

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

May 27, 2011

Fred Ells
2043 Mariposa
Boulder, Colorado 80312

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

Application No. 11-101
Platte County

Dear Mr. Ells:

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 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 your application package. 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.

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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- 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 **11-101** in any future correspondence.

If you have any questions, please contact me by either email at 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/11-0516

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

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: 11-101

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

Chap. 11, Sec 36(a) -

plenty of structural strength above this pipe.

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 3¹. (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 archives 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 May 27, 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."

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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-102R

Town of Star Valley Ranch-Phase III Water Improvements
PWS Number WY5600287

This permit hereby authorizes the applicant:

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

to construct a public water supply system consisting of the Muddy String Transmission Line (8 and 6 inch PVC water main), Well #3 connection and well house, Green Canyon Pump Station and the Prater Tank Disinfection System according to the procedures and conditions of the application number 11-102R. These facilities are located in and near the Town of Star Valley Ranch, within the NE ¼ Section 25, T35N, R119W and N ½ Section 31, T35N, R118W and NE ¼ Section 30, T35N, R118W in the county of Lincoln, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by April 8, 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.

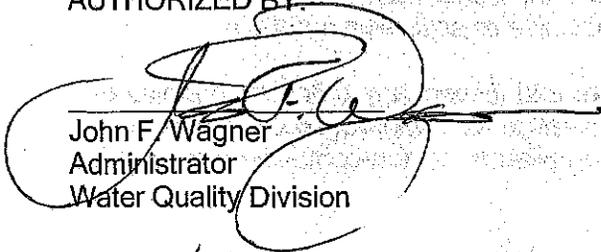
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

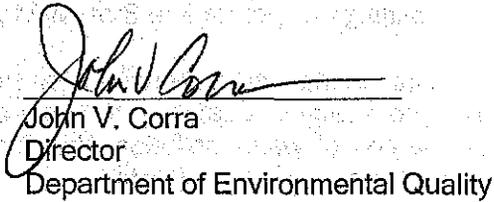
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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

4/12/11
Date of Issuance

MDB/rm/11-0339

STATEMENT OF BASIS

1. Permit Number: 11-102R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12.
3. Does the permit comply with all applicable regulations identified above? Yes.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public Water System components 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.

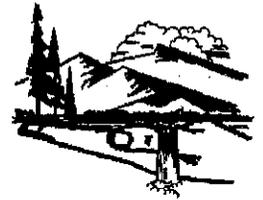
CERTIFICATION

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 Mark D. Baron, P.E., Southwest District Engineer, mbaron@wyo.gov, and completed on April 8, 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."

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



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 6, 2011

Don Lamborn
Lincoln County School District No. 1
P.O. Box 335
Diamondville, WY 83116

RE: Kemmerer High School - Water Main Project - Permit Number 11-103R, E 1/2 Section 23, T21N, R116W, Lincoln County

Dear Mr. Lamborn:

The above application for coverage under General Permit to Construct the extension of a public water system consisting of about 1480 linear feet (LF) of 8-inch and 400 LF of 6-inch PVC water main to serve the Kemmerer High School 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 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

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

Sincerely,

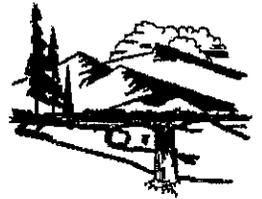
Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

PDF to Cheyenne
Thomas Crank, P.E., Crank Companies, P.O. Box 365, Diamondville, WY 83116





Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 25, 2011

Truman Julian
Kemmerer Diamondville Water & Wastewater JPB
P.O. Box 1020
Kemmerer, WY 83101

RE: Kemmerer High School - Sewer Main Reconstruction Project - Permit Number 11-104, NE 1/4 Section 23, T21N, R116W, Lincoln County

Dear Mr. Julian:

The above application for coverage under General Permit to Construct the relocation and lining of a sewage collection system consisting of about 330 linear feet (LF) of 8-inch PVC sewer main, and about 530 LF of 10-inch PVC sewer main and about 206 LF of 12-inch HDPE to serve the Kemmerer High School in accordance with Chapter 3 Section 7, and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facilities in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permits. 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

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
Thomas Crank, P.E., Crank Companies, P.O. Box 365, Diamondville, WY 83116
Don Lamborn, Lincoln County School Dist., No. 1, P.O. Box 335, Diamondville, WY 83116





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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 25, 2011

Daniel Swaney
PO Box 812
Moorcroft, WY 82721

RE: Matt and Desiree Albertson Small Residential Wastewater System, Crook County
Location: Buckmiller No. 3 Subdivision, Block 2 Lot 3; Permit # 11-105

Dear Mr. Swaney:

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

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.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307.283.4548 to arrange an inspection of the system. **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) 777-6941.

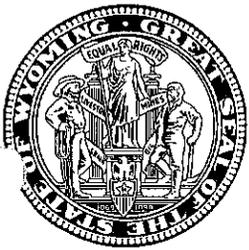
Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/11-0290

cc: IPS, Cheyenne
WYDEQ Casper File
Crook County Growth and Development, PO Box 848, Sundance, WY 82729





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 13, 2011

Windy Point RV Community
Samuel Runyan, Owner
4723 Maple Way
Cheyenne, WY 82009

RE: Windy Point RV Community Water and Sewer
Application No. **11-106**, Carbon County

Dear Mr. Runyan:

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 370 feet of 2 inch poly water main, installation of approximately 310 feet of 4 inch PVC sanitary sewer, Section 8, T22N R 81W; Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by April 13, 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. Please reference Application No. **11-106** 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/11-0355

Enclosure: Certificate of Completion

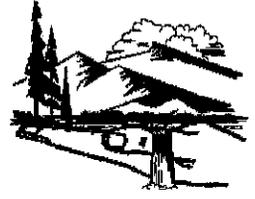
cc: IPS, Cheyenne
Matt Williams, WLC Engineering, 200 Pronghorn, Casper, WY 82601





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 13, 2011

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

RE: Point Fifth Filing, Water and Sewer lines
Application No. **11-107**, Laramie County

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installation of approximately 10,000 feet of 8 inch PVC C-900 water main, install fifteen new fire hydrants, installation of approximately 11,000 feet of 8 inch PVC SDR35 sanitary sewer main, installation of sixty-seven new manholes, Section 17 and Section 18, T14N 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 water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by April 13, 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. Please reference Application No. **11-107** 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/11-0356

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Thomas Kent, AVI, 1103 Old Town Lane, Suite 101, Cheyenne, WY 82009





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 13, 2011

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

RE: Point Plaza, Water and Sewer lines
Application No. **11-108**, Laramie County

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installation of approximately 1,900 feet of 8 inch PVC C-900 water main, installation of approximately 60 feet of 6 inch ductile iron pipe water main install eight new fire hydrants, installation of approximately 2,000 feet of 8 inch PVC SDR35 sanitary sewer main, installation of twelve new manholes, Section 17 and Section 18, T14N 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 water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by April 13, 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. Please reference Application No. **11-108** 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/11-0357

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
James K. Murphy, AVI, 1103 Old Town Lane, Suite 101, Cheyenne, WY 82009



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PWS # 5600053C (City of Sheridan)

PERMIT NO. 11-109

REFERENCE PERMIT NO. 08-567, 08-306, WY0056308

Big Horn Elementary School -- Water and Sanitary Sewer Systems

This permit hereby authorizes the applicant:

Sue Belish, Superintendent
Sheridan County School District #1
P.O. Box 819
Ranchester, WY 82839

to construct the Big Horn Elementary School -- Water and Sanitary Sewer Systems according to the procedures and conditions of the application number 11-109. The facility is located in the N ½, SE ¼, of Section 5, Township 54 North, Range 84 West, in the county of Sheridan, in the Town of Big Horn, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2012.

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

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

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

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

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

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

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

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

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

1 of 4

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

2 of 4

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

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

3 of 4

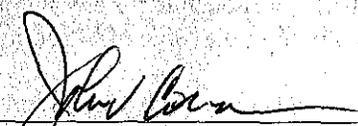
The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

4 of 4

Prior to the connection of the new Big Horn Elementary School Sanitary Sewer System to the existing wastewater treatment plant, two (2) consecutive quarter demonstrating compliance with the existing discharge permit WY0056308 is required.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

7/22/11
Date of Issuance

KLF/rm/11-0686

cc: Jay R. Ligocki, P.E., Vista West Engineering, P.O. Box 785, Sheridan, WY 82801

STATEMENT OF BASIS

1. Permit Number: **11-109**
2. Application reviewed for compliance with the following applicable regulations :
Chapter 3, Chapter 11, and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?

YES
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.

N/A
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley, P.E., and completed on July 21, 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

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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

May 12, 2011

Steve Blakeman, Mayor
Town of Moorcroft
P.O. Box 70
Moorcroft, WY 82721

RE: Town of Moorcroft, Early Waterline Replacement, WDEQ #11-110

Mayor Blakeman:

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

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

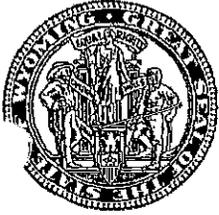
Sincerely,

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

Enclosures: Certificate of Completion

cc: Bill A. Carson, P.E., Stetson Engineering, Inc., P.O. Box 457, Gillette, WY 82717
Casper WDEQ File
IPS





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Matthew H. Mead, Governor

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John Corra, Director

NOTIFICATION OF COVERAGE

April 11, 2011

Intermountain Construction and Materials

Attn: Jeff Dahlen

1618 KROE Lane

Sheridan, WY 82801

RE: King Lane – Sewer Main Installation, WDEQ #11-111
Buffalo, WY

Dear Mr. Dahlen:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permits and the materials submitted in your application package. 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

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

Sincerely,

Karen L. Farley, P.E.

Northeast District Engineer, Water Quality Division

Enclosures: Certificate of Completion

cc: Brent A. Bennett, Grizzly Engineering, P.O. Box 1004, Buffalo, WY 82834
Les Hook, City of Buffalo, 46 North Main, Buffalo, WY 82834
WDEQ File, IPS





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Matthew H. Mead, Governor

John Corra, Director

June 2, 2011

Matthew Kull
1606 S. Oak
Casper, WY 82601

RE: Return of Application for the Kull Wastewater System –Vertical Flow Wetlands
1606 S. Oak, Natrona County, **Permit # 11-112**

Dear Mr. Kull:

The Wyoming Department of Environmental Quality (DEQ) received an application for a Permit to Construct for a small wastewater system in Natrona County for a vertical flow constructed wetland for a three bedroom residence. DEQ performed a completeness review of the application and has determined that the application is incomplete. The following is a list of items that was found to be lacking in the submittal and this *list should not be construed as a complete list of missing items*:

1. The advanced system must be designed and stamped by a licensed Wyoming engineer.
2. A complete design must be submitted including: percolation test results, site suitability evaluation, leachfield sizing, identify components of the system, and a complete site plan.

Therefore, in accordance with Wyoming Department of Environmental Quality/Water Quality Rules and Regulations Chapter 3, Section 14 – Denial of a Permit or Coverage under a General Permit, we are returning all of the application materials to you, as we are unable to process your application as submitted.

If you have any questions, please contact me at (307) 777.6941 or suzanne.engels@wyo.gov

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/11-0535

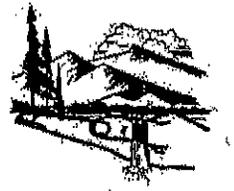
cc: John Drinnon, Casper-Natrona County Health Department, 475 S Spruce, Casper, WY 82601





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

John Corra, Director

NOTIFICATION OF COVERAGE

June 10, 2011

City of Sheridan
Dave Kinskey, Mayor
P.O. Box 848
Sheridan, WY 82801

RE: Wyoming Park Area Reconstruction Project – Phase I & II, City of Sheridan, WDEQ #11-113

Mayor Kinskey:

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

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

Sincerely,

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

Enclosures: Certificate of Completion

cc: Chad Reed, P.E., WWC Engineering, 1849 Terra Avenue, Sheridan, WY 82801
Dan Roberts, P.E., City of Sheridan
IPS, Casper 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: Wyoming Park Area Reconstruction Project – Phase I and II
LOCATION: Sheridan, Wyoming
ENGINEER: WWC Engineering
APPLICANT: City of Sheridan

WATER QUALITY DIVISION APPLICATION NUMBER: 11-113

DATE ON PROPOSAL/PLANS/REPORT: March 2011

DATE RECEIVED BY DEQ: March 16, 2011

DATE OF THIS REVIEW: April 18, 2011

WDEQ REVIEWER: 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 12, Section 7(a) – The construction drawings need at a minimum a cover sheet with the name of the project, name of the owner, a site plan, and they also need stamped by the design engineer.
- 2) Chapter 12, Section 6 & 14 – Please provide information and technical basis for the proposed water mains – how was the sizing arrived at, the pressure class, the material? Was a hydraulic model completed? Is there any hydrocarbons and/or groundwater in the area? Was a geotechnical report or borings completed? If so, please provide.

- 3) Chapter 11, Section 9(c)(E) – On Sheet 2 of the Sanitary Sewer Layout Details, the plans show a 10" line being down-sized to two sections of 8". Is this correct? A further observation is that the 8" line invert matches the invert of the 21". DEQ regulations state that the energy gradient should be maintained when a smaller sewer goes into a larger one. One way to approximate this is to place the 0.8 depth of both sewers at the same elevation.
- 4) On the same sheet, the 8" section between Station 113+75 and 113+49 will have a velocity greater than 10 fps. Chapter 11, Section 9(c)(i)(D) requires special design consideration for this situation.
- 5) The sanitary sewer section shown on Sheet 3 between Station 301+90 and 300+29.88 is below the minimum slope for 8" line. Because this is a dead end, is it necessary to place it at this slope and can it be increased to at least minimum? Please address.
- 6) The water main shown on Sheet 1 and Sheet 2 of the water layout details is proposed to be placed at a 10' minimum depth. Please explain why this needs to be so deep and particularly under the sewer mains.
- 7) Has the hydrant spacing been reviewed by the Fire Marshal? If so, please provide a letter that states that the spacing is adequate.



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

John Corra, Director

April 19, 2011

Chad Reed, P.E.
WWC Engineering
1849 Terra Avenue
Sheridan, WY 82801

RE: Wyoming Park Area Reconstruction Project – Phase I and II
WDEQ Application #11-113

Dear Mr. Reed:

We have completed our review of the application submitted by your office on March 16, 2011. Attached you will find a summary of these review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3478 should you have any questions related to these comments or the application and review process.

Sincerely,

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

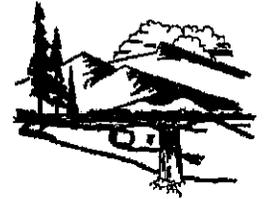
Attachments: WDEQ Comments

cc: Mayor Dave Kinskey, City of Sheridan, P.O. Box 848, Sheridan, WY 82801
Lane Thompson, P.E., City of Sheridan, P.O. Box 848, Sheridan, WY 82801
IPS
WDEQ File





Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 28, 2011

Ryan Halder
Kum & Go
6400 Westown Parkway
West Des Moines, IA 50266

RE: Kum & Go Store #969 - Rock Springs, Wyoming -Water Main - Permit Number 11-114, NW 1/4 Section 25, T19N, R105W, Sweetwater County

Dear Mr. Halder:

The above application for coverage under General Permit to Construct the extension of a public water supply system consisting of about 83 linear feet of 6-inch PVC water main in accordance with Chapter 3 Section 7, and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General 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

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

Amy Allen, P.E., JFC Engineers & Surveyors, 1515 9th St., Suite A, Rock Springs, WY 82901
Paul D. Kauchich, P.E., City of Rock Springs, 212 D St., Rock Springs, WY 82901
Vess Walker, City of Rock Springs, 212 D St., Rock Springs, WY 82901

Page 1 of 1





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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 11, 2011

Brush Creek, LLC
Attn: Lawrence E. Burnell, Assistant Manager
Star Route 10
Saratoga, Wyoming 82331

RE: Brush Creek Ranch – River Cabins Septic System,
Location: SE¼ Section 22, T16N, R82W,

Application No. 11-115
Carbon County

Dear Mr. Burnell:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of six(6) 1000 gallon concrete septic tanks at six cabins(or artist studios), one(1) lift station for two of the septic tanks combined into one force main, and all of the individual effluent lines feeding into a chamber type leachfield. The leachfield consists of four(4) trenches configured into two equal trenches of about 67 feet long feed from the northeast, and two equal trenches of about 100 feet long feed from the southwest. This area septic system for **two-2 bedroom cabins, two-3 bedroom cabins, an 8 bed artist housing unit, and an artist studio** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific conditions also apply:

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. Inspection Required - The installation shall be inspected by DEQ/Water Quality personnel before the final cover is placed over the construction. To schedule an inspection call Ronald Ewald at (307) 777-6183 at least 72 hours before the inspection is needed.



The approval granted under this Notification Of Coverage and the General Permit shall expire on May 11, 2013. Please reference Application Number **11-115** in any future correspondence.

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

Sincerely,



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

RLE/rm/11-0455

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

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

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

PROJECT: Brush Creek Ranch – River Cabins, Septic System

LOCATION: SE¼, Section 22, T16N, R82W, Carbon County

ENGINEER: Mark Butler
Inberg-Miller Engineers
350 Parsley Boulevard
Cheyenne, Wyoming 82007
Ph: 635-6827

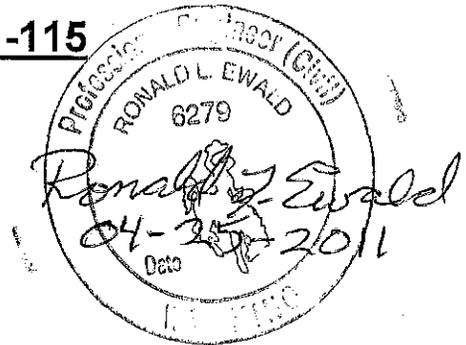
APPLICANT: Brush Creek LLC
Attn: Lawrence E. Burnell, Assistant Manager
Star Route 10
Saratoga, Wyoming 82331
Ph: (219) 769-3267

WATER QUALITY DIVISION REFERENCE #:

11-115

REVIEWING ENGINEER: Ronald L. Ewald
Phone: (307) 777-6183
Email: rewald@wyo.gov

DATE OF REVIEW: April 25, 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. Leachfield Size too Small - the proposed leachfield size is too small because when converting the minimum required surface area into "*Infiltrator Units*", the equivalent area of a Model Quick4 High-Capacity(HC) unit deployed in a "trench" type leachfield rather than the equivalent area for the unit in a "bed" type leachfield is used. The cross section of the leachfield in the lower right-hand corner of Sheet C2.2 clearly shows a bed leachfield. It is a bed leachfield because there must be a minimum of 3 feet of undisturbed(not excavated) soil between adjacent trenches, which there is none. The equivalent area for a Quick4 HC model unit in a bed is 22.5 sq.ft. per unit, whereas the equivalent area in a trench is 30.3 sq.ft. per unit. This oversight results in a proposed leachfield that is about 25% too small. Please address this.
2. Force Main to Gravity Sewer Line Change-Over - at the point in the sewer line from the artist area where it changes from a 2" force main to a 4" gravity flow pipe line there is a potential(probable) "air-lock" problem. One simple way to avoid this problem would be to install an air vent pipe from the highest point on the line to above the ground surface. A 2" vent pipe terminating above ground in a half circle turn pointed back at the ground with an appropriate size screen covering the open end of the pipe would probably be sufficient. This is just a suggestion; feel free to address this issue in any other way that you feel would be better for this site and would accomplish the same thing.
3. Force Main is to Drain Back to the Lift Station Basin Between Pump Runs, or Not? - It is not directly stated in the submittal if the plan is to leave the effluent in the force main between pumpings, or let it drain back into the basin via a "weep hole". A 266 foot long, 2" diameter pipe will hold about 30 to 35 gallons of liquid when full. If left in the pipe during very cold temperatures, the pipe may be a candidate for freezing. However, it appears that the force main has about 5 to 6 feet of cover all along it's length, which may be sufficient for freeze protection. On the other hand, if the force main drains back every time the pumps shut off, the 30 gallons of drain back will constantly be re-pumped, and re-pumped, and re-pumped decreasing the efficiency and life time of the system. Please address which approach is planned for this project, and explain the reasoning for it.

If you should have any questions, or need further explanation of these comments, please contact me at the phone number or email address listed above.

End of Review

RLE/rm/11-0399



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 30, 2011

Thayne O'Brien
Grand Teton National Park
P.O. Drawer 170
Moose, WY 83012

RE: GTNP Colter Bay Campground Sewer Line & Water Line Replacement Project, Permit Number: 11-116, Section 34, T. 46 N., R. 115 W, Teton County

Dear Mr. Thayne:

This project involves the installation of about 5,523 feet of 8-inch sewer line, 1,804 feet of 6-inch sewer main, and 566 feet of 4-inch force sewer main to replace existing sewer mains in Loop A through Loop G. The project also involves the installation of about 1,576 feet of 8-inch water main, 5,597 feet of 2-inch water services, four fire hydrants, domestic hydrants, and pump out drains to replace existing water lines and appurtenances in Loop A through Loop G. This application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11, Section 9; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct the facilities in accordance with the general permits and 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 which can be downloaded from the Wyoming Department of Environmental Quality webpage at:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

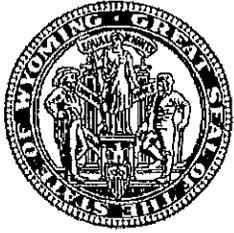
If you have any questions, please contact me at 307-335-6961.

Sincerely,

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

Xc: Jeffrey Allen, P.E., Grand Teton National Park, P.O. Drawer 170, Moose, WY 83012
IPS, Cheyenne





Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 7, 2011
Kreg Lombard, Mayor
City of Worland
P.O. Box 226
Worland, WY 82401

RE: Worland 2011 Sewer Main Replacement Projects. DEQ Permit #11-117R, Washakie County, LAT. 44.014169°, LONG. 107.959811°

Dear Mayor Lombard,

This project consists of updating existing 8 inch Orangeburg piping to 8 inch PVC in the location of Evans addition on block 5, and on the cloud peak addition blocks 7 and 8.

A variance was requested from Chapter 11, Section 9 (c)(i)(C) which requires a minimum slope of 0.004 ft/ft for 8-inch pipe. A variance from this regulation is granted based upon Policy 13.9.13. based upon the known performance of existing sewer pipes, and improved performance of the new PVC materials to be installed. The City of Worland has acknowledged that the low slope pipes may require additional maintenance.

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

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

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

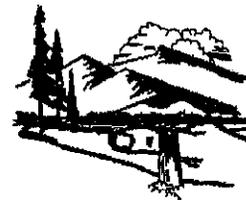
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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





Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 30, 2011

Kreg Lombard, Mayor
City of Worland
P.O. Box 226,
Worland, WY 82401

RE: City of Worland, Wyoming - 2011 Water Main Replacement Projects. DEQ Permit #11-118, Washington County, Lat. 44.0142°, Long. 107.9598°

Dear Mayor Lombard,

This project consists of the replacement of existing water lines as follows:

1. The mains on S. 7th St. will be replaced with 10-inch CIP from the north side of Culbertson Avenue to the south side of Grace.
2. Cloud Peak Addition, Block 8: Replace 4-inch CIP from N. 15th St. to the West side of East Lane.
3. Evans Addition: Replace 4-inch CIP from Washakie Ave., North to the alley.

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

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
Mike W. Donnell, 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

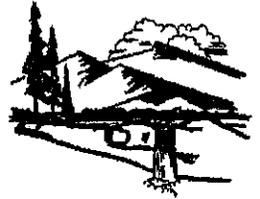
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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





Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 5, 2011

Robert Wade Aagard, Mayor
Town of Burlington
101 West Poplar Ave.
Burlington, WY 82411

RE: Town of Burlington Temporary Pilot Project, Permit Number: 11-119, Northeast ¼, Section 31, T. 52 N., R. 96 W, Big Horn County

Dear Mayor Aagard:

This project involves a temporary pilot plant at the Town's well house. The Town's wells were completed in to a 45-foot depth in alluvium formation and a microscopic particulate analysis (MPA) performed several years ago indicated the possible influence of surface water. The pilot plant is planned for three months to evaluate the feasibility of a 0.1 micron cartridge filter system. This 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 facilities in accordance with the general permits and 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 which can be downloaded from the Wyoming Department of Environmental Quality webpage at:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact me at 307-335-6961.

Sincerely,

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

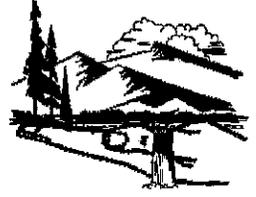
Xc: Randy Johnson, P.E., Forsgren Associates, 350 North 2nd East, Rexburg, ID 83440
IPS, Cheyenne





Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 28, 2011

Town of Glenrock
David Andrews, Public Works Director
P.O. Box 417
Glenrock, WY 82637

RE: Town of Glenrock- Glenrock Waterline and Sewer Improvement Project
Application No. 11-120, Converse County

Dear Mr. Andrews:

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 approximately 140 LF of 8 VCP sanitary sewer main with 8 inch SDR 35 PVC sanitary sewer main and installing two new manholes, SW ¼, Section 3, T33N R75W; Converse County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by March 28, 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. Please reference Application No. 11-120 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/11-0296

Enclosure: Certificate of Completion

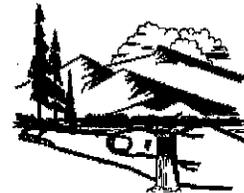
cc: IPS, Cheyenne
Thomas Brauer, CEPI, 6080 Enterprise Dr., Casper WY 82609





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

July 28, 2011

JC Reynolds
Kissack Water and Oil Services
P.O. Box 9
Rozet, WY 82727

RE: Permit Renewal Application #11-121, Kissack Water and Oil Services, Hamm #1, Class I Non-Hazardous Injection Well, Campbell County

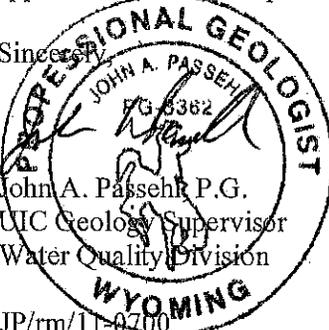
Dear Mr. Reynolds:

The Wyoming Department of Environmental Quality (WDEQ) has reviewed your application for a Class I Non-hazardous Injection well in Campbell County. The permit renewal application 11-121 is not complete at this time. Please refer to the attached comments developed by WDEQ regarding the content and adequacy of the permit renewal application #11-121 with respect to the Wyoming Water Quality Rules and Regulations, Chapter 13.

The WDEQ received the renewal application on March 28, 2011 and had until May 27, 2011 to make an initial determination of completeness. However due to work load and UIC staffing issues we were not able to review the application until now and our apologies are sincerely extended. Re-submittal of information by an applicant on an incomplete application will begin a new 60 day review process. Pursuant to Chapter 13, Section 6 during any 60 day review period where an application is determined complete, a draft permit for issuance or denial shall be prepared and a public notice provided pursuant to Chapter 13, Section 19.

Please feel free to contact me at (307) 777-5623 should you have any questions related to these comments or the application and review process.

Sincerely,



John A. Passeh P.G.
UIC Geology Supervisor
Water Quality Division

JP/rm/11-0700

Attachments: WDEQ Comments
EPA Aquifer Exemption of Minnelusa Formation dated December 11, 1997

cc: Allen & Crouch Petroleum Engineers, Attn: R.F. Reiner, P.O. Box 976, Casper, WY 82601
Kevin Frederick, WDEQ/WQD, Cheyenne
Carrie Steinhorst, WDEQ/WQD, Sheridan
Jessica Wales, WDEQ, Cheyenne



UNDERGROUND INJECTION CONTROL PROGRAM
REVIEW COMMENTS:
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

PROJECT: Renewal Application #11-121; Class I Disposal Well, Hamm #1

LOCATION: Campbell County

APPLICANT: JC Reynolds
Kissack Water and Oil Services
P.O. Box 9
Rozet, WY 82727

OWNER: Kissack Water and Oil Services

CONSULTANTS: Allen and Crouch Petroleum Engineers
646 River Cross Road
Casper, WY 82601

TITLE: "Application for Renewal of Underground Injection Control Permit # UIC
01-036"

PLANS ___ SPECS ___ PROPOSAL X REPORT

DATE ON PROPOSAL/PLANS/REPORT: February 4, 2011

DATE RECEIVED BY WDEQ: March 28, 2011

WDEQ REVIEWER: Carrrie Steinhorst
GEOLOGIST

John A. Passehl, P.G.
GEOLOGIST PG-3362

DATE OF THIS REVIEW: July 27, 2011

ACTION: Application Incomplete; See Attached Comments



1. Regarding the Area of Review (AOR) calculations on page 5 of the application:
 - K_i of 10 md is equivalent to 0.01 darcies, not 0.1 darcies; $K_i = 9.87e-11 \text{ cm}^2$
 - Calculation of viscosity of water (μ) should be $(\mu * m)$ where $\mu = 0.5$ centipoise and $m = 0.01 \text{ gm/cm-sec}$. Thus $\mu = 0.005 \text{ gm/cm-sec}$, not 0.05;
 - The revised K should be 0.5212 feet/day, not 0.0055 feet/day;
 - Time of injection should be 7,300 days to include past and future injections;
 - Q should include previous (3,739 ft^3/day) and future injection rates (19,243 ft^3/day);
 - V should include previous and future volumes for the radius of volumetric fillup;
2. The area of review map provided with the permit renewal application is the exact same map that was provided in the original permit application. The area of review should be larger after 10 years of operation if the AOR is controlled by the radius of volumetric fillup (which in this case, it is). Please revise the AOR calculations and Exhibit D accordingly.
3. Please use the AOR calculator on the GEM website and submit results for comparative purposes (<https://gem.trihydro.com/default.aspx>).
4. Please provide a State Engineer and WOGCC print out of all wells within the AOR. Please plot all wells within the AOR and label accordingly.
5. Clearly identify all wells (existing, plugged and abandoned) that penetrate the confining units and injection zone within the AOR on a color topographic map.
6. Please revise and submit the area of review by qtr/qtr, section, township and range.
7. In a letter dated December 11, 1997 (attached) the Environmental Protection Agency (Region 8) issued an aquifer exemption for portions of the Minnelusa Formation underlying Campbell County. This well injects into the Minnelusa Formation and is located within the EPA aquifer exempted area.
8. A step-test should have been performed to determine the actual fracture pressure of the receiving aquifer within 6 months of initial operation.
 - The original permit application and renewal application both use the fracture pressure for a different well (Kuehne #31-25) that was determined from a step-test done in 1991. This is not sufficient.
 - A step rate test conducted to determine the fracture gradient of the Minnelusa formation for this well will require BH pressure measurements. The step-rate test shall be pre-approved by DEQ prior to conducting the test.
 - The WDEQ/WQD does not allow 'credit' for friction losses down the tubing when setting the maximum surface injection pressure. The maximum surface

injection pressure is determined by allowing 90% of the pressure required to fracture the Minnelusa formation. For example, if the formation fractures at a surface pressure of 3,000 psig, the maximum allowable surface injection pressure would be $3,000 * 0.90 = 2,700$ psig measured at the surface.

9. The renewal application contains a rough structure contour map of the Muddy Sandstone which is ~1,700 ft above the top of the Minnelusa (not applicable). Please provide isopach and structure contour maps for the injection zone.
10. Please provide cross-sections which demonstrate overlying formations, structures, confining zones, etc. The cross-sections submitted show no such detail.
11. The WDEQ/WQD requires more detail regarding who, how, and when notification would be given regarding an operational malfunction regarding annulus pressures, injection pressures and volumes, or other equipment malfunctions. Additionally, how and when will the DEQ be notified?
12. The most recent mechanical integrity test (MIT) was performed in 2006. Prior to the DEQ re-permitting this well, please complete and pass both Part I and Part II MITs as follows:
 - a. Part I MIT: Calculate the annulus surface pressure by taking 0.25 psi/ft (x) times the length of casing measured from the top of casing to the top of packer. Hold this pressure for thirty (30) minutes with a loss of no more than 10% psig.
 - b. Part II MIT: Use a temperature log in combination with either a Radioactive Tracer (RAT) survey or an oxygen activation log. RAT surveys conducted with injection are acceptable.
 - c. DEQ will require thirty (30) days minimum notice prior to conducting the MITs. The permit applicant is required to obtain prior DEQ approval before any well repairs or workovers are conducted on the well.
13. The plugging and abandonment estimate needs to be provided by a third party contractor. Please provide additional cost estimates for location preparation, dirt work, reseeding, and surface restoration.

END OF REVIEW



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII
999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2466

RECEIVED

DEC 11 1997

DEC 15 1997

Re: 8P2-W-GW

WATER QUALITY DIVISION
WYOMING

Mr. Dennis Hemmer, Director
Wyoming Department of Environmental Quality
Harschler Building
122 West 25th Street
Cheyenne, WY 82002

RE: Approval of the Non-Significant Revision of the State of Wyoming, Underground Injection Control Program Comprised by the Aquifer Exemption of the Minnelusa Formation underlying Portions of Campbell County, WY.

Dear Mr. Hemmer:

The Environmental Protection Agency (EPA) has reviewed the request for a revision of the State of Wyoming Underground Injection Control (UIC) program comprised of an areal aquifer exemption of the Minnelusa Formation underlying portions of Campbell County, WY. The EPA Office of Water has determined that this modification is a "non-substantial" program revision, which can be approved by Region VIII. Because this modification is a "non-substantial" revision, it requires no additional public notice beyond the 45 day public notice that was published previously by the State of Wyoming from August 10 through September 29, 1995.

The exemption of the Minnelusa Formation underlying the following areas is approved by EPA, Region VIII:

- T46N through T53N by R69W through R72W
- T45N by R71W
- T49N by R73W & R74W
- T54N through T55N by R71W through R72W, and
- T49N through T51N by R68W

Please note that the exempted area *does not* include the area encompassing T58N through T56N by R71W through R72W that was included in the original aquifer exemption request. The Region did not approve this northern portion of the requested exemption area for two reasons. The first reason is the impact on the Minnelusa Formation caused by the Black Hills uplift. This uplift has caused the Minnelusa Formation to occur at a shallower depth within the northern and northeastern portion of the requested exemption area and contain lower Total Dissolved Solids (TDS) in the formation water than is found in deeper portions of the exemption area. Wells located in T54N and T55N within the proposed exemption area have TDS values below 5,000 mg/l. Given the fact that no water quality data is available in T56N through T58N within the proposed exemption area, the determination cannot be made with certainty that the Minnelusa Formation in this area will not reasonably be expected to be able to supply public drinking water. The second reason is that Region VIII believes that exempting a portion of the aquifer up to the Montana State boundary would impact that State's regulatory jurisdiction. "Boundary issues" present unique regulatory challenges, and Region VIII believes that any aquifer exemption requests in an area involving boundary issues are best regulated on an individual, rather than

general basis.

EPA Region VIII concurs with the State's determination that reclassifies water in the designated portions of the Minnelusa Formation as Class VI Groundwater of the State that is unusable or unsuitable for use:

- (a) Due to excessive concentration of TDS; or
- (b) Is so contaminated that it would be economically or technologically impractical to make the water useable; or
- (c) Is located in such a way, including depth below the surface, so as to make use economically and technologically impractical.

CRITERIA FOR AN EXEMPTED AQUIFER:

UIC regulations found at 40 CFR 146.4 state that an aquifer or a portion thereof which meets the definition for an "underground source of drinking water" in 146.3 may be determined to be an "exempted aquifer" if it meets the following criteria:

- (a) It does not currently serve as a source of drinking water; and
- (b) It cannot now and will not in the future serve as a source of drinking water because:
 - (1) It is mineral, hydrocarbon or geothermal energy producing...
 - (3) It is so contaminated that it would be economically or technologically impractical to render the water fit for human consumption; or
- (c) The total dissolved solids content of the ground water is more than 3,000 mg/l and less than 10,000 mg/l and it is not reasonably expected to supply a public water system.

BASIS FOR EXEMPTION

It Does Not Currently Serve As A Source Of Drinking Water:

The State has provided documentation that there are no developed water wells in the Minnelusa Formation within the area requested for exemption.

It Cannot Now And Will Not In The Future Serve As A Source Of Drinking Water Because It Is Mineral, Hydrocarbon Or Geothermal Energy Producing... :

The Powder River Basin has been exploited for oil and gas production for over fifty years. Although there are many oil and gas producing formations in the basin, one of the more prolific oil producing zones in the basin has been the Minnelusa Formation. The Minnelusa Formation is known to be hydrocarbon bearing in most parts of the proposed exemption area, and in many areas is actively producing hydrocarbons. The public notice provided by the State discussed this fact, and stated that several sources of information were used for making that determination.

It Cannot Now And Will Not In The Future Serve As A Source Of Drinking Water Because It Is So Contaminated That It Would Be Economically Or Technologically Impractical To Render The Water Fit For Human Consumption:

The State provided supporting information for the proposed action indicating that development of the Minnelusa Formation as a source of treated drinking water could be reasonably concluded to be technically and economically impractical, considering the relative

depth of the source, the low water producing capability, and the presence of hydrocarbons in the water. The State provided a cost estimate for producing and treating Minnelusa Formation water for human consumption, including the estimated costs for developing a municipal water supply well using the Minnelusa Formation. Other regional aquifers, the Madison Formation for example, appear to be better suited for development as a source of drinking water due to higher producing capability, significantly better water quality, and lower water treatment costs. The State concluded that the high capitalization costs combined with high cost for ongoing water treatment, including removal of hydrocarbons found in the Minnelusa Formation water, are extremely expensive compared with other options available in the area.

It Cannot Now And Will Not In The Future Serve As A Source Of Drinking Water Because The Total Dissolved Solids Content Of The Ground Water Is More Than 3,000 Mg/l And Less Than 10,000 Mg/l And It Is Not Reasonably Expected To Supply A Public Water System.

Chemical analyses of the fluids found in Minnelusa Formation provided in *Chemical Analyses of Water from the Minnelusa Formation and Equivalents in the Powder River Basin and Adjacent areas, Northeastern Wyoming*, (prepared by the U.S. Geological Survey (USGS), published by the Wyoming Water Planning Program, Report No. 18, 1979) indicate the Minnelusa Formation in the deeper southern portion of the proposed exemption area contains waters of high TDS, generally in excess of 10,000 milligrams per liter (mg/l). An aquifer exemption is, therefore, not explicitly required in these areas. Where sampling results are available in the north and northeastern portion of the proposed exemption area, there is a decrease in TDS to below 5,000 mg/l, and, thus, an exemption is required prior to allowing use of the Minnelusa Formation for the injection of brine fluids in this area. Region VIII notes that the data in this portion of the requested exemption area shows a general trend toward lower TDS content in Minnelusa Formation water in the northern and northeastern portion of the requested exemption area due to the effect of the Black Hills uplift, as discussed previously.

There is some variability in the TDS analyses included in the USGS Report, showing TDS values below 3,000 mg/l in wells adjacent to wells completed within the same unit having TDS values an order of magnitude higher. In its response to that concern, the State interpreted those results to be due to dilution by fresh water drilling mud contamination during drill stem tests. The State noted that it is highly implausible that 2,840 mg/l and 58,500 mg/l TDS waters would coexist in the same aquifer within the same 40 acre parcel, and concluded it was probable that actual TDS was higher and the water quality poorer than the sampling results indicated.

CONDITIONS OF APPROVAL

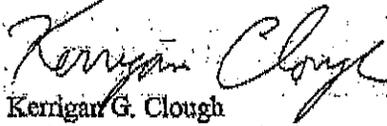
Therefore, the portion of the Minnelusa Formation designated in the second paragraph is approved as an exempted aquifer for the purpose of injection of commercial disposal of non-hazardous fluids and oil field brines through injection wells permitted by the Wyoming Department of Environmental Quality, Water Quality Division, UIC Program. The specific injectate constituents will vary with each permit application, but will be subjected to public comment and Region VIII review, and will be restricted at the discretion of the Wyoming UIC Program.

The injection zone within the exemption areas is confined vertically by 4,500 to 5,700 feet of interburden occurring between the injection zone and the deepest formation currently serving

as a source of drinking water. Within that interval lies the Pierre Shale, with a thickness of 2000 feet, and the Opeche Shale, the basal member of the Goose Egg Formation, which directly overlies the injection zone. The Opeche Shale is considered to be an effective impervious barrier to fluid movement, thus confining the underlying strata. The Goose Egg Formation, 200 to 400 feet in thickness, is considered to be an effective aquitard within the exemption area.

If you have any questions concerning this matter, please call Valois Shea-Albin at (303) 312-6276.

Sincerely,


Kerrigan G. Clough
Assistance Regional Administrator,
Office of Pollution Prevention,
State and Tribal Assistance

cc: Robert Lucht, Supervisor, UIC Program
Mario Salazar, OGWDW

Don Olson, OECA
Bruce Kobelski, OGWDW

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-122

Town of Dubois 0.85 MG Water Storage Tank
PWS #WY5600177

This permit hereby authorizes the applicant:

Twila Blakeman, Mayor
Town of Dubois
P.O. Box 555
Dubois, WY 82513

to construct a new 850,000-gallon, concrete storage tank and about 560 linear feet of 12-inch water main, according to the procedures and conditions of the application number 11-122. The new storage tank will be located on the east side of town and will replace an existing 250,000-gallon, steel tank. This project is located at Northeast ¼, Section 7, Section 41, and Range 106 West in the county of Fremont, in the state of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by April 30, 2016.

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

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

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

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

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

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

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

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

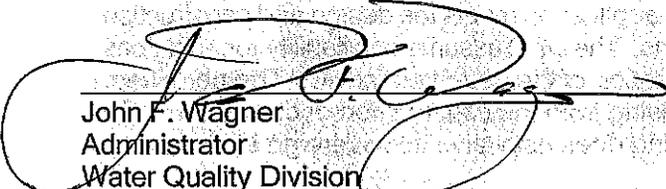
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

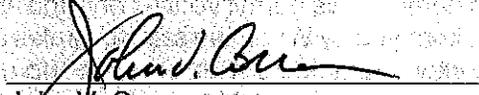
- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Dr., Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

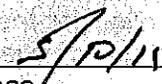
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality


Date of Issuance

JSB/jsb/bb/11-0446

STATEMENT OF BASIS

1. Permit Number: 11-122
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above? Yes
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations. No
5. Documentation of Statement of Basis: The archives file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James Brough, jbroug@state.wy.us, Northwest District Engineer and completed on May 9, 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."

JSB/bb/11-0446

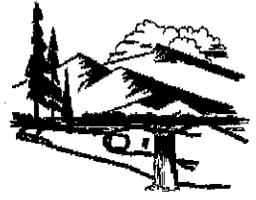
xc: David Myers, Stetson Engineering, P.E., 620 E. Monroe, Riverton, WY 82501

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Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 25, 2011

Raymond A. Killion, Jr.
83 Jefferson Road
Wheatland, Wyoming 82201

RE: Killion Trucking Bldg - Shop Septic System,
Location: Section 35, T24N, R68W,

Application No. **11-123**
Platte County

Dear Mr. Killion:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1000 gallon single compartment concrete septic tank and about 100 feet of rock and pipe leachfield divided into 2 equal trenches each 50 feet long for a **5 employee shop** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific condition also applies:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on April 25, 2013. Please reference Application Number **11-123** in any future correspondence.



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

Sincerely,

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

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

RLE/rm/11-0406

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Timothy J. Olind, PE, Norb Olind Construction, 1457 Zorn Street, Wheatland,
Wyoming 82201
Platte County Planning Office, Dennis Becker, PO Box 728, Wheatland, WY 82201



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

May 12, 2011

Mary Lankford
Sublette County
P.O. Box 250
Pinedale, WY 82941

RE: Sublette County Fire Training Facility - Water Main Sewer Project - Permit Number 11-124R, Section 29, T30N, R111W, Sublette County

Dear Ms. Lankford:

The above application for coverage under General Permit to Construct the extension of a public water supply distribution system consisting of about 2450 linear feet of 8-inch PVC water main to serve a Fire Training Center in accordance with Chapter 3, Section 7, 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

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
Brian Gray, P.E., WLC Engineering, P.O. Box 1519, Pinedale, WY 82941





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

March 31, 2011

Mayor Dave Kinsky
City of Sheridan
PO Box 848
Sheridan, WY 82801

RE: Transfer of Ownership,
Cloud Peak Ranch –Eleventh Filing –Water and Sanitary Sewer Systems
Reference Permit #07-572 MOD
Permit #11-125

Dear Mayor Kinsky:

The above Transfer of Ownership for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Public Water Supply Distribution Systems in accordance with Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations (WWQRR) and for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the WWQRR has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package.

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

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/11-0313

Enclosures

cc: IPS, Cheyenne
WDEQ Casper File
Jeff Feck, PE, Vista West Engineering, P.O. Box 785, Sheridan, WY 82801
Lane Thompson, City of Sheridan. PO Box 848, Sheridan, WY 82801
VeeAnn Woody, System Land, LLC, 1511 Mydland Road, #4, Sheridan, WY 82801





Department of Environmental Quality

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



Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 14, 2011

Kevin Mitchell, Superintendent
Park County School District
160 N. Evans St.,
Powell, WY 82435

RE: Park County school District No. 1 Powell Middle School Addition. DEQ Permit #11-126,
Park County, Latitude 44.7565°, Longitude 108.755°

Dear Superintendent Mitchell,

This project consists of construction of a new 15,000 ft.² addition to the existing school. As part of the project, a new 6-inch fire service (approximately 87 linear feet) will be installed. And 8-inch sewer main (approximately 200 linear feet) and two manholes will be installed to provide sanitary sewer service to the new addition and an expansion planned for the future.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11, Part B; 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

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
Mark G. Westenskow, PE., CTA Architects Engineers, P.O. Box 1153, Livingston, MT 59047

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) 332-8924
FAX 332-7726

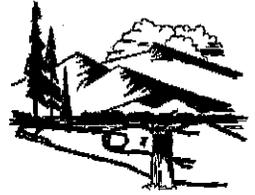
WATER QUALITY
(307) 332-3144
FAX 332-7726





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 25, 2011

Cameco Resources
Attn: Tom Cannon, General Manager
762 Ross Road
Douglas, Wyoming 82633

RE: Smith Highland Ranch Shop – Septic System,
Location: NE¼, Section 36, T36N, R74W,

Application No. **11-127**
Converse County

Dear Mr. Cannon:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1000 gallon two compartment concrete septic tank and about 144 feet of chamber style leachfield divided into 4 equal 36 foot long trenches each for a **20 employee shop** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific condition also applies:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on April 25, 2013. Please reference Application Number **11-127** in any future correspondence.



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

Sincerely,

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

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

RLE/rm/11-0404

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Thaddeus M. Hunter, Inberg-Miller Engineers, 1120 E. C Street, Casper,
Wyoming 82601
Holly Richardson, Converse County Office of Special Projects, 107 N. 5th,
Suite B-6, Douglas, Wyoming 82633



Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 26, 2011

City of Laramie
Katharine Trowbridge, Project Manager
P.O. Box C
Laramie, WY 82073

RE: City of Laramie, 2011 SPT Projects, Phase 1, Schedule 1
Application No. 11-129, Albany County

Dear Katharine Trowbridge:

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 972 feet of 8 inch PVC C-900 water main, installation of approximately 1313 feet of 12 inch PVC C-900 water main, installation of approximately 1330 feet of 16 inch PVC C-900 water main, installation of approximately 800 feet of 8 inch PVC sanitary sewer main, installation of four new manholes, Section 27 and Section 28, T16N R 73W; Albany County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by April 26, 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. Please reference Application No. 11-129 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/11-0410

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Roger Strube, Aspen- Banner Engineering, P.O. Box 550, Laramie, WY 82073





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 26, 2011

City of Laramie
Katharine Trowbridge, Project Manager
P.O. Box C
Laramie, WY 82073

RE: SPT Phase 1, Schedule 3, Sites A thru E
Application No. 11-130, Albany County

Dear Katharine Trowbridge:

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 existing water mains with approximately 2500 feet 8 inch PVC water line, replacement of 6 fire hydrants, SW ¼ SW ¼ Section 31, T16N R 73W; Albany County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the 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 April 26, 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. Please reference Application No. 11-130 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/11-0411

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
George, Walton, SEH, INC., 216 E. Grand, Suite A, Laramie, WY 82070





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

June 10, 2011

Katharine Staman, Mayor
P.O. Box 300
Baggs, WY 82073

RE: **Application Withdrawn Number: 11-131**

Action: Application Returned and current Pilot study will be modified accordingly.

Facility: Pretreatment Pilot Study at Baggs Water Treatment Plant

Location: Section 5 & 8, Township 12 North, Range 91 West, Carbon County

Dear Katharine Staman:

Thank you for your verbal request to withdrawal the application. We appreciate your cooperation in this matter to address this issue.

At the requested by the Town of Baggs, two applications are being returned without action (application withdrawn). The remaining application will be used to modify the current Pilot study Application Package 09-287.

If you should have any questions, please contact Richard Cripe at either (307) 777-7075 or rich.cripe@wyo.gov.

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/11-0558

Enclosures: Application Package 09-287

cc: IPS
Ryan Duve, Lidstone and Assoc., 4025 Automation Way, Bldg. E, Fort Collins, CO 80525





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 24, 2009

Linda Corners, Mayor
Town of Baggs
130 South Penland Street
Baggs, WY 82321

RE: Baggs Pretreatment Pilot Study,
Application No. 09-287, Carbon County *S-8, T-12, R 91*

Dear Linda Corners:

The above application for coverage under General Permit to Construct and Operate a Pilot Plant in accordance with Chapter 3, Section 7 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct and operate the pilot plant in accordance with Chapter 12, Section 5 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by July 24, 2012. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. 09-287 in any future correspondence.

The water will be monitored and the pH will be adjusted as necessary prior to placing the water into the clear well following the membrane. An existing pH meter will be used to monitor the pH of the water or a separate pH controller will be installed. A draft operation and maintenance manual for the Baggs Pretreatment Pilot Study must be submitted at 50 percent completion of construction to the Southeast District Engineer of the Water Quality Division for approval. Approval of the final operation and maintenance manual is required prior to completion of construction. 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/9-0639

cc: IPS, Cheyenne
James A. O'Neill, Lidstone and Assoc., 4025 Automation Way, Bldg E, Fort Collins, CO 80525

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

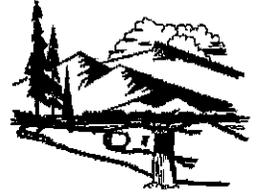
ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973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

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 28, 2011

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

RE: Swan Ranch Rail Park, Sewer Main Tie In
Application No. 11-132, Laramie County

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installation of approximately 3,350 feet of 15 inch SDR 35 sanitary sewer main, installation of approximately 5,000 feet of 18 inch SDR 35 sanitary sewer main, installation of approximately 5,060 feet of 12 inch SDR 35 sanitary sewer main, installation of approximately 5,060 feet of 10 inch SDR 35 sanitary sewer main, installation of approximately 160 feet of 8 inch SDR 35 sanitary sewer main and install forty-eight new manholes, Section 14; Section 15; Section 22; Section 27; T13N R 67W; 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 April 28, 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. Please reference Application No. 11-132 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/11-0419

Enclosure: Certificate of Completion

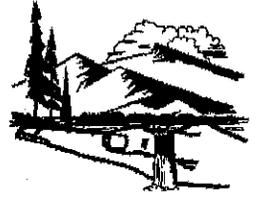
cc: IPS, Cheyenne
Bruce H. Perryman, AVI, 1103 Old Town Lane, Suite 101, Cheyenne, WY 82009





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

John Corra, Director

May 2, 2011

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

RE: 307 Properties Subdivision, Laramie County
WDEQ Application #11-133

Dear Commissioners:

The Wyoming Department of Environmental Quality (WDEQ) has received application material related to the 307 Properties Subdivision for review of the safety and adequacy of water supply and sewer systems pursuant to W.S. §18-5-306. The application material was received April 1, 2011. As described in the statute, WDEQ has 30 days to respond with comments and recommendations; however, if necessary WDEQ may extend the review period for an additional 30 days. Due to workload, at this time WDEQ is extending the review period. Therefore, WDEQ's recommendations will be provided to the Commission by May 31, 2011.

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

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

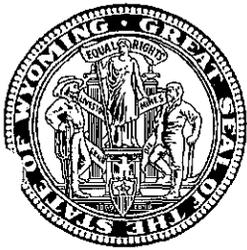
Sincerely,

Ronald L. Ewald, PE
Southeast District Assistant Engineer
Water and Wastewater Program, Water Quality Division

RLE/rm/11-0429

cc: Colt Bruegman, 307 Properties, 1001 West Lincolnway, Cheyenne, Wyoming 82001
John Wetstein, Wester-Wetstein & Associates, Inc., P.O. Box 2202, Laramie, Wyoming 82073
Laramie County Planning and Development Office, 309 West 20th, Cheyenne, WY 82001
Mike Ebsen, SEO; (with enclosure)





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

May 27, 2011

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

Subject: Non-Adverse Recommendation, 307 Properties Subdivision, Laramie County
DEQ/WQD Application #11-133

Dear Commissioners:

The Wyoming Department of Environmental Quality has completed the review of the proposed 307 Properties Subdivision, Laramie County, WDEQ Application #11-133, located in the N½ of Section 5, T12N, R62W, 6th P.M., in Laramie County, Wyoming. The 307 Properties Subdivision will create seven light industrial lots out of approximately 50 acres. The information was submitted by Wester Wetstein & Associates, Consultants in Engineering and Hydrogeology, 605 Plaza Court, P.O. Box 2202, Laramie, Wyoming, through Rio Verde Engineering, Consulting Engineers and Land Surveyors, 804 Hoback Street, P.O. Box 642, Pinedale, Wyoming, signed by John H. Wetstein, P.E/PG., a Wyoming Licensed Professional Engineer and Professional Geologist. This letter represents the recommendations of the Wyoming Department of Environmental Quality as required W.S. 18-5-306 (c).

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

The proposed sewage system is the use of individual on-site septic tanks and leach fields permitted by and constructed to Laramie County standards and in compliance with Wyoming Department of Environmental Quality/Water Quality Rules and Regulations. The information submitted addresses the safety and adequacy of the proposed sewage system.

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

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

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

1. Individual on-site water-supply wells shall be cased and extend through the Quaternary deposits and upper fractured White River (Brule) Formation and continue through an approximately 70 foot thick clayey section of the Chadron Formation. It is recommended that the wells target the Chadron Formation (lower section of the White River Formation) at a depth between 450 to 500 feet.



2. The upper 20 feet of this cased zone shall be sealed with a cement, bentonite, or combination of the two slurries.

Conclusions:

The Department of Environmental Quality has "No Adverse" recommendations applicable to the 307 Properties Subdivision.

Disclaimer:

The Non-Adverse recommendation provided above has nothing to do with, nor has any bearing on the water rights associated with the 307 Properties Subdivision. Any questions or concerns about the water rights for the 307 Properties Subdivision should be directed to the State Engineer's Office.

Nothing in Department of Environmental Quality recommendations or comments regarding 307 Incorporated, Rio Verde Engineering, Wester Wetstein & Associates, Inc., Eric A. Sackett, and John H. Wetstein proposal for the 307 Properties Subdivision shall be construed to relieve Colt Bruegman of the obligation to obtain any permits or additional approval from any local, state or federal agencies as required by law, rules, regulations, or ordinances. Nothing in these recommendations commits the Department of Environmental Quality or Laramie County to the issuance of required permits for construction, operation, or modification of water supply or sewage systems

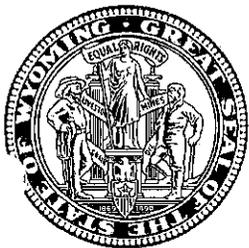
Sincerely,



Rich Cripe.
Southeast District Engineer Supervisor
Water & Wastewater Program, Water Quality Division

RLE/ RRC/rm/11-0513

cc: Laramie County Planning & Development Office, 3931 Archer Pkwy, Cheyenne,
Wyoming 82009
Colt Bruegman, 307 Incorporated, 1001 West Lincolnway, Cheyenne, WY 82001
Cheyenne/Laramie County Environmental Health Division, 100 Central Avenue, Cheyenne, Wyoming
82007
Eric A. Sackett, Rio Verde Engineering, 804 Hoback Street, P.O. Box 642, Pinedale, Wyoming
John H. Wetstein, Wester Wetstein & Associates, 605 Plaza Court, P.O. Box 2202, Laramie,
Wyoming 82073
Mike Ebsen, SEO



Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 28, 2011

Town of Encampment
Greg Salisbury, Mayor
P.O. Box 5
Encampment, WY 82327

RE: Town of Encampment 2011 Sewer Improvements Project;
Application No. **11-134**, Carbon County

Dear Mr. Salisbury:

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 replacing approximately 4000 feet of 8 inch PVC, SDR35 sewer main; Section 1, T14N, R84W; 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 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 April 28, 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. Please reference Application No. **11-134** 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/11-0420

cc: IPS, Cheyenne
Ken Schwerdt, PMPC Civil Engineers, P.O. Box 370, Encampment, WY 82327



PERMIT TO CONSTRUCT

New
 Renewal
 Modified

PERMIT NO. **11-135**
SPECIAL CONDITIONS

Williams Field Service Opal Gas Plant
NPO-9 LNAPL Recovery Project

This permit hereby authorizes the applicant:

Williams Field Service
4980 State Hwy 374
Green River, WY 82935

to construct, install or modify a passive bailer for an LNAPL recovery system according to the procedures and conditions of the application number **11-135**. The facility is located in NW¼, Section 27, T.21N., R.114W. (6th P.M.) in the county of Lincoln, in the State of Wyoming. All construction, installation or modification allowed by this permit shall be completed by May 31, 2016.

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

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

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

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

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

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

operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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

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

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

1. After the bailer system has fulfilled its useful purpose, it shall be disposed according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements. No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division.
2. WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of the bailers and sample collection so that they may be on site if deemed necessary.
3. The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
4. The results of any other analyses conducted on soil or water removed from these wells/piezometers or boreholes shall be provided to the department as soon as they are available.
5. ***Environmental Monitoring Program for Groundwater of the State:***
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.
 - b. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
 - c. Records of monitoring information shall include:
 - i. The date, exact place, and time of sampling or measurements;
 - ii. The name(s) of individual(s) who performed the sampling or measurements;
 - iii. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.
 - iv. Sampling procedures and sample preservation accomplished;

- v. The date(s) analyses were performed;
- vi. Names of individuals who performed the analyses;
- vii. The analytical techniques or methods used; and
- viii. The results of such analyses.
- ix. Groundwater samples from the monitoring wells shall be analyzed as indicated on the following table. This table supercedes previous permit requirements.

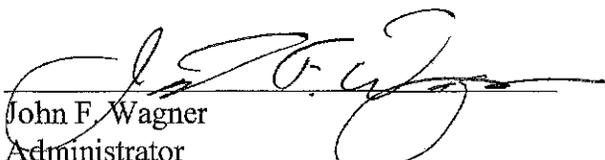
WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED	PERMIT LIMIT*
All Existing Monitoring wells	Semi-annual	EPA 8015M EPA 8120 (or equivalent)	TPH-GRO BTEX	

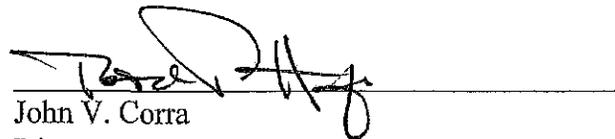
* Permit Limits (i.e. Groundwater Protection Standards) are only required for compliance monitoring wells. All chemical concentrations in this permit are expressed in mg/l unless otherwise noted.

6. Within ninety (90) days of completion of the recovery system installation, Anandarko shall submit a completion report. The completion report shall include the operation and maintenance plan and "as built" diagrams of the recovery system. Thereafter, an annual report, as is currently being submitted, will be required that provides a summary of the sampling data, LNAPL recovery amounts, a description of any equipment problems or downtime, and any other pertinent data.

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

AUTHORIZED BY:


 John F. Wagner
 Administrator
 Water Quality Division


 John V. Corra
 Director
 Department of Environmental Quality

4-18-11

Date of Issuance

JOC/rm/11-0361

GROUNDWATER POLLUTION CONTROL PROGRAM

REVIEW COMMENTS:

PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

SITE NAME: Williams Field Service Opal Gas Plant

SITE STATUS: Site Remediation

APPLICANT:

Brian Taylor
Attorney-in-Fact
Williams Field Services Company
4980 State Highway 374
Green River, WY 82935
(307) 872-2831

ENGINEER/CONSULTANT:

David Way
Client Program Manager
Shaw Environmental Infrastructure Group
7604 Technology Way
Denver, CO 80237
(720) 554-8198

WATER QUALITY DIVISION REFERENCE PERMIT NUMBER: 11-135 (attached)

EXISTING NEW AS-BUILT

TITLE: NPO-09 LNAPL Assessment Summary, Opal Gas Plant

PLANS SPEC'S PROPOSAL REPORT

[Check all that apply]

DATE ON PROPOSAL/PLANS/REPORT: April 12, 2011

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES

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

REVIEWING OFFICIAL(S): _____

James P. O'Connor P.G.

DATE OF THIS REVIEW: April 13, 2011

ACTION: Approved as submitted- comments attached

COMMENTS: GROUNDWATER SECTION

1.0 SUMMARY OF EXISTING CONTAMINATION

1.1. Site Description

1.1.1. Site History: The Williams Field Services (WFS) Opal Gas Plant removes liquids from field gas and fractionates the liquids into natural gas liquid products. Waste waters include water removed from field gas, water utilized for heating and cooling purposes, and process-release water. An anaerobic digester waste water treatment system was built on site, and for an extended period of time the treated water was piped to the Town of Opal sewage lagoon. However, this practice was discontinued several years ago. Prior to discharging into the Town of Opal's sewage lagoon waste water had previously been routed to a series of ponds: an unlined evaporation pond and interconnected flare pond, two smaller overflow ponds, and a separate sewage lagoon (temporary overflow). Additionally, two documented spills have occurred at the Opal Plant since 1984.

1.1.2. Site Contamination: In 1987, Geoscience Consultants performed a contamination assessment following a 1986 hydrogeologic investigation. The 1986 had determined that petroleum hydrocarbon waste constituents had migrated in the subsurface from the primary wastewater pond. This investigation determined that the groundwater underlying the evaporation pond was contaminated with hydrocarbons. In 1991, a groundwater investigation defined the areal extent of the contaminant plume. The investigation primarily utilized existing on-site wells but additional downgradient wells were installed.

1.1.3. In 1992, URS Consultants, Inc. conducted an SSI as tasked by the Region VIII EPA office. The final report is dated September 28, 1993. Benzene, ethylbenzene, and 2,4-dimethylphenol were detected in the shallow down-gradient monitor wells. Monitor well and drinking water samples of the Hams Fork Alluvium Aquifer (drinking water source for the gas plant) and deep aquifer (drinking water source for the town of Opal) did not contain "observed release concentrations of contaminants". URS concluded that the shallow contamination appears to be localized around the waste water ponds. URS noted that the 1989 Dames & Moore study concluded that evapotranspiration, dilution, and biodegradation prohibited site contaminants from migrating off-site. A file note from Luke Chavez, USEPA Region 8 stated "The site is no further action under superfund". As part of the initial groundwater investigation, monitoring and data collection commenced in 1993. A total of 14 wells (NPO-1 thru NPO-14) were monitored. These wells included both the existing wells and those installed as part of the initial investigation. Historic data indicates that several wells have been either consistently dry or had non-detectable levels of contaminants and were subsequently eliminated from the monitoring program.

1.1.4. Evaporation Pond History: During the winter of 1994/95, WFS excavated the pond sludge and underlying source material. Excavated material was disposed out of state. The source removal did not meet the TPH-GRO cleanup standard for soil of 30 mg/kg. Terminating excavation was justified by the following:

- Further excavation would require expensive removal techniques of the sedimentary bedrock. The estimated expenditure to date has been \$500,000.
- Source removal of the sludge and surrounding material was estimated to be more effective than the alternatives of solidifying in place or bioventing in-situ.
- The groundwater at the WFS Opal Plant has already been impacted. Down-gradient monitor wells are in place to monitor the effectiveness of the source removal and the natural attenuation of the groundwater.
- WFS would be constructing a lined emergency storage pond in a portion of the excavation area.
- The conclusions of the pond closure are in §2.2 below.

1.2. Site Geology (as described by in the 1993 EPA site report)

The site is located on an erosional surface of sandstones, Tertiary-aged mudstones and claystones of the Green River formation dipping 1-2 degrees to the southeast. The strata are generally very fine-grained. Individual sandstone and limestone units are generally less than 3' thick, discontinuous and hydraulically connected to the saturated river alluvium which were deposited on the Green River formation erosion surface by the streams. Evaporite minerals are interlayered in the sequence and locally separate aquifers. A highly weathered and highly fractured, gray to bluish gray, arenaceous mudstone typically underlies the alluvial material. Calcareous marlstone lenses and brown claystone lenses are also found in the Green River formation at the site.

South of the plant operations, in the Hams Fork River valley is the Hams Fork alluvium. The alluvium is a fluviially deposited series of discontinuous sand, gravel and silty lenses. The thickness of the Hams Fork Alluvium is undocumented. Isolated abandoned terrace deposits are located north of the river in the Opal Plant, NWP area. These terrace deposits can be up to 16' thick. The third unit present in the area are the deposits in the East and West Arroyos which transverse the site to the Hams Fork River. These deposits are unconsolidated sand and gravel and range in thickness from a few feet in the upper reaches of the arroyos to approximately 40' thick in the lower reaches of the arroyos.

1.3. Site Hydrogeology (as described by in the 1993 EPA site report)

Three aquifers underlie the Opal Plant NWP site. The shallow aquifer is a group of separate, unconnected aquifers that are found in abandoned terrace deposits and arroyo channel deposits. The groundwater in the localized aquifers is perched on the irregular erosion surface of the more impermeable Green River formation. Groundwater is usually located approximately 5 to 15' below the ground surface. The static water level is deeper in the down-gradient arroyo wells. The intermediate aquifer is located in the Hams Fork Alluvium to the south of the plant in the river valley with groundwater encountered at approximately 50' below ground surface. This aquifer has been the source of culinary water at the plant in the past. Groundwater is encountered in the deep aquifer at a depth of approximately 400' below ground surface. Geologic studies suggest that the deep aquifer is confined. Thus, making the likely source the Green River Formation.

2.0 CONCLUSION OF ADEQUACY OF WORK COMPLETED TO DATE

2.1. Removal & Closure of the Evaporation Pond

A preliminary plan was submitted for review. However, a WDEQ/WQD Chapter III permit-to-construct application was not obtained. WFS anticipated constructing a lined emergency storage pond in the west end of the excavated evaporation pond. The following information was included from the application:

- Knowledge of site history, description, geology and hydrogeology documented in our files. The area had previously been disturbed and the groundwater on site has been impacted making it a logical location for the emergency storage pond.
- The need for a second cell and rigorous water balance calculations was not needed. The pond was to be designed for emergency storage to back-up the on-site waste water treatment plant.
- Potential seepage had been addressed by the proposed placement of a 60 mil HDPE liner.
- Potential leaks would be addressed by the monitoring of existing down-gradient monitor wells. Groundwater sampling at that time was conducted quarterly for BETX and TPH on some wells, and semi-annually for BETX on others. Additional concerns with some of the existing wells were discussed below in section 3.
- No dike construction was projected to be necessary since the excavation already existed in the sedimentary bedrock.
- Riprap requirements should be exempted because of the size of the pond and the use of an artificial liner.

2.2. Report on the Closure of the Evaporation Pond

The assessment report submitted by Williams Field Service, dated February 23, 1995, made the following observations and conclusions:

- Pond de-watering began in July, 1994.
- Following the removal of all pumpable water from the pond fly ash was hauled in for sludge solidification prior to transporting off-site. The depth of the sludge was found to be 3' to 4'. The volume of sludge was greater than the original estimate.
- The 'floor' of the pond was found to be entirely bedrock (shale). A total of 642 tons of cement/fly ash blend was required as the solidification reagent.
- The walls of the pond were scraped until visually clean. The sidewall material was composed of weathered shale. Thus making a visual inspection easily discernable.
- Soil and sludge removed were transported off-site at the East Carbon Development Corporation landfill near Price, Utah.
- 4,450 tons of contaminated materials were hauled off-site. Of this total, approximately 3,100 tons were solidified sludge and 1,450 tons were contaminated soil.
- Confirmation sampling on the pond was conducted in December, 1994. There was no evidence of significant groundwater infiltration at any time during the sludge and soil removal. All puddles and 'wet' rocks did not exhibit evidence of BTEX.

2.3. Annual Groundwater Monitoring Reports

2.3.1. 1995 thru 1997 Monitoring Report Summary

No information available for this period.

2.3.2. 1998 Monitoring Report Summary

The WQD received the 1998 report, dated May 7, 1999, on May 12, 1999. WFS measured groundwater elevations on a quarterly basis in seven (7) monitoring wells, and one piezometer. Two wells, NPO-3 and NPO-10, were sampled on a quarterly basis for BTEX and TPH-GRO. Two additional wells, NPO-13 and NPO-14, a nested well pair, were sampled for BTEX and TPH-GRO on a semi-annual schedule. The "Highway seep" was inspected during each quarterly even with BTEX and TPH-GRO samples obtained when GW was present. At the time of this report the last time GW samples had been collected was in March of 1996. The 1998 report compiled analytical data since 1995. The data indicate a general decreasing trend in hydrocarbon concentrations. Well NPO-10 had the highest historical hydrocarbon concentration (200 µg/l benzene) in January, 1998. However, three of previous four sampling events had been non-detect for benzene.

At the time of the report (December 1998), the most recent sample revealed 89 µg/l benzene and 0.11 mg/l TPH-GRO. All other compounds were non-detect. This illustrated the high variability in the analytical data for this well. Well NPO-3 exhibited a more consistent decrease in benzene concentrations. The maximum benzene level in this well was 99 µg/l in March 1999, and with a steady decrease to 4 µg/l in December, 1998. Sporadic, low concentrations of toluene, ethylbenzene and xylene had been identified in this well. TPH-GRO levels have remained relatively constant from 0.10 to 0.20 mg/l. Wells NPO 13 and 14 are "nested" wells located adjacent to each other. Well NPO-13 is the deep well, with a screened interval from 56 to 66 feet bgs. Well NPO-14 is shallow with a screened interval from 18 to 28 feet bgs. Both have been non-detect for most of the BTEX compounds since sampling started in 1995. In July 1998, both wells had detections of TPH-GRO at low concentrations (well 13 - 0.02 and well 14 - 0.04 mg/l) for the first time since 1995. The GPC staff requested that the occurrence be verified.

2.3.3. 1999 thru 2002 Monitoring Reports Summary

No information available for this period.

2.3.4. 2003/2004 Monitoring Report Summary

In November, 2003 Mile High Environmental completed groundwater sampling on wells NPO-3, NPO-10 and NPO-14. The following results were reported: NPO-3 was 6.5 µg/L, NPO-14 was non-detect.

In April, 2004, Pioneer Technical Services obtained samples from NPO-3, NPO-10, NPO-13 and NPO-14. Along with field parameters samples were analyzed for TPH, GRO and MBTE. The following results were reported: NPO-3 was below standards, NPO-10 exhibited benzene at 14.0 µg/L, NPO-13 and NPO-14 were both non-detect.

2.3.5. 2004/2005 Monitoring Report Summary

Because of consistently dry wells or non-detectable levels of contaminants, wells NPO-6, NPO-13 and NPO-14 were recently eliminated from the monitoring program as directed in the June 15, 2004 correspondence from WYDEQ. Additionally, NPO-3 and NPO-10 were being sampled on a semi-annual basis.

For the October, 2004 sampling event, Pioneer Technical Services found the benzene level in well NPO-3 to be 2.3 µg/L and 25.0 µg/L in well NPO-10. In April, 2005, Pioneer Technical Services found the benzene level in NPO-3 to be 2.5 µg/L and 20.0 µg/L in NPO-10.

2.3.6. 2005/2006 Monitoring Report Summary

No information available for this period.

2.3.7. 2007/2008 Monitoring Report Summary

With benzene concentrations in well NPO-3 below the clean-up standard for BTEX for 7 consecutive sampling events Pioneer Technical Services requested that sampling in well NPO-3 be discontinued until the final sampling event in conjunction with site closure.

During the October, 2007 sampling event well NPO-10 reported a benzene level of 3.4 µg/L and 5.1 µg/L for the April, 2008 sampling event. Field parameters were not obtained due to limited groundwater recharge after the sample was acquired.

2.3.8. 2008/2009 Monitoring Report Summary

Well NPO-10 was the only well sampled during the October, 2008 and April, 2009 events. The results were as follows: 1.7 µg/L and 3.1 µg/L, respectively.

2.3.9. 2009/2010 Monitoring Report Summary

Well NPO-10 was the only monitoring well sampled at the site during the October, 2009 event. The benzene level for that event was determined to be 4.9 µg/L. During the April, 2010 event all wells, with the exception of NPO-3 and NPO-9 exhibited benzene concentrations below clean-up standards. The benzene concentration at NPO-3 was 5.4 µg/L.

However, during the April, 2010 event, Pioneer Technical Services reported disturbing levels of benzene (4,760 µg/L), toluene (12,500 µg/L), ethylbenzene (1,100 µg/L) and total xylene (13,100 µg/L) for NPO-9. By way of explanation, Pioneer concluded that "NPO-9 appears to be a different contaminant based on concentration than those previously identified at the Opal site. Williams is proposing the following course of action to address the information discovered during the April event at Opal:

Williams would like to complete the following tasks:

- Complete EFR or similar process for NPO-9
- Attempt to locate NPO-4

- Attempt to repair NPO-11
- Conduct an internal evaluation of tanks, processes, etc. at the plant to identify potential source or sources”

These levels are disturbing in that they have not been previously encountered at the site. Williams Field Service and Pioneer Technical Services apprized WYDEQ of the initial results in a conference call on June 8, 2010. At that time Williams proposed additional site characterization to determine the extent of the elevated levels. The additional site characterization was outlined in the subsequent “Opal Gas Plant, Site Assessment Plan” dated July 29, 2010.

2.4. Additional Site Characterization “Opal Gas Plant, Site Assessment Plan”

As directed in the June, 2010 conference call Williams Field Service provided a limited work plan. The course of action included the following:

- Complete EFR or similar process for well NPO-9
- Attempt to locate well NPO-4
- Attempt to repair NPO-11
- Conduct an internal evaluation of tanks, processes, etc. at the plant to identify potential sources of BTEX

WFS committed to completing these activities no later than July 31, 2010. The status report, dated July 29, 2010, provided the following information:

1. WFS changed consultants from Pioneer Technical Services to Shaw Environmental, Inc. Shaw Environmental proposed a bail-down test combined with delineation work utilizing geoprobe sampling technology;
2. Initial attempts to locate well NPO-4 proved unsuccessful. WFS suspects that a road building project removed the well.
3. The stainless steel casing for well NPO-11 was cut at the well base and capped. Shaw proposed postponing sampling at this well until the results of the additional delineation work could be assessed.
4. Initial source evaluations have been conducted by WFS. However, sufficient information does not exist to definitively identify the source of the product found in well NPO-9. Evaluation efforts will continue utilizing the geoprobe delineation work.

In a follow-up conference call on January 27, 2011 WFS and Shaw Environmental representatives outlined the results of the field work. Three activities were discussed: (1) bail-down of NPO-9; (2) geoprobe activities to determine the extent of the LNAPL encountered; (3) attempt to install sampling points in the vicinity of NPO-9.

From the conference call we also noted that approximately, 0.2' of LNAPL was encountered in NPO-9. The bail-down tests revealed that 80% of the product occurred within 2 to 3 hours after bailing was initiated with 100% after 24 hours. Several tests were performed to ascertain the characteristics of the LNAPL proved to be inconclusive. Furthermore, in response to the WYDEQ request for a review of the plant procedures, WFS outlined activities in this regard.

One portion of the investigation involved interviewing long time employees as to possible activities in the vicinity of NPO-9. However, no conclusions could be reached as to the origin of the release.

Shaw installed five additional sampling points in the vicinity of NPO-9 using an air knife installation method. This was necessary due to the large amount of underground piping. Three of the five new sample points encountered both GW and NAPL. However, the final two, upgradient topographically and hydraulically, encountered refusal from massive bedrock at 6' without encountering either GW or NAPL. In conjunction with these results Shaw Environmental and WFS proposed specific remediation activities to address the LNAPL situation. WYDEQ requested a formal work plan clearly outlining the proposed activities.

3.0 Conclusions submitted by Williams Field Service/Shaw Environmental

The formal assessment documenting the substance of the January 27, 2011 conference call was outlined in the document entitled "NPO-9 LNAPL Assessement":

- Groundwater at NPO-9 appears to be perched and recharges from stormwater runoff in the area.
- NPO-9 has not been sampled since 1983; therefore it is not possible to determine the timeframe when LNAPL first came to the well.
- Due to the distances from the historic flare pit, it does not appear that the LNAPL in NPO-9 is associated with the hydrocarbon impacts in groundwater from the flare pit. No other definitive sources were identified during the assessment.
- Due to historic hydrocarbons in groundwater from the historic flare pit, it is likely that the petroleum hydrocarbons from the historic flare pit and the NPO-9 are could co-mingle.
- The extent of LNAPL appears to be confined to the area immediately around NPO-9 as confirmed with the temporary wells. LNAPL plumes generally become stable over relatively short periods of time and based on the observed LNAPL thickness and lithology the LNAPL plume is assumed to be stable.
- Due to the fine grained nature of the soil, LNAPL saturation would be expected to be less than 10% of the saturated pore space. Because of the observed thickness of LNAPL, low hydraulic conductivity of the formation, and low percentage of LNAPL saturated pore space, the expected recovery of LNAPL in the immediate area of NPO-9 would be limited.

3.1. Recommendations proposed by Williams Field Service

1. Installation of a passive bailer in NPO-9 to initiate recovery. A passive bailer contains a hydrophilic membrane that will allow only non-aqueous fluids to enter the bailer.
2. The bailer should be checked weekly for LNAPL accumulation, emptied, and re-set in NPO-9.
3. Observations and measurements of the recovered LNAPL should be logged and tracked for future effectiveness evaluation.

4. After a period of time, the recovery success can be evaluated and any necessary changes implemented.

3.2. February 22, 2011 Response by WYDEQ/GPC staff to correspondence

- Requested a clarification as to the source of the LNAPL.
- In addition to miscellaneous documentation related to the maps in the report, a clarification as to the disposition of the purge waters produced in the sampling was requested.
- Requested detailed information as to the products to be employed in the proposal.
- Directed Williams Field Services to formalize the proposal in a Chapter 3 application for a permit-to-construct.

3.3. April 7, 2011 Williams Field Services Response to WYDEQ Comments

- WFS provided a clarification as to statements in the report pertaining to the source of the LNAPL. However, the source of the current LNAPL remains uncertain.
- The purge waters produced as a result of sampling event were allowed to evaporate within the lined containment area.
- Detailed information as to the proposed system was included.
- A schedule for reporting the results was included.

3.4. April 12, 2011 Work Plan

Due to the age of the original permit-to-construct (87-397) and to subsequent modifications to it, this application formalizes the current proposal.

The application provides information pertaining to a passive bailer to be installed in monitoring well NPO-9 for the recovery of light non-aqueous phase liquids (LNAPL). The proposed system employs a hydrophobic or water rejecting screen to collect only LNAPL which would be stored in the recovery reservoir. Detailed information as to the proposed system was included. A schedule for reporting the results was included. All field work will comply with applicable WYDEQ and EPA guidelines and specifications.

4.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS

- 4.1. **The April 5, 2011 work plan is approved as submitted. Please provide a two-week advance notice prior to installation. Please include a summary of the installation details in the next annual report.**

END OF REVIEW

JOC/rm/11-0361



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

May 19, 2011

Stephanie Foye-Huegel
3 Ferguson Road
Wheatland, Wyoming 82201

RE: Stephanie Foye-Huegel Residential Septic System,
Location: SE¼ SE¼ Section 15, T23N, R68W,

Application No. **11-136**
Platte County

Dear Ms. Foye-Huegel:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1000 gallon concrete septic tank and about 270 feet of chamber type leachfield divided into 4 equal length trenches 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 May 19, 2013. Please reference Application Number **11-136** in any future correspondence.

If you have any questions, please contact me at either 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/11-0478

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Platte County Planning Office, Dennis Becker, P.O. Box 728, Wheatland, WY 82201



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

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

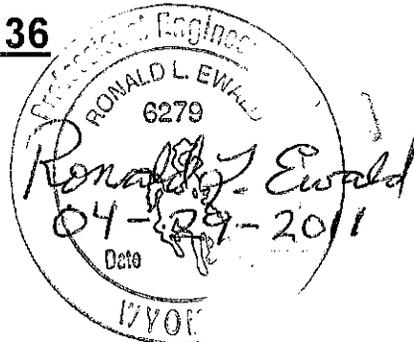
PROJECT: Stephanie Foye-Huegel Residential Septic System
LOCATION: SE¼, SE¼, Section 15, T23N, R68W, **Platte County**
ENGINEER: None
APPLICANT: Stephanie Foye-Huegel
3 Ferguson Road
Wheatland, Wyoming 82201
Ph: (641) 275-5425

WATER QUALITY DIVISION REFERENCE #:

11-136

REVIEWING ENGINEER: Ronald L. Ewald
Phone: (307) 777-6183
Email: rewald@wyo.gov

DATE OF REVIEW: April 29, 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. Proposed Leachfield Size Too Small - the proposed leachfield size of 804sf (square feet) is based on a percolation(perc) rate of 13mpi(minutes per inch). However, from the percolation test data submitted(**the perc data itself is OK**) the perc rate should be 16mpi. The individual perc hole rates are based on the "final" water level drop, not the average of the last 3, or the middle one of the last 3, but the "final" water level drop. When this miscalculation is accounted for the leachfield size will be about 11% larger. The correct minimum leachfield infiltrative surface area needs to be recalculated.
2. Leachfield Layout Needs to be Modified - after accounting for the correction above, two trenches of about 130 feet long each would be required. The WQD recommends that chamber leaching trenches not be longer than 75 feet. The leachfield layout should be redesigned to be either 3 equal length trenches with a distribution box, or even better, 4 equal length trenches.
3. 5% Surface Ground Slope at Leachfield Site - the application indicates that there is about a 5% surface ground slope in the area where the leachfield is proposed to be placed. Are the leachfield trenches going to run with the slope or across the slope? Please put some small arrows(1/4" long) spread out over the leachfield area indicating what direction is the downward slope at each arrowhead. Five(5) % slope can significantly affect the depth below the ground surface(dbgs) of the bottom of the leach trenches if they are all to be built at the same level and kept level throughout their lengths. Consider the surface slope when redoing the layout of the leachfield.
4. Seasonally High Ground Water Level - this question, on page 2, was not answered. It was indicated that the seasonal high GW level was determined from a well drillers log, who the well driller was, and when it was done, but somehow the answer to the question was left blank (probably just an oversight). Please answer this question.

End of Review

RLE/rm/11-0425

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



Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 15, 2011

Duane Hagen
DEBCO, LLC
PO Box 254
Gillette, WY 82717

RE: Tri-State Industries Small Commercial Wastewater System, Campbell County
Location: NE ¼, SE ¼, Section 11, T49N, Range 72W; Oilfield Subdivision Lot 1 Permit # 11-137

Dear Mr. Hagen:

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

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.

Please contact the Campbell County Building and Zoning Department at 307.682.1970 for compliance with any further county regulations. **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 307.777.6941.

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/11-0362

cc: IPS, Cheyenne
WYDEQ Casper File
John Boniface, Campbell County Public Works, 500 S Gillette Avenue, Suite 1400, Gillette, WY 82716
Jamie Tarver, PO Box 2080, Gillette, WY 82717





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 25, 2011

Cathleen Stalcup
Crump Land & Livestock LLC
501 Westside Dr
Gillette, WY 82718

RE: Crump Land & Livestock LLC, Shipwheel Ranch Calving Barn Small Wastewater System, Crook County
Location: SW ¼, NE ¼, Section 33, T49N, Range 68W; Permit # 11-138

Dear Mrs. Stalcup:

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

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.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307.283.4548 to arrange an inspection of the system. **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 307.777.6941.

Sincerely,

Suzanne Engels
Suzanne Engels
WDEQ/WQD

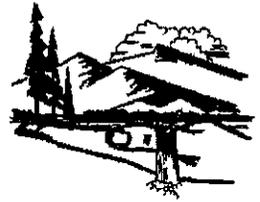
SE/bb/11-0401

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Tri-City Excavation, 169 Thorn Divide Rd, Carlile, WY 82721





Department of Environmental Quality



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

Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 9, 2011

Twila Blakeman, Mayor
Town of Dubois
P.O. Box 555
Dubois, WY 82513

RE: South first St. Water Project and Sewer Manhole Installations. DEQ Permit #11-139R, Fremont County, Latitude 43.533567°, Longitude 109.630833°

Dear Mayor Blakeman,

This project consists of the installation of a new water and sewer main in an alley directly adjacent to South First Street so that services can be reconnected and a water main abandoned in First Street. Project also includes the installation of various sewer manholes in locations throughout the town where fittings exist in the sewer system without a manhole.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11, Part B; 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

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
Matt Bowers, 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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-140R

Washakie County Septage Treatment Facility

This permit hereby authorizes the applicant:

Ron Harvey, Chairman
Washakie County Commission
P.O. Box 260
Worland, WY 82401

to construct a septage treatment facility that consists of receiving station, an anaerobic septage lagoon, and two biosolids drying beds, according to the procedures and conditions of the application number 11-140R. The receiving station is equipped with a honey monster, a key card system, and a water supply line. Both the anaerobic septage lagoon and biosolids drying beds are tied to evaporation ponds. This project is located at Section 22, Township 47 North, and Range 92 West in the county of Washakie, in the state of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by May 31, 2016.

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

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

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

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

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

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

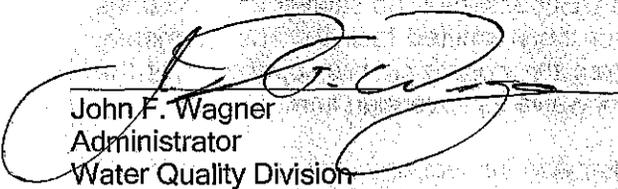
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit.

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

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

5-16-11
Date of Issuance

JSB/rm/11-0463

STATEMENT OF BASIS

1. Permit Number: 11-140R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above? Yes
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.

No
5. If Section 17 of Chapter 3 is applicable, indicate the basis of determining groundwater will be protected.

Three onsite borings to 34.5-foot depths failed to encounter groundwater and showed the lithology to be predominantly claystone or shale; that being said, DEQ will allow a clay liner in place of 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 James Brough, jbroug@state.wy.us, Northwest District Engineer and completed on May 12, 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."

cc: Roger Jacobson, P.E., Engineering Associates, P.O. Box 1900, Cody, WY 82414
Heath Overfield, P.E., Engineering Associates, 429 Broadway, Thermopolis, WY 82443
Bruce Frederick, Washakie County, 1001 Big Horn Ave., Suite 104, Worland, 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

John Corra, Director

NOTIFICATION OF COVERAGE

May 11, 2011

Laurie Tucker
205 Strawberry Hill Rd
Hulett, WY 82720

RE: Tucker Small Residential Wastewater System, Crook County
Location: Section 3, T55N, Range 65W; Permit # 11-141

Dear Mrs. Tucker:

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

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.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307.283.4548 to arrange an inspection of the system. **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 307.777.6941.

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/11-0454

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Bob Olson, RJ Olson Log Homes, PO Box 360, Hulett, WY 82720





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 28, 2011

Bruce Sedgwick
PO Box 147
Sundance, WY 82729

RE: Sedgwick Small Residential Wastewater System, Crook County
Location: SE ¼, SE ¼, Section 24, T51N, Range 63W; Permit # 11-142

Dear Mr. Sedgwick:

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

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.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307.283.4548 to arrange an inspection of the system. **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 307.777.6941.

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/11-0418

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Jay Pixley, PO Box 590, Sundance, WY 82729



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-143

Land Application of Water Contained from Hog Barn Fire
Site 60 Access Roads

This permit hereby authorizes the applicant:

Wyoming Premium Farms
P.O. Box 457
Wheatland Wyoming 82201

to road apply approximately 20,000 gallons of water contained from fire suppression in accordance with procedures and conditions of the application number 11-143. The facility is located in SE ¼ Section 36 T25N R67W in the county of Platte, in the State of Wyoming. The facility is located approximately 8 miles east northeast of Wheatland, Wyoming. This permit shall be effective until September 1, 2015.

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

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

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

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

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

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

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

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

1 of 3 The applicant will provide immediate oral or written notice to the DEQ/WQD Southeast District 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 the land application, the applicant will submit to the DEQ/WQD Southeast District Office on the form found at http://deq.state.wy.us/wqd/www/Permitting/Downloads/Certificate_Completion.pdf

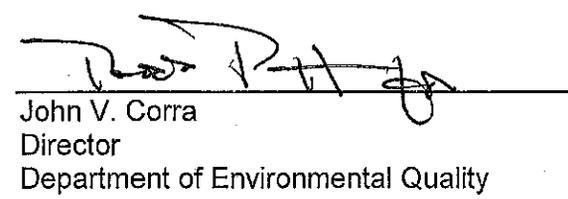
the following information:

- a. Dates that the land application was initiated and terminated.
- b. Certification the land application was performed in accordance with the terms and conditions of the permit.

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

4-21-11
Date of Issuance

LBH/rm/11-0385

STATEMENT OF BASIS

1. Permit Number: **11-143**

2. Application reviewed for compliance with the following applicable regulations :
 - a. Chapter 11.

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

4. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.

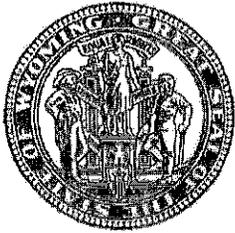
The water is being applied at rate determined to control road dust without runoff or infiltration.

5. Documentation of Statement of Basis.

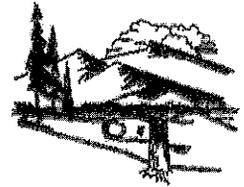
The archive file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Lou Harmon, and completed on April 19, 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.

Matt Mead, Governor

John Corra, Director

June 3, 2011

Jim Robinson
Town of Marbleton
10700 HWY 189
Marbleton, WY 83113

RE: Marbleton Well #7 - Well House and Piping Project - Permit Number 11-144R

Dear Mayor Robinson:

The date for the completion of construction on Permit Number 11-144R should have been written as May 23, 2013. The date was written as May 23, 2011 in the last sentence of the first paragraph of Permit Number 11-144R.

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
D. Shay Smith, P.E., Forsgren Associates Engineering, 849 Front Street, Suite 201, Evanston,
WY 82930

Page 1 of 1

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-144R

Marbleton Well #7 Well House and Piping
PWS # WY5600223

This permit hereby authorizes the applicant:

Jim Robinson
Town of Marbleton
10700 HWY 189
Marbleton, WY 83113

to construct the connection of water well #7 consisting of a well house with chlorinator according to the procedures and conditions of the application number 11-144R. The facility within the Town of Marbleton in Section 29, 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 May 23, 2011.

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

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

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

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

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

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

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

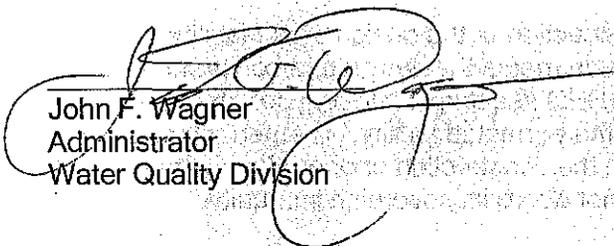
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

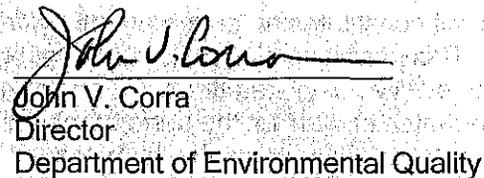
- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadow View Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

5/24/11
Date of Issuance

MDB/rm/11-0501

STATEMENT OF BASIS

1. Permit Number: 11-144R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. If a Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Not required.
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 Mark D. Baron, P.E., mark.baron@state.wy.us, Southwest District Engineer and completed on May 23, 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."

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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-145R

Marbleton Water Tower
PWS # WY5600223

This permit hereby authorizes the applicant:

Jim Robinson
Town of Marbleton
10700 HWY 189
Marbleton, WY 83113

to construct a 200,000 gallon elevated steel finished water storage tank according to the procedures and conditions of the application number 11-145R. The facility within the Town of Marbleton in Section 29, 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 May 27, 2013.

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

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

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

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

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

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

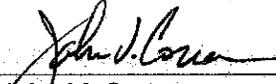
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 5 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadow View Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 5 The final tank design and foundation design shall be performed by a professional engineer registered in the State of Wyoming. The final designs of the tank and foundation must be submitted to the Southwest District Engineer 30 days before construction starts.
- 4 of 5 The final tank design must include the results from computational fluid dynamics modeling indicating how water from the tank inlet is mixed into the existing tank water. Both the tank inlet and outlet must be design such that thermal stratification and water age within the tank are minimized. The final designs of the tank inlet and outlet along with the modeling results including colored printouts must be submitted to the Southwest District Engineer 30 days before construction starts.
- 5 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

6-2-11
Date of Issuance

MDB/rm/11-0517

STATEMENT OF BASIS

1. Permit Number: 11-145R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. If a Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Not required.
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 Mark D. Baron, P.E., mark.baron@state.wy.us, Southwest District Engineer and completed on May 27, 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."

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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-146R

Pavillion Advanced Integrated Pond Wastewater Facility

This permit hereby authorizes the applicant:

Gary Hamlin, Mayor
Town of Pavillion
203 ½ North Main St.
Pavillion, WY 82523

to construct a wastewater lagoon facility that consists of a covered, anaerobic cell; an aerated second cell, and non-aerated third cell, according to the procedures and conditions of the application number 11-146R. The total residence time will be less than 40 days and the design flow is 20,000 gallons per day to serve a 2010 population of about 230 people. This project is located at Northeast ¼, Section 7, Township 39, and Range 113 West in the county of Teton, in the state of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by July 31, 2014.

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

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

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

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

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

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

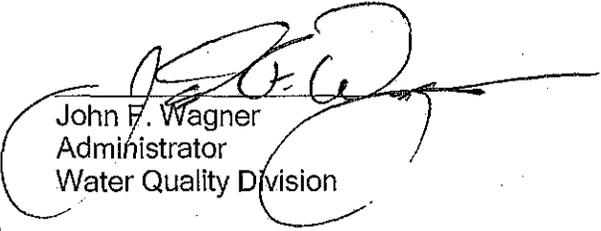
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit.

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

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

7/15/11
Date of Issuance

JSB/rm/11-0654

STATEMENT OF BASIS

1. Permit Number: 11-146R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above? No.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
The design has been based upon advanced integrated pond systems (AIPS) recommendations from Dr. Michael Richard whom has designed several successful wastewater facilities in Colorado and elsewhere.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Wastewater Cells 1 and 3 will be concrete lined and Cell 2 will be tested to demonstrate a permeability equivalent to three feet of 10E-7 centimeters per second or less.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

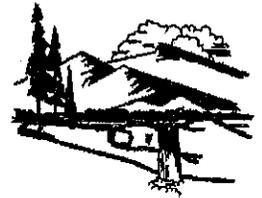
CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James Brough, jbroug@state.wy.us, Northwest District Engineer and completed on July 12, 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."

cc: James Gores, P.E., James Gores and Associates, P.C., 111 North Third East, Riverton, WY 82501



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

May 2, 2011
Joel Peterson, Mayor
Town of Cowley
20 S. Division St.
Cowley, WY 82420

RE: West End Water Project. DEQ Permit #11-147, Big Horn County, from latitude 44.88669°, longitude 108.47425° to latitude 44.89375°, longitude 108.59425°

Dear Mayor Peterson,

This project consists of the replacement of approximately 6 miles of water line between the towns of Cowley and Deaver, Wyoming.

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

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
William E. Bridges PE..Pryor Mountain Engineering, P.O. Box 671, Cowley, WY 82420



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-148

GILCHRIST ELEMENTARY SCHOOL WATER TREATMENT MODIFICATION
PWS WY5601025

This permit hereby authorizes the applicant:

LARAMIE COUNTY SCHOOL DISTRICT NO. 1
2810 HOUSE AVENUE
CHEYENNE, WY 82001

to construct, install or modify reverse osmosis filtration system, according to the procedures and conditions of the application number 11-148. The facility is located in NW ¼, NW ¼, Section 25, T14N R69W; Laramie County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed May 11, 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.

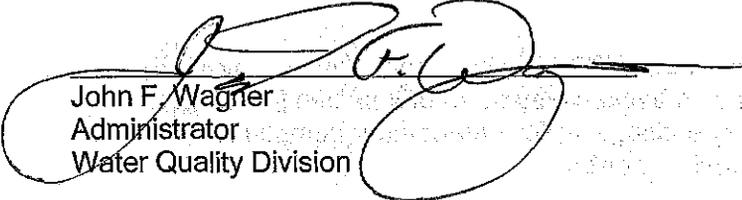
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

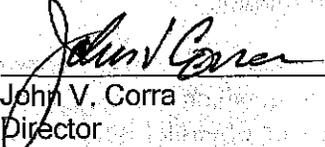
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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 307-777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 The school will provide bottled water when the reverse osmosis filtration system is bypassed for maintenance work.
- 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.
- 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 5/13/11

RRC/rm/11-0458

cc: Jack Meena, States West Water Resources Corp., 1904 E. 15th Street, Cheyenne, WY 82001

STATEMENT OF BASIS

1. Permit Number: **11-148**

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?

NO

4. The permit approval is based upon a deviation from applicable regulations in accordance with Section 5. of Chapter 12.

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

Chapter 12, Section 10 does not list reverse osmosis water treatment systems as a water treatment option.

b. Briefly state the basis for the deviation.

Data supplied by the Engineer and the manufacture indicates the raw water will be treated to potable water standards.

5. 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.

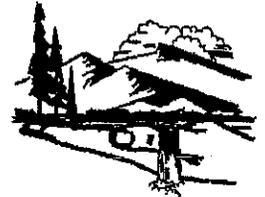
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

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 R. Cripe P.E., Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on May 11, 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.

Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 9, 2011

Roland Himes, District Chairman
Farview Water District
P.O. Box 1641
Riverton, WY 82501

RE: Farview Water Supply Project. DEQ Permit #11-149, Fremont County, Latitude 43.13°, Longitude 108.4022°

Dear Mr. Himes,

This project consists of the completion of well drilled in a WWDC level II project, about 400 linear feet of 2 inch HDPE transmission line and associated chlorination and control equipment.

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

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

Sincerely,

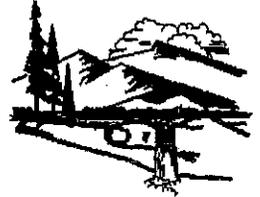
Hannes E. Stueckler, P.E.
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne
David G. Myers PE, Stetson Engineering, Inc., 620 E. Monroe, Riverton, WY 82501





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

April 26, 2011

C. Dawn Willhelm, P.E.
Utility Division Manager
City of Riverton
816 N. Federal
Riverton, WY 82501

RE: West Park Sewer Interceptor Project, Permit Number: 11-150, Section 28 & 33, T. 1 N., R. 4 E., Fremont County

Dear Ms. Willhelm:

This project involves the installation of about 2,710 linear feet of 15-inch sewer line, nine manholes, reconnection to twenty-one services and appurtenances. This project will re-route sewer flows for the northwest portion of town near the intersection of College View Drive and Main Street into an existing sewer interceptor line at the intersection of West Park Avenue and Major Avenue. This application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct the facilities in accordance with the general permits and 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 which can be downloaded from the Wyoming Department of Environmental Quality webpage at:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

If you have any questions, please contact me at 307-335-6961.

Sincerely,

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

xc: David Myers, Stetson Engineering, Inc., P.O. Box 1836, Riverton, WY 82501
IPS, Cheyenne

