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

RE: New Leads Spec Building project  
Application No. 11-476, Laramie County

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility and Existing Sewage Collection Systems described as one effluent pumping unit, install 6 inch sewer line, install 6 inch fire line, NE ¼ Section 33, T13N R67W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Part D and Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Please complete and return the enclosed Certificate of Completion. All construction, installation, or modification allowed by this notification of coverage shall be completed by December 9, 2013.

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. 11-476 in any future correspondence.

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

Sincerely,

Richard R. Cripe PE  
Southeast District Engineer  
Water Quality Division

RRC/rm/11-1048

Enclosure: General Permit

cc: IPS, Cheyenne  
Ryan Rigg, AVI, 1103 Old Town Lane, Suite 101, Cheyenne, WY 82009





# 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

December 20, 2011

Levi Stutzman  
675 New Haven Road  
Hulett, WY 82720

RE: Stutzman Residential Privy and Land Application of Domestic Septage, Crook County  
Location: NE ¼, Section 26, T. 55N, R. 66W, Crook County, WY  
Permit # 11-477

Dear Mr. Stutzman:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility and General Permit for Domestic Septage Land Application in Remote areas in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with the general permit and materials submitted in your application package. The General Permit requirements have been included.

Additionally, the following permit condition applies:

1. The privy shall be constructed to prevent access by flies and rodents.
2. The vault shall be accessible for waste removal and ventilated to a point outside and above the outhouse building. The outhouse building shall have a set of vents installed near the floor on two opposite sides of the building and a roof vent that has a rain cap. All vents shall be screened.
3. The application of domestic septage between November 1<sup>st</sup> and May 1<sup>st</sup> should be avoided. If domestic septage is land applied during these months, it must not be applied during wet or frozen conditions.
4. A sufficient quantity of lime shall be added to raise the pH of the septage to 12 at least 30 minutes prior to land application.
5. Complete the WWQRR Chapter 15 worksheet (Appendix C) subsequent to each land application and keep for at least five years. These records shall be made available upon request by WDEQ or Crook County Growth and Development.

Please contact Crook County Growth and Development for further County requirements and to schedule construction inspection. Please contact me if you have any questions 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





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Matthew H. Mead, Governor

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

John Corra, Director

December 13, 2011

E.D. Corky Stetson  
Stetson Engineering, Inc.  
P.O. Box 457  
601 Metz Drive  
Gillette, WY 82717

RE: Antelope Valley Business Park Waterline Project, Campbell County, WY  
WDEQ Application #11-478

Dear Mr. Stetson:

We have completed our review of the permit application submitted on December 1, 2011. 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 Supervisor  
WDEQ/WQD

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

Attachments: WDEQ Comments

cc: Ben Doud, Doud BTS, 25528 Genessee Trail Road, Golden, CO 80401  
Phillip Giffin, P.E., Campbell County Public Works, 500 S. Gillette Ave., Suite 1400, Gillette, WY 82716  
IPS  
WDEQ File

11-478



**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:** Antelope Valley Business Park – Phase III Waterline,  
Campbell County, WY

**LOCATION:** Campbell County, Wyoming

**ENGINEER:** Stetson Engineering, Inc.

**APPLICANT:** Ben Doud, Doud BTS

**WATER QUALITY DIVISION APPLICATION NUMBER: 11-478**

**DATE ON PROPOSAL/PLANS/REPORT:** July 13, 2011

**DATE RECEIVED BY DEQ:** December 1, 2011

**DATE OF THIS REVIEW:** December 13, 2011

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

- 1) Chapter 12, Section 6(a) – Please describe the reasoning behind extending a 12” line from one water system (Antelope Valley I&S District) to a development (new commercial building on Lot 14) that is within the service area of another water system (Antelope Valley Business Park). If capacity and/pressures are the issue, then these need to be in the report and explained. The Sanitary Survey performed by EPA on 12/15/10 indicated that the system was “built out”, so it is not clear how or why this water system can be providing water to property outside of the service area.

- 2) The permit application form must also be signed by a legal representative of the Antelope Valley Business Park I&S District as they are the Operator of the water system. In addition, the design report indicated that a copy of the agreement between Antelope Valley Business Park and Antelope Valley I&S was attached – this was not found in the submittal. Please provide.
- 3) Please identify who the engineer of record is – the plans have been stamped by Kyle Lehto; the design report has been stamped and signed by David Meyers, and the application form shows Corky Stetson as the engineer. Please address.
- 4) Page 1 of the design report notes that the new 12” waterline will service Lot 14, provide fire flow to Lots 12 and 14; yet, the plans show a 6” line to Lot 13 and no service lines to 14. Lot 12 doesn’t even show up on the plans. It is also not clear if the reference to “fire flow” is for the fire hydrants or fire sprinkler lines. Please clarify. Also, is the 6” line to supply both domestic and fire flows? If so, are they going to be coming off the same line? How is this going to be configured? And please discuss why there is a fire hydrant on the same line as the service/sprinkler line.
- 5) Page 2 of the design report notes that the building on Lot 12 is existing. Is the new 12” line going to provide fire protection in the form of a fire hydrant?
- 6) Please provide design information for any proposed service or fire lines as required in WDEQ Water Quality Rules and Regulations Chapter 12, Section 6 to include but not limited to needed fire flows and a description of the existing service area and proposed development.
- 7) In accordance with WDEQ Water Quality Rules and Regulations Chapter 12, Section 14 (B)(vii) dead end mains shall be provided with a flushing hydrant or blowoff for flushing purposes, and must be able to achieve a minimum velocity of 2.5 fps in the main being flushed. Please confirm that the hydrant shown at approximate Station 14+50 is adequate for this purpose
- 8) Page 1 of the design report refers to three additional hydrants being installed but the plan set shows four (stations 1+87, 5+55, 10+84, and 14+50). Please address.
- 9) Chapter 12, Section 6 & 14 - The design report indicates that base pressures were taken from the 1999 master plan. Please provide any information to verify the accuracy of the base model versus existing conditions. A new hydrant flow test (at least one) should be done in order to collect current pressure and flow data. Based on this new information, please rerun the model and resubmit. The modeling needs to show flow demands and pressure requirements, as well as demonstrating that the normal working pressure in the distribution system shall not be less than 35 psi. The modeling needs to also include friction losses, levels in the tanks assumed for modeling, etc. Has Antelope Valley I&S done a hydraulic analysis of their system lately?
- 10) Chapter 12, Section 14 (d)(ii) – The meter vault needs to have some means of drainage – please refer to this section for guidance.
- 11) Our office received only one copy of the design report and construction drawings – please submit one more copy and one original set.
- 12) Chapter 12, Section 7(c) – Please provide the construction and technical specifications for the boring underneath Highway 50.
- 13) The drawings are not to scale.
- 14) Is a bypass planned for the water meter? Please provide the information on the meter; i.e., the suppliers information and/or submittal information.

- 15) Please provide information on the type and size of the commercial building that is going in as well as a description of all proposed water uses, such as sprinkler systems, floor drains, showers, etc.
- 16) Please explain why a tee is being installed at Station 3+90 instead of a 90 degree bend.
- 17) Chapter 12, Section 14(f)(v) – The profile shows the cover over the proposed watermain at a little over 3' at approximate Station 3+81 – please address.



# 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

December 13, 2011

E.D. Corky Stetson  
Stetson Engineering, Inc.  
P.O. Box 457  
601 Metz Drive  
Gillette, WY 82717

RE: Antelope Valley Business Park Waterline Project, Campbell County, WY  
WDEQ Application #11-478

Dear Mr. Stetson:

We have completed our review of the permit application submitted on December 1, 2011. 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 Supervisor  
WDEQ/WQD

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

Attachments: WDEQ Comments

cc: Ben Doud, Doud BTS, 25528 Genessee Trail Road, Golden, CO 80401  
Phillip Giffin, P.E., Campbell County Public Works, 500 S. Gillette Ave., Suite 1400, 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:** Antelope Valley Business Park – Phase III Waterline,  
Campbell County, WY

**LOCATION:** Campbell County, Wyoming

**ENGINEER:** Stetson Engineering, Inc.

**APPLICANT:** Ben Doud, Doud BTS

**WATER QUALITY DIVISION APPLICATION NUMBER: 11-478**

**DATE ON PROPOSAL/PLANS/REPORT:** July 13, 2011

**DATE RECEIVED BY DEQ:** December 1, 2011

**DATE OF THIS REVIEW:** December 13, 2011

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

- 1) Chapter 12, Section 6(a) – Please describe the reasoning behind extending a 12” line from one water system (Antelope Valley I&S District) to a development (new commercial building on Lot 14) that is within the service area of another water system (Antelope Valley Business Park). If capacity and/pressures are the issue, then these need to be in the report and explained. The Sanitary Survey performed by EPA on 12/15/10 indicated that the system was “built out”, so it is not clear how or why this water system can be providing water to property outside of the service area.

- 2) The permit application form must also be signed by a legal representative of the Antelope Valley Business Park I&S District as they are the Operator of the water system. In addition, the design report indicated that a copy of the agreement between Antelope Valley Business Park and Antelope Valley I&S was attached – this was not found in the submittal. Please provide.
- 3) Please identify who the engineer of record is – the plans have been stamped by Kyle Lehto; the design report has been stamped and signed by David Meyers, and the application form shows Corky Stetson as the engineer. Please address.
- 4) Page 1 of the design report notes that the new 12” waterline will service Lot 14, provide fire flow to Lots 12 and 14; yet, the plans show a 6” line to Lot 13 and no service lines to 14. Lot 12 doesn’t even show up on the plans. It is also not clear if the reference to “fire flow” is for the fire hydrants or fire sprinkler lines. Please clarify. Also, is the 6” line to supply both domestic and fire flows? If so, are they going to be coming off the same line? How is this going to be configured? And please discuss why there is a fire hydrant on the same line as the service/sprinkler line.
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- 6) Please provide design information for any proposed service or fire lines as required in WDEQ Water Quality Rules and Regulations Chapter 12, Section 6 to include but not limited to needed fire flows and a description of the existing service area and proposed development.
- 7) In accordance with WDEQ Water Quality Rules and Regulations Chapter 12, Section 14 (B)(vii) dead end mains shall be provided with a flushing hydrant or blowoff for flushing purposes, and must be able to achieve a minimum velocity of 2.5 fps in the main being flushed. Please confirm that the hydrant shown at approximate Station 14+50 is adequate for this purpose
- 8) Page 1 of the design report refers to three additional hydrants being installed but the plan set shows four (stations 1+87, 5+55, 10+84, and 14+50). Please address.
- 9) Chapter 12, Section 6 & 14 - The design report indicates that base pressures were taken from the 1999 master plan. Please provide any information to verify the accuracy of the base model versus existing conditions. A new hydrant flow test (at least one) should be done in order to collect current pressure and flow data. Based on this new information, please rerun the model and resubmit. The modeling needs to show flow demands and pressure requirements, as well as demonstrating that the normal working pressure in the distribution system shall not be less than 35 psi. The modeling needs to also include friction losses, levels in the tanks assumed for modeling, etc. Has Antelope Valley I&S done a hydraulic analysis of their system lately?
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- 14) Is a bypass planned for the water meter? Please provide the information on the meter; i.e., the suppliers information and/or submittal information.

- 15) Please provide information on the type and size of the commercial building that is going in as well as a description of all proposed water uses, such as sprinkler systems, floor drains, showers, etc.
- 16) Please explain why a tee is being installed at Station 3+90 instead of a 90 degree bend.
- 17) Chapter 12, Section 14(f)(v) – The profile shows the cover over the proposed watermain at a little over 3' at approximate Station 3+81 – please address.



# 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

December 9, 2011

Albany County Board of Commissioners  
525 Grand Avenue  
Laramie, WY 82070

Subject: Non-Adverse Recommendation, Markle Subdivision, Albany County  
DEQ/WQD Application # 11-479

Dear Commissioners:

The Wyoming Department of Environmental Quality has completed the review of the proposed Markle Subdivision located in the S $\frac{1}{2}$  of Section 30, T16N, R74W, 6<sup>th</sup> P.M., in Albany County, Wyoming. The Markle Subdivision will create 2 lots out of approximately 12.90 acres. The information was submitted by Coffee Engineering & Surveying, signed by Mark Oberschmidt, 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:

There is no proposed new or modified sewer construction of any kind associated with this one-to-two lot split. What will become Lot 1 currently has a house on it that has an existing well and septic system that will not be changed in any way. The new Lot 2 will be returned to commercial zoning and used only as a storage yard for construction equipment and materials. As stated in the subdivision report, "*No improvements to either lot are proposed at this time.*"

Therefore, since there is no sewer system work associated with this lot split, the safety and adequacy of the proposed sewage system is not applicable. However, it can be made clear that there is to be no future sewer system additions to these lots by providing the statements indicated in the "Notes required to be added to the final plat, - -" section below to all pertinent documents.

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

Similarly to the sewer situation, there is no new or modified water system construction associated with this lot split. Therefore, the safety and adequacy of the proposed water system is also not applicable, provided the following statements are added to all pertinent documents.



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

1. No Proposed Public Sewage Disposal System
2. No Proposed Public Domestic Water Source
3. No new water source for Lot 1 proposed. No new septic system proposed for Lot 1. Maintain existing septic system for Lot 1.

**Conclusions:**

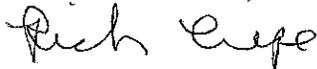
The Department of Environmental Quality has "No Adverse" recommendations applicable to the Markle Subdivision.

**Disclaimer:**

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

Nothing in Department of Environmental Quality recommendations or comments regarding the Coffee Engineering & Surveying Consultants proposal for the Markle Subdivision shall be construed to relieve Markle Development LLC and Mike Markle 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 Albany County to the issuance of required permits for construction, operation, or modification of water supply or sewage systems.

Sincerely,



Rich Cripe, P.E.  
SE District Supervisor  
Water & Wastewater Program, Water Quality Division

RRC/RLE/rm/11-1050

cc: Mark Oberschmidt, Coffee Engineering & Surveying, 902 South 3<sup>rd</sup> Street, Laramie,  
Wyoming 82070  
Markle Development LLC, 106 S Cleveland, Laramie, Wyoming 82070  
Michael Ebsen, SEO

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 11-480

Lingle Wastewater Treatment  
Facility Cell 1 Re-lining 2012

This permit hereby authorizes the applicant:

Town of Lingle  
P.O. Box 448  
Lingle, Wyoming, 82223

to construct, install or modify re-lining Cell No 1 with a 60 mil HDPE liner according to the procedures and conditions of the application number 11-480. The facility is located in Section 20 T25N R62W in the county of Goshen, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 19, 2013.

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

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

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

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

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

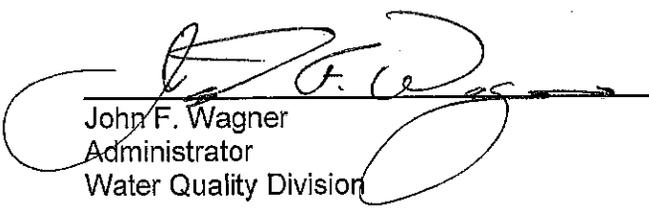
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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

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

- 1 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7075, 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 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

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

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

12-21-11  
\_\_\_\_\_  
Date of Issuance

RRC/rm/11-1076

## STATEMENT OF BASIS

1. Permit Number: 11-480
2. Application reviewed for compliance with the following applicable regulations :  
Chapter(s) 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 required.
5. If Section 17 of Chapter 3 review is required, indicate the basis for determining groundwater will be protected.
  - a. The facility will not allow a discharge to groundwater. The lagoon will be lined with a synthetic liner.
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 Richard Cripe PE, Southeast District Engineer, rich.cripe@wyo.gov, and completed on December 20, 2011. 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

December 9, 2011

Sierra Madre Water & Sewer Joint powers Board  
Dan Jago, Chairman  
P.O. Box 657  
Riverside, WY 82325

RE: 2011 Water Main Improvements;  
Application No. ~~11-484~~ 11-481, Carbon County

Dear Mr. Jago:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installing approximately 1130 feet of 8 inch PVC water main, installing approximately 150 feet of 10 inch HDPE water main, 580 feet of 6 inch water main, and installing five new fire hydrants; Section 1, T14N, R84W and Section 6, T14N, R83W; Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by December 9, 2013.

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. **11-481** In any future correspondence.

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

Sincerely,

Richard R. Cripe PE  
Southeast District Engineer  
Water Quality Division

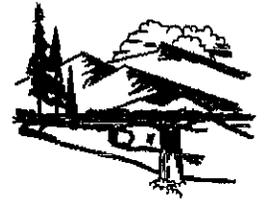
RRC/rm/11-1049

cc: IPS, Cheyenne  
Ken Schwerdt, PMPC Civil Engineers, 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.

Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 7, 2011

William Malloy, Mayor  
Town of Thermopolis  
P.O. Box 603  
Thermopolis, WY 82443

RE: Arapahoe Street Treated Water Main Replacement, Phase I and II . DEQ Permit # 11-482R,  
Hot Springs County, Latitude 43.6471°, Longitude 108.2100°

Dear Mayor Malloy,

This project consists of the construction of 3200 linear feet of 8 inch PVC and 1060 linear feet of 6 inch PVC water lines to replace existing ductile iron and asbestos cement water lines. New HDPE service lines will be installed to the property line terminating at a new curb stop, which will be connected to the existing service line.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7, and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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  
F Anthony Barnett, P.E., Engineering Associates, 429 Broadway, Thermopolis, WY 82443





# 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

January 18, 2012

Lori Grendahl  
125 5<sup>th</sup> Avenue  
Newcastle, WY 82701

RE: Grendahl Small Residential Septic System, Weston County  
Location: SE ¼, Section 21, T. 45N, R. 61W, Newcastle, WY  
Permit # 11-483

Dear Ms. Grendahl:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. The General Permit requirements can be downloaded from 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, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.
3. Flow-divider tees or a distribution box is required to evenly split flow between trenches or rows for a bed system. Standard tees are not an adequate substitute for flow-dividing tees.

**Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils. Please contact me with questions at 307-473-3469.**

Sincerely,

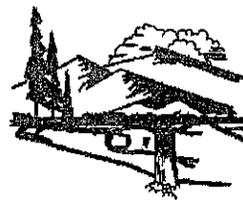
Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
Black Hills Plumbing, 1122 South Summit Avenue, Newcastle, WY 82701  
Weston County Growth and Development, 1 West Main Street, Newcastle, WY 82701





# Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 30, 2011

Drew Dunn  
3320 Yellowstone Road  
Rock Springs, WY 82901

RE: Sweetwater County Events Complex - National High School Rodeo Finals Water and Sewer Main Upgrades, Permit Number 17484R, S ½ Section 10, T19N, R105W, Sweetwater County

Dear Mr. Dunn:

The above application for coverage under General Permits to Construct the extension of a public water supply distribution system consisting of about 3100 linear feet of 6-inch and about 5970 linear feet of 4-inch PVC water main and about 8,180 linear feet of 6 & 8 inch PVC sewer main to serve 560 camp/RV sites in accordance with Chapter 3, Section 7, Chapter 12, Section 14 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permits. 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

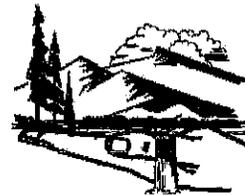
Daniel Kennedy, P.E., JFC Engineers & Surveyors, 1515 Ninth St., Suite A, Rock Springs, WY 82901





# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 9, 2011

Jeff Pecenka  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003

RE: 2012 Sewer Lining Projects,  
Application No. **11-485**, Laramie County

Dear Mr. Pecenka:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as Sewer Rehabilitation for City of Cheyenne. This project is annual sewer main lining at various locations, SW ¼, NW ¼, 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 sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by December 9, 2013.

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. **11-485** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE  
Southeast District Engineer  
Water Quality Division

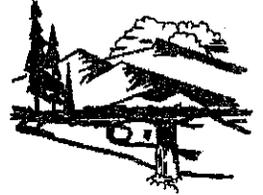
RRC/rm/11-1052

cc: IPS, Cheyenne  
Jeff Pecenka, BOPU, P.O. Box 1469, Cheyenne, WY 82001





# Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 7, 2011

George N. Polydoros, Jr.  
Rocky Mountain Pipeline System, LLC  
2401 East Daley Street  
Rawlins, WY 82301

RE: Wamsutter - BP Great Divide Subdivision Fire Hydrant & Water Main - Permit Number 114/486, NW 1/4 Section 27, T20N, R94W, Sweetwater County

Dear Mr. Polydoros:

The above application for coverage under General Permit to Construct the extension of a public water supply distribution system consisting of about 800 linear feet of 10-inch PVC water main and one fire hydrant 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

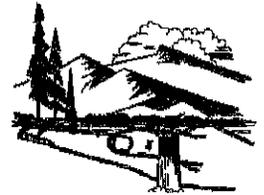
xc: Edward P. Nowak, P.E., Camp Creek Engineering, 410 E. Grand Ave., Suite 205, Laramie, WY 82070





# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 12, 2011

Jeff Pecenka  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003

RE: 2012 Sewer Rehabilitation Projects,  
~~Application No. 11-487~~ Laramie County

Dear Mr. Pecenka:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as Sewer Rehabilitation at various locations in City of Cheyenne. This project includes removing and replacing existing manholes, installing two new manholes, and installation of approximately 1,450 feet of 8 inch PVC sanitary sewer, SE ¼ SW ¼ Section 34, T14N, R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by December 12, 2013.

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. **11-487** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE  
Southeast District Engineer  
Water Quality Division

RRC/rm/11-1056

cc: IPS, Cheyenne  
Jeff Pecenka, BOPU, P.O. Box 1469, Cheyenne, WY 82001





# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 12, 2011

Jeffrey Pecenka  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82001

RE: 2012 Water Rehabilitation Projects  
Application No. **11-488**, Laramie County

Dear Mr. Pecenka:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as replacement of aged or problem water mains in various locations throughout Cheyenne, installation of approximately 4760' of 8 inch FPVC water main, and remove and replace 330' of 8 inch water main, NE ¼ NE 1/4, Section 26, T14N, R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by December 12, 2013.

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. **11-488** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE  
Southeast District Engineer  
Water Quality Division

RRC/rm/11-1057

cc: IPS, Cheyenne  
Jeffrey Pecenka, CBOPU, P.O. BOX 1469, Cheyenne, WY 82001





# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 28, 2011

Shane Ailport  
P.O. Box 1321  
Glenrock, WY 82637

RE: Arctic Oilfield Services Commercial Septic System, **Application No. 11-489**  
Location: SE¼ SW¼, Section 32, T34N, R75W, Converse County  
Lots 3 and 4, Jade Acres

Dear Mr. Ailport:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1500 gallon, two compartment concrete septic tank, a minimum 300 gallon grease interceptor tank, a pump chamber, and about 372 feet of chamber type leachfield divided into six equal length trenches of about 62 feet each for a **building housing office space, an auto parts store, and a restaurant** 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. Additionally, the following project specific conditions also apply:

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. Wye Fitting Required at the Junction of the Sanitary station line and the Building Effluent Line - A sanitary "Wye" fitting is needed at this location, instead of a straight "tee" fitting, to help prevent clogging.



The approval granted under this Notification Of Coverage and the General Permit shall expire on December 28, 2013. Please reference Application Number 11-489 in any future correspondence.

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

Sincerely,



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

RLE/rm/11-1083

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

cc: IPS, Cheyenne  
Robert Bennett, PE, 6080 Enterprise Drive, Casper, Wyoming 82609  
Holly Richardson, Converse County Office of Special Projects, 107 N. 5<sup>th</sup>,  
Suite B6, Douglas, Wyoming 82633



# Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 13, 2011

South Cheyenne Water and Sewer District  
Dena Hansen, Manager  
215 E. Allison Road  
Cheyenne, WY 82007

RE: SCWSD – Sanitary Sewer Main 2012,  
Application No. ~~11-490~~ Laramie County

Dear Mr. Hansen:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installation of approximately 2160 ft of 8 inch SDR 35 PVC sanitary sewer, N 1/2, Section 18, T13N R 66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by December 13, 2012

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. **11-490** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE  
Southeast District Engineer  
Water Quality Division

RRC/rm/11-1060

Enclosure: Certificate of Completion

cc: IPS, Cheyenne  
James Johnson, Johnson Engineering Assoc., 110 Superior Ct., Laramie, WY 82072





# 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

December 14, 2011

Jack Peterson  
161 H-Kay Road  
Moorcroft, WY 82721

RE: Peterson Small Residential Septic System  
Location: Section 8, T. 50N, R. 65W, Crook County, WY  
Permit # 11-491

Dear Mr. Peterson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. The General Permit requirements can be downloaded from 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, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.
3. Flow-divider tees or a distribution box is required to evenly split flow between trenches or rows for a bed system. Standard tees are not an adequate substitute for flow-dividing tees.

**Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at 307-473-3469.

Sincerely,

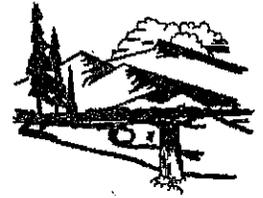
Jason Vreeland, P.E.  
Assistant NE District Engineer  
WDEQ/WQD

cc: IPS, Cheyenne  
WDEQ Casper File  
SD Construction, 481 Pine Ridge Road, Moorcroft, WY 82721  
Tim Lyons, Crook County Growth and Development





# Department of Environmental Quality



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John Corra, Director

Matt Mead, Governor

## NOTIFICATION OF COVERAGE

December 22, 2011

Pete Frullo  
519 Cheyenne Drive  
Rock Springs, WY 82901

RE: Frullo Small Wastewater Treatment System - Permit Number 11-494, East 40  
Subdivision Lot 6, S 1/2 SW 1/4 & SW 1/4 SE 1/4, Sec 2, T33N 109W, Sublette County

Dear Mr. Frullo:

The above application for coverage under General Permit to Construct a small wastewater enhanced treatment facility consisting of a septic tank with the integral Bio-Microbics MicroFAST® 0.75 wastewater treatment system rated at 750 gallons per day and leach field to serve a three bedroom home in accordance with Chapter 3, Chapter 11, Part D and Chapter 23 Section 7 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permits. 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)

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

- 1 of 5 This permit is for an enhanced small wastewater treatment system. The permittee is required to obtain a maintenance contract and submit annual documentation that maintenance is being provided in accordance with the manufacturer requirements and recommendations and the permit conditions. Authority for this requirement is found in Sections 11 (a) and (c), Chapter 3 of the Wyoming Water Quality Rules and Regulations. Annual maintenance documentation must be submitted before December 31 of each year, starting December 31, 2012 to: Southwest District Engineer, Wyoming Department of Environmental Quality, 510 Meadowview Drive, Lander, WY 82520. Failure to submit annual maintenance documentation is a violation of the compliance requirements for this permit issued under Wyoming Statute 35-11-301.

Page 1 of 2

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

ABANDONED MINES  
(307) 332-5085

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



2 of 5 The permittee shall ensure that the system is maintained and regularly serviced, as recommended by the manufacturer, for the life of the system. An inspection of the system, as recommended by the manufacturer in the owner's manual, shall be performed every six months by a qualified or certified individual to ensure the system is operating correctly, and to determine when maintenance is required.

3 of 5 In the event that authority for permitting enhanced small wastewater treatment systems is delegated to Sublette County by the Department of Environmental Quality, the permittee shall be subject to all county requirements and resolutions that may be in effect, or subsequently enacted, affecting the inspection, operation, maintenance, monitoring, or replacement of this system.

4 of 5 This small enhanced wastewater treatment system must continually achieving the following minimum treatment standards as required by Chapter 23, Section 7(d)(viii)(C) of the Wyoming Water Quality Rules and Regulations at a depth of 4.0 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)

5 of 5 The bottom of the leach field must be at least 4.0 feet above the seasonally high ground water.

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

Sincerely,



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

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



# 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

January 5, 2012

Barry Venn, P.E.  
609 Consulting, LLC  
5830 E. 2<sup>nd</sup> Street  
Casper, WY 82609

RE: Poison Spider Water System Improvements Project, Natrona County, WY  
WDEQ Application #11-495

Dear Mr. Venn:

We have completed our review of the permit application submitted on December 12, 2011. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact either Karen Farley at (307) 473-3478 or Jason Vreeland 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 Supervisor  
WDEQ/WQD

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

Attachments: WDEQ Comments

cc: Barry Venn, P.E., 609 Consulting, LLC, 5830 East 2<sup>nd</sup> Street, Casper, WY 82609  
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:** Poison Spider Water System Improvements Project

**LOCATION:** Natrona County, Wyoming

**ENGINEER:** 609 Consulting, LLC

**APPLICANT:** Poison Spider Improvement and Service District

**WATER QUALITY DIVISION APPLICATION NUMBER: 11-495**

**DATE ON PROPOSAL/PLANS/REPORT:** November 18, 2011

**DATE RECEIVED BY DEQ:** December 12, 2011

**DATE OF THIS REVIEW:** January 5, 2012

**WDEQ REVIEWER:** Karen Farley, P.E., 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**

- 1) Chapter 12, Section 6(a) – The design report references the Level II Study that was done for the District water system. In the study's summary, there are numerous remedies to some of the issues with the system, but it appears that not all of them are being implemented at this time. Please clarify which recommendations from the study are going to be implemented, and why. Please resubmit a design report which clearly states why, how and what is being built now, what will (or may) be built in the future, and what effects, adverse or beneficial, can be realized with this project.

- 2) Chapter 12, Section 14(h) – The plan view does not adequately show contours, and as a result, it's almost impossible to distinguish where all the surface water crossings are located at. Please either expand the topo so that this is obvious on the plan view, or provide a comment (with elevations) that shows where these are. Once these crossings are identified, please ensure that the crossings meet DEQ requirements for surface water and/or storm sewer crossings. Please be reminded that regulations call for a minimum of 2 feet of cover over water crossings and 18" of vertical clearance over culverts. In addition, all culverts must be specially supported at the crossing. Please revise all crossings indicating how the culvert will be supported and if the pipe will be placed in a separate conduit pipe if vertical clearances are not maintained.
- 3) Chapter 12, Section 14(b)(iii) – Page 2 of the design report indicates that the improvements are intended to provide service for a rural type water system that does not provide fire protection. However, looking at the drawings submitted and at previous permits in the area (specifically, Poison Spider School, DEQ #07-458), it is apparent that there are existing fire hydrants. Please provide information on any fire protection that Poison Spider School may have. The plan set also shows an existing fire hydrant connected to the system at station 10+00 on sheet 4 (Shinn Road) and sheet 16 shows an additional fire hydrant connected to the system at station 10+00. In accordance with WQRR Chapter 12, Section 14(b)(iii) and Section 14(b)(v) please model the system to include the appropriate fire flows. If they are not to be used for fire suppression, then the hydrants should be removed and/or replaced with flushing hydrants.
- 4) Chapter 12, Section 14(b) - Page 3 of the design report indicates that pipe meeting AWWA C900 or C909 will be used on this project. Please provide the dimension ratio or pressure class for the pipe.
- 5) Chapter 12, Section 14(c) – Page 3 of the report states that "...valve spacing in some areas exceeds the WDEQ standards". The report also states that the valves have been spaced so that inconvenience will be minimized during repairs. Please explain how this requirement is met, when there are valves that are spaced to as much as 2,600' apart. There does not seem to be any logic to the spacing.
- 6) Chapter 12, Section 6(a) and 14(b) - The submittal references the modeling done by CEPI of the entire CWRWS in April of 2009 – please provide this office with a copy of this modeling.
- 7) The design report states that the Pioneer Booster station pumps water to the Pioneer storage tank and that this tank is what provides the water to the Poison Spider system. How can the booster station be included in any calculations or discussions concerning pressures and/or water age? It doesn't appear to have anything to do with either.
- 8) The sanitary survey done for Pioneer Water & Sewer District by EPA in 2009 stated that "At the time of inspection, there was no detectable chlorine residual." The sanitary survey done for Poison Spider in 2010 stated that "Monitoring of the chlorine residual is necessary in order to ensure detectable chlorine residual is being maintained in all portions of the distribution system." These two statements indicate that the lack of chlorine residual may be an issue with the Poison Spider system, which is not recommended. Further, the water age of systems tend to decrease chlorine residuals and increase disinfection by-products. This is an issue that needs to be addressed, particularly if the lines are proposed to be increased in size.
- 9) Page 4-1 of the Hydraulic Analysis Report notes that the model wasn't calibrated because it was assumed that it had already been calibrated. This is not a good assumption. Please have the district perform at least one fire flow test to determine the veracity of the assumptions made in

- the modeling. The level in the tank, time of day, etc., will also need to be documented.
- 10) The hydraulic modeling report done by C.H. Guernsey discusses water age within the system. Generally speaking, water age increases when pipe sizes are increased but water use remains unchanged. Please explain further how the improvements will decrease the water age of the system, which appears excessive regardless. Also, for this study, the age of the water was assumed to be zero when the water leaves the tank. This is not an accurate statement. Please reevaluate this.
  - 11) Sheet 4 shows a culvert at station 12+25 in the profile and station 11+75 in the plan labeled as "EXISTING X" CULVERT, X' DEEP". Please clarify the location and size of the culvert.
  - 12) Sheet 5 shows an 8" gate valve and tee installed at approximately 30+25. The profile labels these at station 36+00. Please clarify the location of the gate valve and tee.
  - 13) Chapter 12, Section 14(b)(vii) – Flushing hydrants are being installed at various locations on the project. Please provide a detail for the flushing hydrants. Also, please provide the calculations that demonstrate that the flushing hydrants will provide 2.5 fps in the mains being flushed for **each** hydrant. This is being requested because not all of the mains are the same size (8, 6, and 2), yet, most of the flushing hydrants proposed are 6".
  - 14) Sheet 7 shows two existing culverts at approximately station 48+50. The plan view indicates that these are 96" and 72" culverts but the profile shows the culverts as approximately 36". Please clarify the size of the culverts and revise the plan set as necessary. Further, is this a surface water crossing (ie, a creek?). If so, please refer to Chapter 12, Section 14(h) for the minimum requirements for surface water crossings. Also, a special detail of these crossings will need to be provided (Chapter 12, Section 7(c)(iii)).
  - 15) Sheet 7 shows a gate valve at approximately 46+50 on the profile but it is labeled as Station 10+10. Please address.
  - 16) Please comment on the existing water line that is shown running to the west at approximate Station 89+00 on Sheet 10 – is it a service line and is it to remain in service?
  - 17) Please comment on why the new 1" service lines shown on Sheet 11 and Sheet 14 are proposed to be directionally drilled.
  - 18) For the stream crossing shown on Sheet 12, please refer to Chapter 12, Section 14(h) for minimum requirements for surface water crossings (and provide a detail).
  - 19) The plan set calls for directional drilling at several locations on the project. While a note is placed above the profile indicating the range of where the directional drilling occurs, please show these locations on the plan and profile views. We also need to know why the directional drilling is proposed for these locations.
  - 20) Sheet 12 shows an existing 72" culvert in the plan view but shows an approximately 12" culvert in the profile view. Please address.
  - 21) Sheet 13 shows two separate culverts in the profile views that do not correspond to the sizes given in the plan view – please address.
  - 22) On Sheet 15, please provide information on the existing culvert shown at approximate station 142+50 and correct on the plans.
  - 23) In the profile view of Sheet 15, the note says "INSTALL 980 L.F. 6" PVC PIPE", however, other notes indicate that an 8" is proposed. Please address.
  - 24) On Sheet 15, the tee shown at 151+80 appears that it is supposed to be 8"x8"x8" – please address.

- 25) Detail "B" on sheet 16 shows an existing 8"x6" tee connecting a fire hydrant to an existing 2" water line. In the same detail, a new 8" tapping saddle and gate valve is shown. This detail is confusing – please address. Another problem with Sheet 16 is that in the profile view, it says "INSTALL 1200 L.F. OF 6" PVC PIPE", yet the detail implies that it is supposed to be 8".
- 26) Sheet 17 & 18 – between Station 32+50 and 39+50, is this another surface water crossing? If so, please provide a detail of the crossing and explain why directional drilling is being proposed.
- 27) Chapter 12, Section 14(e) – Sheet 19 – a high point is shown at Station 57+60 – please address.
- 28) Sheet 20 – are vertical bends intended at 60+10 and 62+10, or will deflection be possible through here?
- 29) Sheet 20 shows an existing X" culvert at station 60+25. Please revise the plan set with the culvert size.
- 30) Sheet 21 – where does the 6" line go to and what is it for?
- 31) Sheet 22 shows a 1" service being installed at approximately 92+25. The profile shows this section of main as being either encased or fusible pipe, presumably due to the adjacent leachfield. Please revise the location of the service. Also, is there a permit with Natrona County Health Dept for this leachfield? If so, please provide.
- 32) Sheet 22 – Station 89+75 – inadequate cover over the water main – please address.
- 33) Sheet 23 – why is a tee with a plug being installed at Station 101+25?
- 34) Sheet 24 – Detail "C" makes no sense. Please address and clarify what is happening here.
- 35) Sheet 24 – High points need to be addressed at the bore location.
- 36) Sheet 24 calls for the installation of an 8" gate valve at station 109+00 but is labeled as station 100+00 in the profile. Please revise the appropriate text or location.
- 37) Sheet 27 shows an 8" gate valve installed with a 6"x6" tee. Please revise the plan set with the appropriate sizes.
- 38) Sheet 27 & 28 – The "EPL" shown in the plan view is the existing irrigation line? Please show in the profile also. Is it connected to the main line?
- 39) Sheet 28 shows an 8" gate valve being installed at station 26+85 and a 6" bend at station 27+70. Please revise the plan set with the appropriate sizes.
- 40) Sheet 29 – a service line cannot be connected to a hydrant lead line; please address.
- 41) Sheet 30 – high point in this line – please address.
- 42) Sheet 31 – this section is not within the service area, is that correct? If so, who will own the line?
- 43) Sheet 31 shows a culvert at approximately station 19+50 in the plan view but doesn't show a culvert in the profile view. Please show the culvert in the profile view.
- 44) Sheet 32 – why is a tee being installed at the end of this line?
- 45) Sheet 33 – the main and the flushing hydrant appear to be too close to the culvert – please address.
- 46) Sheet 33 shows an 8"x8"x6" tee being installed at station 10+00 but labels it as station 63+18 on the profile. In addition, an 8" gate valve and 8"x2" reducer are shown at station 10+75 but labeled as 36+10 on the profile. Please revise the stationing on the labels and revise the size of the tee or line due to the size of the gate valve and reducer conflicting with the size of the tee.
- 47) Sheet 33 shows a 6"x6"x6" tee being installed after being reduced to a 2" line and attaching a 2" flushing hydrant to the tee. Please revise the labels and pipe sizes on the plan set.

- 48) Please comment on the services that are proposed to be installed; some are shown on the plans and others are not. Are they going to be located in the field? What sizes are planned?
- 49) Chapter 12, Section 6(d) – Hazard classifications will need to be done for each service line and each connection. Appropriate backflow prevention will need to be installed, if necessary.
- 50) ~~Verification of easements will need to be submitted to this office.~~
- 51) A capacity development assessment will need to be completed for the Poison Spider Improvement and Service District prior to the issuance of a Permit to Construct. You can find information for this at the following link:

<http://deq.state.wy.us/wqd/www/Capdev/index.asp>



# Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

December 29, 2011

Gerry Chase  
Sublette County School District No. 9  
P.O. Box 769  
Big Piney, Wyoming 83113-0769

RE: Big Piney K-5 Elementary School- Water and Sewer Mains - ~~(Permit Number 11-497)~~ NE ¼ SW ¼ Section 31, T30N, R111W, Sublette County

Dear Mr. Chase:

The above application for coverage under General Permits to Construct the extension of a public water supply distribution system consisting of about 1388 linear feet (LF) of 6-inch PVC water main and about 132 LF of 6-inch PVC sewer main and about 841 LF of 8-inch PVC sewer main in accordance with Chapter 3, Section 7, Chapter 12, Section 14 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permits. 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  
David A. Dufault, P.E., Nelson Engineering, P.O. Box 1599, Jackson, WY 83001





# Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 3, 2012

Amy Kania, Mayor  
Town of Basin  
P.O. Box 599  
Basin, WY 82410

RE: Town of Basin Sewer Flush Tank Replacement 2011  
~~DEQ Permit # 11-498R~~  
Big Horn County, Latitude 44.37708, Longitude -108.042025

Dear Mayor Kania,

This project consists of the replacement of 12 abandoned flush tanks with 12 4-foot diameter manholes at the same locations.

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

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

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  
Sherman B. Allred, P.E., Donnell and Allred, Inc. P.O. Box 638, Worland, WY 82401

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





# 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

January 26, 2012

Casey Hanson, P.E.  
Morrison-Maierle, Inc.  
315 N. 25<sup>th</sup> Street  
Suite 102  
Billings, MT 59101

RE: Hidden Valley Pressure Zone Project, City of Gillette Project No. 11UT03  
Location: SE ¼ Section 6, T. 49 N, R. 72 W, Campbell County, WY  
WDEQ Application #11-499

Dear Mr. Hanson:

We have completed our review of the permit application submitted on December 14, 2011. 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 Supervisor  
WDEQ/WQD

Attachments: WDEQ Comments

cc: Steven Peterson, P.E., City of Gillette, P.O. Box 3003, Gillette, WY 82717-3003  
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:** Hidden Valley Pressure Zone Project

**LOCATION:** Campbell County, Wyoming

**ENGINEER:** Morrison-Maierle, Inc.

**APPLICANT:** City of Gillette

**WATER QUALITY DIVISION APPLICATION NUMBER: 11-499**

**DATE ON PROPOSAL/PLANS/REPORT:** December 14, 2011

**DATE RECEIVED BY DEQ:** December 14, 2011

**DATE OF THIS REVIEW:** January 26, 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**

- 1) WWQRR Chapter 12, Section 8(d)(iii) – Please note whether an alternate power source will be supplied to the booster pump station.
- 2) WWQRR Chapter 12, Section 12(c)(ii) – The design report requests a variance to the slope floor requirement due to the pump station being pre-manufactured. The manufacturer’s website reports that pump stations are designed to the customer’s exact application. Please indicate whether the manufacturer has been contacted regarding the floors being sloped and if they are not able to manufacture a sloped floor.

- 3) WWQRR Chapter 12, Section 12(c)(ii) – Sheet M-1 notes “blowoff to drain” at the end of the pipe for the blowoff. Please indicate on the drawing where the blowoff is to connect to the floor drain system.
- 4) WWQRR Chapter 12, Section 12(c)(i) – Construction specification section 02666, 2.04(B) does not appear to indicate that the doors are to open outward. If this is noted elsewhere, please identify the location or revise the specifications to reflect this requirement.
- 5) WWQRR Chapter 12, Section 7(c)(ii) – Please indicate the type and class of PVC pipe.
- 6) WWQRR Chapter 12, Section 12(c)(iv) – Please show the proposed sewer crossing for the floor drain on profile sheet WA-1. Also, please indicate if the drain line daylights, connects to the storm sewer system, or connects to the sanitary sewer system.
- 7) WWQRR Chapter 12, Section 12(c)(iv) – Please indicate the location of the waterline on Sheet M-2.
- 8) Please provide plans “for construction”. The plan set submitted indicates that they are a 90% design and not for construction.
- 9) Sheet WA-1 shows a 12” waterline out of the booster station where it connects to a 12” tee and is then reduced to an 8” waterline. Please provide information regarding the purpose of the 12” tee and 12” waterline out of the booster pump station.



# 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

February 6, 2012

John Wetstein, P.E./P.G.  
Wester-Wetstein and Associates, Inc.  
P.O. Box 2202  
Laramie, WY 82073-2202

RE: Resubdivision of Lot 2, Means Industrial Park, Campbell County  
WDEQ Application #11-500

Dear Mr. Wetstein:

Attached, please find comments developed by the Wyoming Department of Environmental Quality (WDEQ) with respect to the content and adequacy of the subdivision application materials submitted to WDEQ pursuant to Wyoming Statute §18-5-306. Please note that these are review comments and do not constitute final comments and recommendations on the subdivision application submitted under W.S. §18-5-306.

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.  
WDEQ/WQD Northeast District Supervisor

Attachments: WDEQ Comments, SEO Comments

cc: Christopher Rockers, Magna Real Estate Development, LLC, 385 Interlocken Crescent, Suite 250,  
Broomfield, CO 80021  
Campbell County Planning Office, 500 South Gillette Ave., Suite 1500, Gillette, WY 82716  
Robert P. Swanson, P.E., PCA Engineering, Inc., P.O. Box 2185, Gillette, WY 82717  
WDEQ, IPS



**SUBDIVISION PROGRAM  
REVIEW OF PLANS & SPECIFICATIONS / REPORTS**

**WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION**

**152 North Durbin Street, Suite 100  
Casper, Wyoming 82601  
Phone (307) 473-3465**

**PROJECT:** Resubdivision of Lot 2 – Means Industrial Park

**LOCATION:** Campbell County

**ENGINEER:** Wester-Wetstein and Associates, PCA Engineering

**OWNER/REPRESENTATIVE:** Christopher Rockers, Magna Real Estate Development, LLC

**WATER QUALITY DIVISION APPLICATION NUMBER: 11-500**

DATE ON PROPOSAL/PLANS/REPORT: November 2011

DATE RECEIVED BY DEQ: December 13, 2011

DATE OF THIS REVIEW: February 6, 2012

WDEQ REVIEWER: Karen L. Farley, P.E.

**ACTION:** **Application Incomplete**  
See attached comments

**This review may not include all deficiencies and shall not be construed as a complete comprehensive list.**

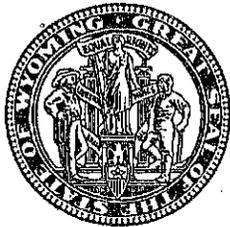
## **WDEQ COMMENTS**

### **General Comments:**

- 1) ~~The application must also be signed by the Operator (in this case, the district).~~
- 2) Chapter 23, Section 7(d)(ii)(A) – The percolation tests were done at 8 feet but yet the typical depth of a leach field (as stated in the report) is 3-5 feet. Please have the percolation tests done at the depth of the proposed leachfields, or are these lots proposed to have leachfields that are 8 feet deep?
- 3) Please provide information on septic systems that exist on adjacent lots, and specifically if there have been any failures or other problems with this type of on-site disposal. Please provide copies of permits issued, if available.
- 4) Chapter 23, Section 8(b)(ii) - The submitted report states that “The applicant will provide a copy of the agreement by the Means water district to grant water service to the site”. This has not been provided to this office as of today’s date.
- 5) The submitted report does not discuss the drainage or the pond that is clearly visible on Google Earth on the western and southern side of the site. Please address.

### **SEO Comments:**

The State Engineer’s Office (SEO) has reviewed the information submitted and has provided comments detailing applicable SEO rules, policies, and the determination of water rights. A copy of the review comments provided by the State Engineers Office is attached for your reference.



# 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

February 13, 2011

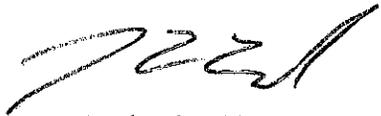
David Kline  
Thunder Basin Coal Company, LLC  
P.O. Box 406  
Wright, WY 82732-0406

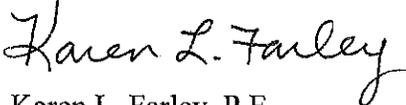
RE: Black Thunder Septic Treatment Facility  
Location: SE ¼ Section 17, T. 43 N, R. 70 W, Campbell County, WY  
WDEQ Application #11-501

Dear Mr. Kline:

We have completed our review of the permit application submitted on December 15, 2011. 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 or (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: Keith Williams, Thunder Basin Coal Company, LLC, P.O. Box 406, Wright, WY 82732-0406  
Keshav R. Gnawali, P.E., Consolidated Engineers, Inc., 316 S. Gillette Avenue, Gillette, WY 82717-1035  
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:** Black Thunder Septic Treatment Facility  
**LOCATION:** Campbell County, Wyoming  
**ENGINEER:** Consolidated Engineers, Inc.  
**APPLICANT:** Keith Williams, Thunder Basin Coal Company, LLC

**WATER QUALITY DIVISION APPLICATION NUMBER: 11-501**

**DATE ON PROPOSAL/PLANS/REPORT:** December 15, 2011

**DATE RECEIVED BY DEQ:** December 15, 2011

**DATE OF THIS REVIEW:** February 13, 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**

- 1) Chapter 11, Section 6(b)(ii) – The design report indicates that the average design flow used is based on the highest potable water usage in the last seven years but does not indicate the frequency that this peak number was derived from; i.e. is this the peak hour, day, week, or year? Please provide the raw data showing the potable water usage for each year (month also, if available) AND the number of corresponding employees. From this, please recalculate the water usage PER EMPLOYEE for average and peak usage.

- 2) Chapter 11, Section 18(e)(i) – The design report states that a sub-surface report was not performed. Please review this section for requirements that must be met if a sub-surface report is not provided for a lagoon site.
- 3) Chapter 11, Section 18(e)(ii)(B) – Soil characterization forms provided in Appendix B of the design report indicate that in areas of the proposed pond the soil was moist or wet. Please provide information documenting that the seasonal high groundwater is below the bottom of the lagoon or stabilize the liner to prevent it from rising.
- 4) Chapter 11, Section 18(a)(ii)(A)&(C) – This is a non-discharging lagoon (Nonsurface water discharging pond), not a facultative lagoon. Nonsurface water discharging ponds are to be design on the basis of a water balance that considers evaporation and seepage. Water balance calculations shall be submitted with the plans and specifications. Further, the BOD<sub>5</sub> loading for non-discharging lagoons shall not exceed 14 lb/acre/day based on the average annual BOD<sub>5</sub>. Please address.
- 5) Chapter 11, Section 18(a)(iv) – As indicated in the design report this is a total retention system and is considered a nonsurface water discharging pond. Nonsurface water discharging ponds shall be designed to provide sufficient storage to retain all wastewater and rainfall during the wettest year or record during a ten year period of record. Please demonstrate that the proposed pond(s) has adequate capacity to satisfy this requirement by providing the water balance requested above. Please provide all assumptions, calculations, and resulting conclusions.
- 6) Chapter 11, Section 18(d)(ii) – What is the WDEQ/LQD “approved temporary seed mix”?
- 7) Please explain the intended purpose of the existing septic tanks that are proposed to remain in place.
- 8) Please provide information on the existing pump station and its capacity for accommodating the current and future flows.
- 9) Please comment on any problems that could be encountered between the leachfield piping that is “left in place” and the liner. The piping will be subjected to considerably higher loading rates that before and this may result in structural problems with the pipe.

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 11-503

YODER WELL HOUSE AND WELL CONNECTION  
PWS WY5600169

This permit hereby authorizes the applicant:

Town of Yoder  
P.O. BOX 158  
YODER, WY, 82244

to construct, install pump in new well, connect well to water system, new well house, new chlorine system piping, telemetry, according to the procedures and conditions of the application number 11-503. The facility is located in Sections 21; T23N R62W; Goshen County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed January 10, 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.

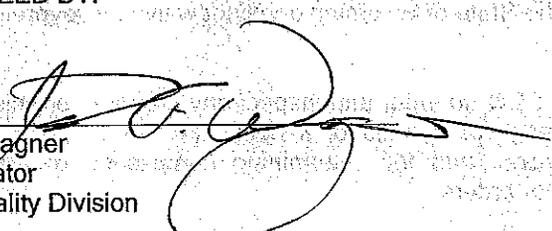
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

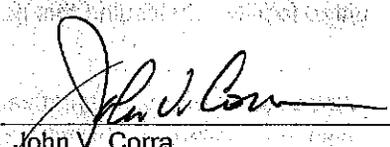
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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 307-777-7075, 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. The sample tap shall be of the smooth-nosed type without interior or exterior threads, shall not be of the mixing type, and shall not have a screen, aerator, or other such appurtenance.
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

  
John V. Corra  
Director  
Department of Environmental Quality

Date of Issuance 1-11-12

RRC/rm/12-0023

## STATEMENT OF BASIS

1. Permit Number: **11-503**

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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
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 Richard Cripe, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on January 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

*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

December 29, 2011

J. Enos Ray and Julie A. Ray  
P.O. Box 244  
Beulah, WY 82712

RE: Ray Small Residential Waste Water System,  
88 Eagle Ridge Road, Beulah, WY, NE ¼, SW ¼, Section 24, T53N, R61W, Crook County  
As Built Permit # 11-504

Dear Mr. and Mrs. Ray:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. The General Permit requirements can be downloaded from 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)

**This Notification of Coverage is issued in response to the submission and completion of the required septic system information for an as-built permit. The system generally complies with Wyoming Department of Environmental Quality/Water Quality Regulations governing Small Wastewater Systems.**

If you have any questions, please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3478. Thank you.

Sincerely,

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

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





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Matthew H. Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 9, 2012

Brush Creek, LLC  
Attn: Lawrence E. Burnell, Managing Partner  
Star Route 10  
Saratoga, WY 82331

RE: Brush Creek Ranch – Employee Housing AS-Built Water System, App. # 11-505  
Location: NE¼, Section 28, T16N, R82W, Carbon County

Dear Mr. Burnell:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a mostly already constructed Public Water Supply System consisting of a water supply well, 5000 gallon water storage tank, two wet wells, a pump house with chlorine disinfection and system controls, and distribution lines to three locations in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved – provided the conditions listed below are completed. You are authorized to finish constructing, installing or modifying the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific conditions also apply:

1. Water Storage Tank Manway Entrance Requirements - either the manway on the water storage tank shall be extended or the landscaping around the manway shall be modified such that the lid on the manway is at least 18 inches above finished grade.
2. Air Vent Requirement - the opening for the air vent from the water storage tank shall be at least 24 inches above finished grade.
3. Screening Required - a 24-mesh, non-corrosive screen shall be installed over the openings of any exposed pipes; such as the air vent or overflow pipes.

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

|                                                  |                                                   |                                               |                                                     |                                                |                                                      |                                                 |
|--------------------------------------------------|---------------------------------------------------|-----------------------------------------------|-----------------------------------------------------|------------------------------------------------|------------------------------------------------------|-------------------------------------------------|
| ADMIN/OUTREACH<br>(307) 777-7758<br>FAX 777-7882 | 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 777-5864 | SOLID & HAZ. WASTE<br>(307) 777-7752<br>FAX 777-5973 | WATER QUALITY<br>(307) 777-7781<br>FAX 777-5973 |
|--------------------------------------------------|---------------------------------------------------|-----------------------------------------------|-----------------------------------------------------|------------------------------------------------|------------------------------------------------------|-------------------------------------------------|

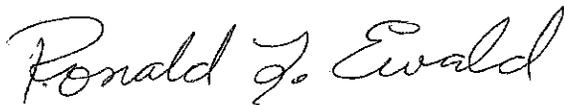


4. Chlorine Spill Protection / Containment - secondary containment adequate to contain the entire volume of product should a leak or spill happen, shall be constructed around the chlorination supply tank in the pump house.
5. Pump House Construction Requirements - the pump house door shall have the ability to be locked.
6. Finished As-Constructed Plans - as-constructed plans, and/or photographs, for the additions and corrections identified in items 1 through 5 above, shall be submitted to this office within 60 days of completion.

The approval granted under this Notification Of Coverage and the General Permit shall expire on January 9, 2014. Please reference Application Number 11-505 in any future correspondence.

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

Sincerely,



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

RLE/rm/12-0020

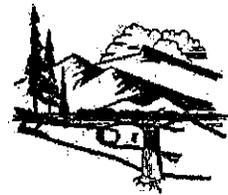
Enclosures: GENERAL PERMIT - Extensions/Modifications of Existing Public Water  
Supply Distribution Systems  
Certificate of Completion Form

cc: IPS, Cheyenne  
Mark Butler, Inberg-Miller Engineers, 350 Parsley Boulevard, Cheyenne, WY 82007  
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West  
Buffalo Street, Suite 336, Rawlins, Wyoming 82301



# 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

January 17, 2012

Elmer Yoder  
63 Horseshoe Lane  
Hulett, WY 82720

RE: Yoder Residential Privy and Land Application of Domestic Septage, Crook County  
Location: SE ¼, Section 23, T. 55N, R. 66W, Crook County, WY  
Permit # 11-506

Dear Mr. Yoder:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility and General Permit for Domestic Septage Land Application in Remote areas in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with the general permit and materials submitted in your application package. The General Permit requirements have been included.

Additionally, the following permit condition applies:

1. The privy shall be constructed to prevent access by flies and rodents.
2. The vault shall be accessible for waste removal and ventilated to a point outside and above the outhouse building. The outhouse building shall have a set of vents installed near the floor on two opposite sides of the building and a roof vent that has a rain cap. All vents shall be screened.
3. The application of domestic septage between November 1<sup>st</sup> and May 1<sup>st</sup> should be avoided. If domestic septage is land applied during these months, it must not be applied during wet or frozen conditions.
4. A sufficient quantity of lime shall be added to raise the pH of the septage to 12 at least 30 minutes prior to land application.
5. Complete the WWQRR Chapter 15 worksheet (Appendix C) subsequent to each land application and keep for at least five years. These records shall be made available upon request by WDEQ or Crook County Growth and Development.

Please contact Crook County Growth and Development for further County requirements and to schedule construction inspection. Please contact me if you have any questions at 307-473-3469.

Sincerely,

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

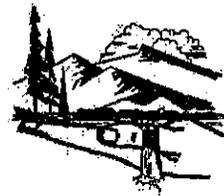
cc: IPS, Cheyenne  
WDEQ Casper File  
Tim Lyons, Crook County Growth and Development





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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

January 17, 2012

Orva Yoder  
25 Horseshoe Lane  
Hulett, WY 82720

RE: Yoder Residential Privy and Land Application of Domestic Septage, Crook County  
Location: NE ¼, Section 26, T. 55N, R. 66W, Crook County, WY  
Permit # 11-507

Dear Mr. Yoder:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility and General Permit for Domestic Septage Land Application in Remote areas in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with the general permit and materials submitted in your application package. The General Permit requirements have been included.

Additionally, the following permit condition applies:

1. The privy shall be constructed to prevent access by flies and rodents.
2. The vault shall be accessible for waste removal and ventilated to a point outside and above the outhouse building. The outhouse building shall have a set of vents installed near the floor on two opposite sides of the building and a roof vent that has a rain cap. All vents shall be screened.
3. The application of domestic septage between November 1<sup>st</sup> and May 1<sup>st</sup> should be avoided. If domestic septage is land applied during these months, it must not be applied during wet or frozen conditions.
4. A sufficient quantity of lime shall be added to raise the pH of the septage to 12 at least 30 minutes prior to land application.
5. Complete the WWQRR Chapter 15 worksheet (Appendix C) subsequent to each land application and keep for at least five years. These records shall be made available upon request by WDEQ or Crook County Growth and Development.

Please contact Crook County Growth and Development for further County requirements and to schedule construction inspection. Please contact me if you have any questions 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

January 10, 2012

Randy Hunter  
778 Sybille Creek Road  
Wheatland, Wyoming 82201

RE: Hunter Labor House Septic System,  
Location: SE¼ SE¼, Section 13, T23N, R69W,

Application No. **11-508**  
Platte County

Dear Mr. Hunter:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1250 gallon, two compartment, concrete septic tank discharging into about 180 feet of chamber type trench leachfield divided into two equal length trenches of about 90 feet each for a 4 bedroom house in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific condition also applies:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on January 10, 2014. Please reference Application Number **11-508** 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/12-0024

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Certificate of Completion

cc: IPS, Cheyenne  
Tyler Dodge Excavating, 1256 Sybille Creek Road, Wheatland, WY 82201  
Platte County Planning Office, Reed Elmquist, PO. Box 728, Wheatland, WY 82201

