

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-401

Fremont County Youth Camp Water System Upgrades
Public Water System #WY5600389

This permit hereby authorizes the applicant:

Ron Cunningham
Fremont County Youth Camp Board of Directors
P.O. Box 470
Lander, WY 82520

to construct approximately 3,700 linear feet of 3-inch HDPE water line, install a filtration and disinfection building, and to install two new 8,000-gallon water storage tanks, according to the procedures and conditions of the application number 11-401. The facility is located about 15 miles southwest of the Town of Lander within NW ¼, Section 4, Township 41 North and Range 101 West in the county of Fremont, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 31, 2013.

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

Granting this permit does not imply that DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable 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.

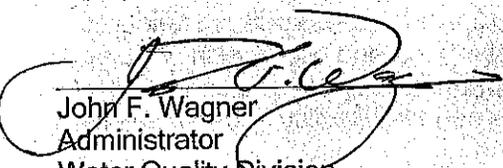
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not

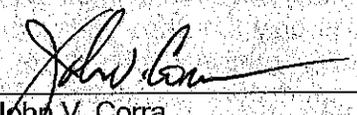
relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

10-17-11
Date of Issuance

JSB/rm/11-0934

STATEMENT OF BASIS

1. Permit Number: 11-401
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. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.

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 James Brough, jbroug@state.wy.us, Northwest District Engineer and completed on October 14, 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."

xc: Diane Oress, P.E., Dowl HKM, P.O. Box 1655, Lander, WY 82520

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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.

Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 4, 2011

Ed Higbie
1143 Sheridan Ave.,
Cody, WY 82414

RE: Blackburn PUD
DEQ Permit #11-402R
Park County, Latitude for 4.5382°, Longitude 109.04241°

Dear Mr. Higbie,

This project consists of the extension of treated water main and the installation of low pressure sanitary sewer main to serve the Blackburn PUD.

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
Jeremy A Easum P.E., Sage Civil Engineering, 2824 Big Horn Ave., Cody, WY 82414





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

November 1, 2011

Ben Ellis, Chairman
Teton County Board of Commissioners
P. O. Box 3594
Jackson, WY 83001

RE: Wright Clark Subdivision, DEQ Application #11-403

Dear Chairman Ellis:

The Wyoming Department of Environmental Quality/Water Quality Division (DEQ/WQD) has completed the review of the above referenced subdivision pursuant to W.S. 18-5-306. This letter constitutes our conclusions regarding the feasibility of the proposed water and sewage systems pursuant to the W.S. 18-5-306 (c). The State Engineer's Office (SEO) October 25, 2011 letter is attached.

The project is located in the SE¼NE¼ §15, T.41 N., R.117 W. (6th P.M.) in Teton County, Wyoming. The proposal was submitted by Philip Gyr, P.E, and David Stephenson, P.G., (both with Nelson Engineering) on behalf of Pierson Land Works. Both Mr. Gyr and Mr. Stephenson are licensed to practice in Wyoming. The project proposes to develop a 27.32 acre parcel into 5 total lots ranging in size from 3.85 to 7.93 acres. While not specifically stated, individual wells and septic systems are proposed for all five lots. Two residences are currently located on the parcel. According to the proposed engineering plat (Drawing No. 2, entitled "Lot Layout and Test Pit Location Map") the residences are located on lots 7 & 8. Also, there is apparently at least one existing domestic well, the Wright Clark #5 well. As depicted by that same drawing the Wright Clark #5 is located on Lot 8.

Findings As To The Safety And Adequacy Of The Proposed Sewage System

Individual lot small wastewater treatment systems will adequately protect the subdivision's groundwater, with the following stipulation as outlined by the consultant:

- A notation on the plat shall clearly indicate the requirements for construction of an enhanced wastewater treatment systems meeting WDEQ requirements designed by a licensed professional engineer will be required for all new construction.

Q:\DIVISION\WQD\W&WW Section\Subdivisions\NW Subdivision Reviews\Teton\Wright Clark\11-403 Wright Clark Recommendations.HES.doc

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



Findings As To The Safety And Adequacy Of The Proposed Water System

Individual wells are proposed for the culinary water requirements for the subdivision. With the following concerns noted, we concur that the unconfined aquifer should be a satisfactory source of culinary water of sufficient quantity and good quality to supply the needs of the proposed subdivision.

In accordance with WYDEQ W/WW policy, an existing well located within the boundaries of the proposed subdivision was used as the basis for projected quantities and was reflective of the water quality.

Quantity: A review of the available literature tabulated in the report revealed that an extensive, unconfined aquifer is the source of domestic supply for a number of wells in the vicinity of the proposed subdivision. Reported flow rates varied between 0 gpm and 1,300 gpm for over 260 wells. The tabulation of the area wells indicates that sufficient quantity exists.

Quality: As required by Chapter 23 §8(d)(i), subdivisions proposing on-lot wells are required to submit water quality data representative of the proposed drinking water source. The water quality analysis from the Wright Clark #5 well, located within the boundaries of the proposed subdivision, revealed that all primary and secondary drinking water standards required by Chapter 23 §8(d)(i) were included and were within prescribed limits.

State Engineer's Office: DEQ acknowledges that the state engineers office is generally not supportive of approving the development of the subdivision at this time due to procedures for acquiring water rights which have not been completed, as outlined in the letter dated October 25, 2011 issued by the state engineers office (attached). It is the responsibility of the subdivider to assure that all state engineer's requirements have been satisfied prior to subdivision of the property.

Conclusion(s)

The Department of Environmental Quality/Water Quality Division has no "adverse" recommendations on this proposed subdivision. However, the DEQ/WQD acknowledges that SEO's aforementioned concerns must be satisfactorily addressed.

Disclaimer

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

Please do not hesitate to contact me at (307) 335-6964 if you have any questions on the recommendations or need any assistance on how to proceed with this application.

Sincerely,



Hannes E. Stueckler, P.E.
Assistant NW District Engineer
DEQ/Water Quality Division

encl: Wyoming State Engineer's October 25, 2011 letter

xc: (without enclosure)

David Stephanson, P.E., Environ International Corp. 303 E. 17th St., Suite 400, Denver, CO 80203

Mike Ebsen, State Engineer's Office, Herschler Building, 4-E, Cheyenne, WY 82002

Planning Director, Teton County Planning Department, P.O. Box 1727, Jackson, WY 83001

DEQ Subdivision File



ARCHIVES

State Engineer's Office

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

MATTHEW H. MEAD
GOVERNOR

PATRICK TYRRELL
STATE ENGINEER

25 October 2011



Hannes Stueckler, PE
DEQ/WQD/Northwest District
510 Meadow View Drive
Lander, WY 82520

RE: DEQ/WQD Subdivision Application, 11-93, Wright-Clark Subdivision; Teton County

Dear Mr. Stueckler:

As per your request, State Engineers Office staff has reviewed the submittal referenced above in compliance with Wyoming Statute 18-5-306 (c) (i). The tract proposed for subdivision is a 27.32 acre parcel on the east bank of Fish Creek in the SE ¼ NE ¼, Section 15, T41N, R117W, 6th PM, Teton County, Wyoming. The parcel is currently occupied by farm buildings, flood irrigated pastureland, and two residences. The proposed subdivision would result in five lots ranging in size from 3.85 to 7.93 acres. The proposed water supply is to be drawn from on lot wells, and wastewater treatment will be accomplished in on lot enhanced septic systems. Pierson Landworks has been contracted to "perform a search of the State Engineer's Water Rights for the parcel and to apply existing water rights to the subdivision lots." As a part of this review a cursory search of the State Engineer's Water Right Records in the area of the subdivision was conducted. We offer the following comments:

1. The proposed on-lot wells must be constructed to meet or exceed State Engineer's Office Rules and Regulations, Part III, Water Well Minimum Construction Standards. An approved permit from the Wyoming State Engineer's Office is required prior to the drilling of any water well.
2. Be advised that the procurement of the necessary and appropriate State Engineer water right permit allows the applicant to attempt to develop a water supply adequate to meet the proposed needs, and is no guarantee that any water will be physically available.
3. Our search confirmed existing and subject water rights of record as attaching to lands in the area of this proposed subdivision. This being the case, it appears that further water right action on the part of the subdivider or his agent in addressing Wyoming Statute 18-5-306 (a) (xi) is yet required [reference WDEQ Chapter 23, Section 8 (vi)]. As of this date, no such action has been initiated with the Board of Control Division of this Office.

Therefore the State Engineers Office is generally not supportive of approving the development of the proposed subdivision at this time. Also be advised that any number of events could occur at

Surface Water
(307) 777-6475

Ground Water
(307) 777-6163

Board of Control
(307) 777-6178

some point in the future, which may preclude the State Engineer from issuing new permits for new activities of this type.

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

In all correspondence regarding this submittal please reference State Engineers Office Review Number 2011-27-12. If you have any questions, please feel free to contact me at (307) 777-6166, or if you prefer email, my address is mike.ebsen@wyo.gov.

Sincerely,



Mike Ebsen
Cooperative Programs Coordinator

Cc: Lou Harmon, DEQ-WQD, Environmental Program Manager
Jade Henderson, Superintendent, Water Division Number IV
Bodean Barney, Water Commissioner, Water District Number 16
John Barnes, Administrator, Surface Water Division
Lisa Lindemann, Administrator, Ground Water Division
Allan Cunningham, Administrator, Board of Control Division
Philip Gyr, P.E., Nelson Engineering, P.O. Box 1599, Jackson, WY 83001
Teton County Planning Office, P.O. Box 1727, Jackson, WY 83001; w/ enclosures



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

October 11, 2011

Stephen W. Payne, P.E., Public Works Director
City of Cody
P.O. Box 2200
Cody, WY 82414

RE: City of Cody 2009 Multiple Sanitary Sewer Rehabilitation Project
DEQ Permit #11-404
Park County, NE ¼ NE1/4, Tract 79, T 53N, R 101W

Dear Mr. Payne,

This project consists of the installation of approximately 1604 linear feet of 8 inch PVC cured in place sewer pipe liner. The pipe will be used to line various deteriorated 8 inch diameter vitrified clay pipe.

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. due to historical success at this lower slope with existing clay pipes. The clay pipes will be replaced PVC pipes, which have superior flow characteristics to the older style pipe. The City of Cody is not able to achieve sewer slopes as indicated in the Chapter 11 regulations due to naturally occurring site constraints. The City of Cody 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

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

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

AIR QUALITY
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FAX 332-7726

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

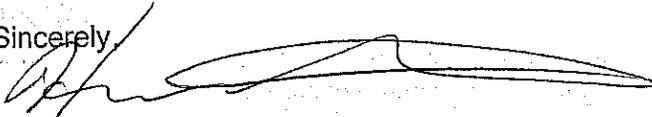
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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



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

Sincerely,



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

xc: PDF to Cheyenne

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-406

Dyno Nobel Urea Process Area Drainage Ditch

This permit hereby authorizes the applicant:

Dyno Nobel Inc.
P.O. Box 1287
Cheyenne, WY, 82003

to construct, install or modify a replacement of Urea process area drainage ditch with a PolyDrain Trench Drain System embedded in a concrete open ditch according to the procedures and conditions of the application number 11-406. The facility is located in SE 1/4 NE 1/4 Section 17 T13N R67W in the county of Laramie, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 13, 2014.

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

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

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

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

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

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

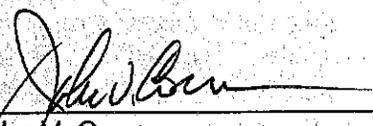
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7075, FAX 307-777-7610, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

10-17-11
Date of Issuance

RRC/rm/11-0933

STATEMENT OF BASIS

1. Permit Number: 11-406
2. Application reviewed for compliance with the following applicable regulations :
Chapter(s) 3 and 11 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?
Yes
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was required.
5. The basis for determining groundwater will be protected is that the facility is designed so that it will not allow a discharge. The concrete ditch will provide secondary containment in the event of a leak in the polydrain trench drain system.
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 PE, Southeast District Engineer, rich.cripe@wyo.gov, and completed on October 14, 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."

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

PERMIT NO. 11-407

REFERENCE PERMIT NO. 11-314

Denbury - Onshore Office and Warehouse Water Supply
No Public Water System Number Assigned

This permit hereby authorizes the applicant:

Denbury Onshore, LLC
Mike Liebelt
1 Gopher Ridge Lane
Big Piney, WY 83113

To complete the construction of a public water system consisting of an existing 90 foot water well and distribution pipe, to serve an office and warehouse according to the procedures and conditions of the application number 11-407. The facility is located about 2 miles south of Big Piney in S ½ NW ¼ Section 8 T29N R111W (Lots 4 and 5 of the Gopher Ridge Industrial Park Subdivision); Sublette County in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 12, 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.

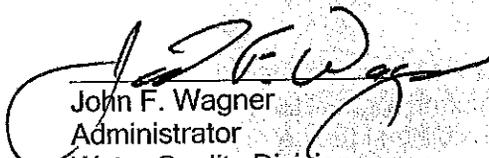
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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 Southwest District, Water Quality Division, 510 Meadow View Drive, Lander, WY 82520, Phone 307-332-3144, FAX 307-332-7726, 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 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

10-17-11
Date of Issuance

MDB/rm/11-0935

STATEMENT BASIS

1. Permit Number: 11-407

2. This application was reviewed for compliance with the applicable regulations;
Chapters 3, 11
3. Does the permit comply with all applicable regulations identified above?
No. Existing, distribution piping, for the office runs through a crawl space. Separate, existing distribution piping, runs into the warehouse. If disinfection is required separate UV disinfection units will be installed in the distribution piping for the office and warehouse. Heating and ventilation systems will also be installed.
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, Southwest District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality/Water Quality Division, and completed on October 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: Mark Eatinger, P.E., Rio Verde Engineering, P.O. Box 642, 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

October 17, 2011

Denbury Onshore, LLC
Attention: Mike Liebelt
1 Gopher Ridge Lane
Big Piney, WY 83113

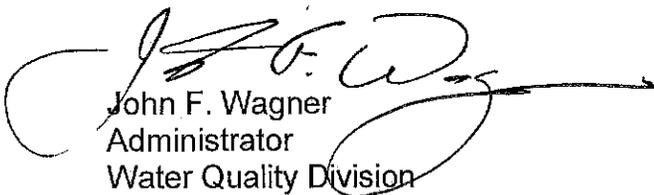
RE: Denbury Onshore Big Piney Area Office and Warehouse Water System
Modifications, As- Built Permit To Construct, WQD Reference Number 11-407

Dear Mr. Liebelt:

The Department of Environmental Quality/Water Quality Division(DEQ/WQD) has reviewed the above referenced As- Built Application submitted by your Engineer, Mark Eatinger, P.E. Our review of the information and as-constructed plans submitted to this office indicates that the application meets DEQ/WQD regulations and the enclosed As-Built permit to construct is hereby issued. The enclosed permit covers the modification of the existing water system.

Denbury purchased property with an existing unpermitted water system consisting of a water well with distribution piping to both an office and warehouse, therefore, no Notice of Violation was issued. The Denbury Office and Warehouse water system and the new Denbury employee housing water system are being treated as one public water system.

Sincerely,

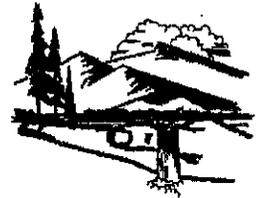

John F. Wagner
Administrator
Water Quality Division

JFW/MDB/rm/11-0935





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

October 12, 2011

Jennifer R. Rosenkranse, City Administrator
City of Cody
P.O. Box 2200
Cody, WY 82414

RE: Skyline Drive and West Strip Water Main Installation Project. DEQ Permit #11-408, Park County, Latitude 44.511°, Longitude 109.0803°

Dear Ms. Rosenkranse,

This project consists of the installation of approximately 525 linear feet of 12 inch water main canal crossing, removal of existing pressure reducing valve (PRV), installation of new PRV.

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

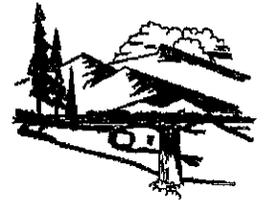
xc: PDF to Cheyenne
James G. Evans, P.E., Sage Civil Engineering, 2824 Big Horn Ave., Cody, WY 82414





Department of Environmental Quality

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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 12, 2011

Stephen W. Payne, P.E., Public Works Director
City of Cody
P.O. Box 2200
Cody, WY 82414

RE: 2011 Sanitary Sewer Main Rehabilitation Project
DEQ Permit #11-409
Park County, Latitude 44.52937°, Longitude -109.05916°

Dear Mr. Payne,

This project consists of the installation of approximately 1303 linear feet of 8 inch PVC cured in place sewer pipe liner. The pipe will be used to line various deteriorated 8 inch diameter vitrified clay tile and concrete pipe.

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

xc: PDF to Cheyenne

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

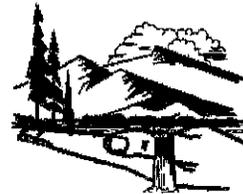
WATER QUALITY
(307) 332-3144
FAX 332-7726





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 13, 2011

Lori Milnes
P.O. Box 1611
Wheatland, Wyoming 82201

RE: Milnes Residential Septic System,
Location: SW $\frac{1}{4}$ NW $\frac{1}{4}$ Section 32, T24N, R68W,

Application No. **11-410**
Platte County

Dear Ms. Milnes:

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 chamber trench leachfield divided into four equal length trenches of about 25 feet each for a **3 bedroom house** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific condition also applies:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on October 12, 2013. Please reference Application Number 11-410 in any future correspondence.

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

Sincerely,

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

RLE/rm/11-0929

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

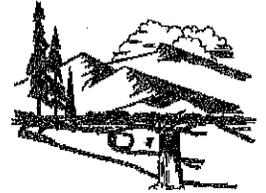
cc: IPS, Cheyenne
Platte County Planning Office, Dennis Becker, PO. Box 728, Wheatland, WY 82201





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

October 11, 2011

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

Subject: Non-Adverse Recommendation, Bison Crossing Eighth Filing Subdivision,
Laramie County, DEQ/WQD Application # 11-411

Dear Commissioners:

The Wyoming Department of Environmental Quality has completed the review of the proposed Bison Crossing 8th Filing Subdivision located in Sections 30 & 31, T13N, R66W, 6th P.M., in Laramie County, Wyoming. The Bison Crossing 8th Filing Subdivision will create 24 residential lots out of approximately 74.9 acres. The information was submitted by Dahlgren Consulting, Inc., signed by Russell Dahlgren, P.E./P.G., a Wyoming Licensed Engineer and Wyoming Professional Geologist. This letter represents the recommendations of the Wyoming Department of Environmental Quality as required by W.S. 18-5-306(c).

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

The proposed sewage system is the use of individual on-site septic tanks and leach fields permitted by the Laramie County Environmental Health Division and constructed in compliance with Wyoming Department of Environmental Quality Water Quality Rules and Regulations, and Laramie County On-site Sewage 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 to be connection to an existing public water supply distribution system owned and operated by Winchester Hills Utility Company. The Winchester Hills water system is a self-sufficient system consisting of three water supply wells, a 570,000 gallon above ground storage tank, disinfection capability, and a distribution network of various size water mains.

In addition, the Winchester Hills Utility Company has developed a comprehensive mandatory "Water Conservation Plan" which covers current, future, and adverse conditions. The DEQ / Water Quality Division has reviewed this "Water Conservation Plan" and finds that with this plan in place, the information submitted addresses the safety and adequacy of the proposed water system; provided the following statements are added to all pertinent documents.



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

The Winchester Hills Utility Company shall maintain an up-to-date "Water Conservation Plan" and copies of the plan shall be distributed to all water system customers, both new and old, as the plan is updated.

Conclusions:

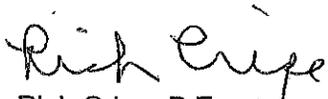
The Department of Environmental Quality has "No Adverse" recommendations applicable to the Bison Crossing 8th Filing Subdivision.

Disclaimer:

The Non-Adverse recommendation provided above has nothing to do with, nor has any bearing on the water rights associated with the Bison Crossing 8th Filing Subdivision. Any questions or concerns about the water rights for the Bison Crossing 8th Filing Subdivision should be directed to the State Engineer's Office.

Nothing in Department of Environmental Quality recommendations or comments regarding the Dahlgren Consulting proposal for the Bison Crossing 8th Filing Subdivision shall be construed to relieve T.F.S. II, LLC, Winchester Hills Utility Company 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, P.E.
Southeast District Engineering Supervisor
Water & Wastewater Program, Water Quality Division

RLE/RRC/rm/11-0919

cc: Brett A. Vizina, Managing Member, T.F.S. II, LLC, 1124 Dunn Ave., Cheyenne, Wyoming 82001
Russ Dahlgren, Dahlgren Consulting, Inc., 914 E. 23rd Street, Cheyenne, Wyoming 82001
John Himmelreich & Associates, 1010 S. Sierra Madre St., Colorado Springs, Colorado 80903
Laramie County Planning and Development Office, 309 west 20th, Cheyenne, Wyoming 82001
Gary Hickman, Director, Laramie County Division of Environmental Health, 100 Central Ave., Suite 261, Cheyenne, WY 82007
Michael Ebsen, SEO

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-412

Carter Creek Gas Plant - UV Treatment
PWS WY5600980

This permit hereby authorizes the applicant:

Michael K. DeBerry
Chevron U.S.A., Inc.
760 Horizon Drive, Suite 401
Grand Junction, CO 81506

to construct modifications to a public surface water treatment system consisting of a cartridge filtration system and a ultraviolet light disinfection system to serve a gas plant workforce of about 80 persons according to the procedures and conditions of the application number 11-412. The facility is located about 22 miles north of Evanston in NE ¼ Section 6, T18N R119W in the county of Uinta, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 19, 2013.

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

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

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

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

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

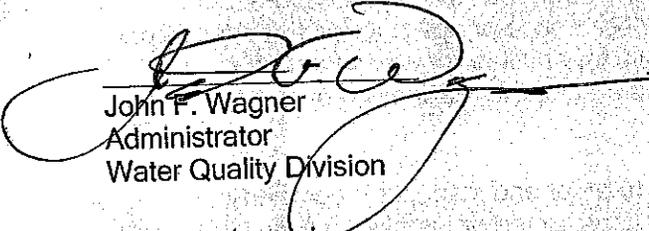
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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

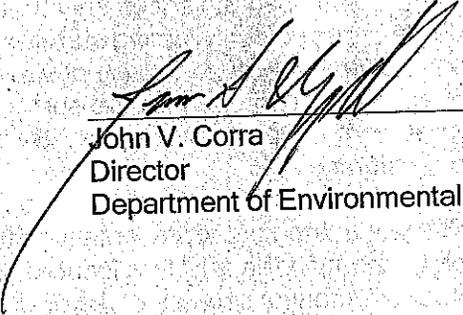
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 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 307-332-7726, 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

10-27-11
Date of Issuance


John V. Corra
Director
Department of Environmental Quality

MDB/rm/11-0954

STATEMENT OF BASIS

1. Permit Number: 11-412
2. Application reviewed for compliance with the following regulations:
Yes. Chapters 3, and 12 of the Wyoming Water Quality Rules and Regulations.
3. If a Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Not Required.
4. 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 October 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."

cc: Josh Wright, P.E., Uinta Engineering & Surveying, Inc., 808 Main St., Evanston, WY 82930



Mark Baron <mark.baron@wyo.gov>

Re: Chevron Carter Creek WY5600980

1 message

WDEQ / WQD
11-412

Mark Baron <mark.baron@wyo.gov>

Wed, Oct 19, 2011 at 10:38 AM

To: Mohr.Mindy@epamail.epa.gov

Cc: jwright@uintaengineering.com

Mindy, I spoke with Josh Wright about the following items. Josh is copied on this email. We have resolved the various issues. Pressure gages along with sample taps will be installed on either side of the cartridge filters. The cartridge filters will be 1 micron absolute. There is also an existing cartridge filter by-pass that will be removed. Josh will submit CT calculations.

On Sun, Oct 16, 2011 at 4:11 PM, <Mohr.Mindy@epamail.epa.gov> wrote:

Mark,

I received the proposed changes for this PWS to replace bag filters with cartridge and add UV (part of their commitment under LT2SWTR to achieve 5.5 logs Crypto reduction). I have some concerns about the design and wanted to share them with you. Please let me know if you will incorporate these comments with the WYDEQ review, or if I should send them first to the engineer.

1. The checklist did not include the CT calculations to show they achieve 4 logs virus inactivation from the chlorine (cartridge and UV do not reduce viruses). They indicate that Area 41 lab sink is the 1st user, but they need to do the actual inactivation calculation using contact time in the contact tank. I can assist the engineers with that (we can look at the previous sanitary survey for contact tank dimensions/baffling factor) if needed.

2. The narrative indicates that the cartridge elements PP1.0 30CB are 1 micron absolute, however the attached documentation indicates these are 1 micron NOMINAL rating. An absolute pore size means that at least 99% of the pores are 1 micron or smaller (to achieve 99% removal of Cryptosporidium as required). A nominal rating typically means the median pore size is 1 micron, so a significant percent may be > 1 micron. They need to locate 1-2 micron absolute pore size cartridges for these housings.

3. They indicate no changes will be made to the bag piping to replace bags with cartridges. I could not determine if they have adequate pressure gauges around the final cartridge housings to watch for pressure drop and ensure it does not exceed recommended values from the cartridge element manufacturer.

4. The UV system they chose appears fine; the PWS must determine how they will document for the month that at least 95% by volume of the water was treated to the required UV dose (40 mJ/cm²) - did not exceed the validated flow rate of this reactor and maintained the required intensity setpoint. I believe I've shared the reporting forms with them previously; they can be found on on Drinking Water online website also.

Let me know how you'd like to proceed.

Mindy

Mindy Mohr, Acting Chief
EPA Region 8 Drinking Water Unit A
303-312-6525
FAX 303-312-7084 or 1-877-876-9101
mohr.mindy@epa.gov

--
Sincerely

Mark D. Baron, P.E.
Southwest District Engineer
Wyoming Department of Environmental Quality
Wyoming Water Quality Division
510 Meadowview Drive, Lander, WY 82520
Ph. 307-335-6962 Fax 307-332-7726
mark.baron@wyo.gov
<http://deq.state.wy.us/wqd/www/index.asp>

E-Mail to and from me, in connection with the transaction of public business, is subject to the Wyoming Public Records Act and may be disclosed to third parties.



Mark Baron <mark.baron@wyo.gov>

Cheron Carter Creek Project

1 message

Josh Wright <jwright@uintaengineering.com>

Thu, Oct 20, 2011 at 2:14 PM

To: Mark Baron <mark.baron@wyo.gov>

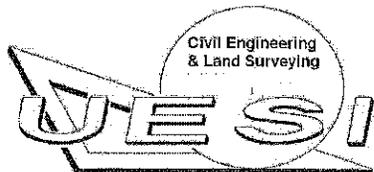
Cc: Mohr.Mindy@epamail.epa.gov

Mark, Mindy,

I have attached a submittal from Matrix Separations for the Cartridge Filters we intend to use on the Chevron Carter Creek Project. Under the Benefits sections they mention that the ratings are absolute.

Thanks,

Josh Wright
PE



**UINTA ENGINEERING
AND SURVEYING INC.**

808 Main Street

P.O. Box 746

Evanston, Wyoming 82930

Phone: (307) 789-3602

Fax: (307) 789-6456

Cell: (307) 799-7705

Email: jwright@uintaengineering.com



Economy Poly-Pleat.pdf

741K

**PLEATED
CARTRIDGES**

Economy Poly-Pleat Polypropylene Pleated Depth Cartridges

Matrix's CPP/CPW all Polypropylene Filter Cartridges are designed to optimize throughout while achieving absolute and repeatable effluent quality. Our filter media is constructed on the latest continuous Micro-Fiber blowing equipment that accurately controls fiber diameter and integrity. Utilizing state-of-the-art on-line monitoring equipment. Matrix delivers the industry's most uniform and consistent media, ensuring unparalleled product consistency. Our 100% Polypropylene construction provides an expansive chemical compatibility range for your most demanding applications.

PRODUCT SPECIFICATIONS

MATERIALS OF CONSTRUCTION

Filter Media: Polypropylene Microfiber
Support Material: Polypropylene
Hardware: Polypropylene
Cage: Polypropylene
Sealing: Thermal Bond
O-rings: Buna N, Viton A, EPDM
Teflon Encapsulated Viton

DIMENSIONS

Outside Diameter:

2.55" (6.48 cm)

Lengths:

10" (25.4cm), 20" (50.8cm),

30" (76.2cm), 40" (102cm)

MAXIMUM OPERATING TEMPERATURE

180° F (82° C) Continuous Duty

PERFORMANCE SPECIFICATIONS

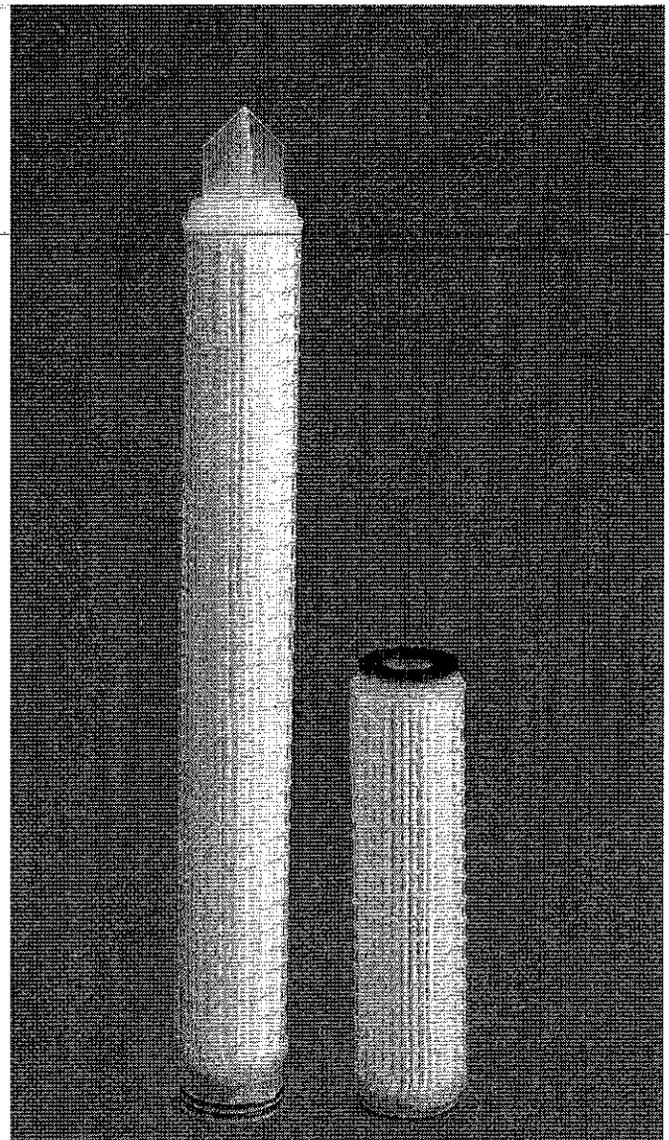
Retention Rating: 0.2, 0.5, 1.0, 2.5, 5.0, 10, 15, 20, 40, 70

PACKAGING ECONOMY

Bulk packaging in case quantities to reduce material disposal:

10 inch	24 per carton
20 inch	12 per carton
30 inch	12 per carton
40 inch	9 per carton

This is to be used as a general reference only. The supplier assumes no responsibility or liability for the accuracy or completeness or results obtained by the use of this information. Users are advised to make their own test to determine the safety and suitability of each product or product combination.



BENEFITS

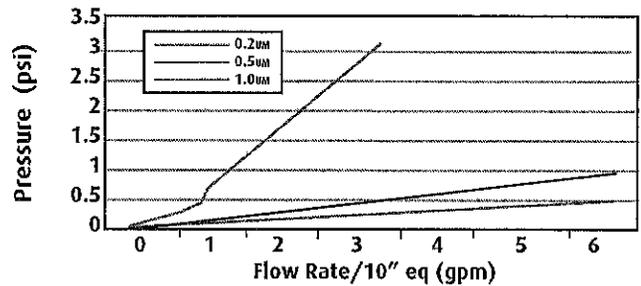
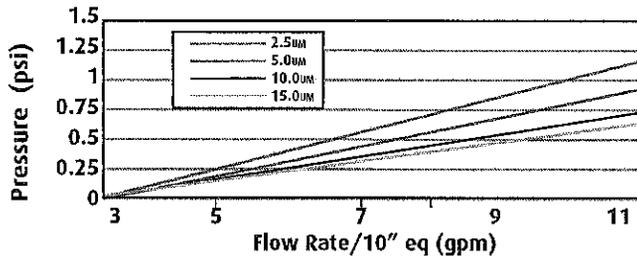
- Absolute-rated media provides reliable, consistent and repeatable filtration
- Low pressure drop yields higher flow rates and reduced processing time
- MAXX-imum pleat design for greater surface area, ensuring longer service life, less downtime and reduced operating costs per cartridge
- 100% Polypropylene, FDA compliant with CFR 21
- Thermally bonded construction, eliminating particle bypass
- CPP elements have over 6 sq. ft. of surface area per 10" equivalent
- CPW elements have 4.5 sq. ft. of surface area per 10" equivalent

Economy Poly-Pleat

Polypropylene Pleated Depth Cartridges

**PLEATED
CARTRIDGES**

PRESSURE DROP VS. FLOW RATE



PRODUCT EFFICIENCY

POLY-PLEAT	BETA 100
CPP/CPW 0.2	0.2μm
CPP/CPW 0.5	0.5μm
CPP/CPW 1.0	1.0μm
CPP/CPW 2.5	2.5μm
CPP/CPW 5.0	5.0μm
CPP/CPW 10	10.μm
CPP/CPW 15	15.μm
CPP/CPW 20	20μm
CPP/CPW 40	40μm
CPP/CPW 70	70μm

PART NUMBERING SYSTEM

CPP
CPW

2.5 - 10

B

S

MICRON RATING

0.2
0.5
1.0
2.5
5.0
10.0
15.0
20.0
40.0
70.0

CARTRIDGE LENGTH

10"
20"
30"
40"

END CAP CONFIGURATIONS

B - DOE flat open ends with caps
 N - SOE recessed cup, internal 213 O-ring
 D - SOE flat closed end, external 222 O-ring
 R - SOE recessed cup, external 222 O-ring
 F - SOE flat closed end, external 226 O-ring
 G - SOE fin end, external 226 O-ring
 C - SOE fin end, external 222 O-ring

GASKET / O-RING MATERIAL

S - Silicone (standard O-rings)
 B - Buna N (standard gaskets)
 V - Viton A
 E - EPDM
 T - Teflon
 TV - Teflon Encapsulated Viton



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 17, 2011

Barbara Hauge, Manager
Four Shadows, LLC
5700 Snake River Ranch Road
Wilson, WY 83014

RE: Parcel J Water and Sewer
DEQ Permit #11-413
Teton County, Latitude 43° 35', Longitude 110° 49'

Dear Ms. Hauge,

This project consists of the construction of approximately 736 linear feet of 8 inch and 6 inch DIP water main and 720 linear feet of 8 inch and 6 inch sewer main to serve 13 townhomes and one 3,000 ft.² nonprofit institutional space, as well as 10 future homes.

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
Brian Lenz, P.E., Jorgensen and Associates, PO Box 9550, Jackson, WY 83002





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

October 13, 2011

Gene and Elaine Daly
Box 323
Glendo, WY 82213

RE: Daly House - Residential Septic System,
Location: NE¼ SE¼, Section 26, T29N, R69W,

Application No. **11-415**
Platte County

Dear Mr. & Mrs. Daly:

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 126 feet of chamber trench type leachfield divided into two equal length trenches of 63 feet each for a **3 bedroom house** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, the 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. Minimum Leachfield Size Requirement - the percolation rate was slightly miscalculated at 12 minutes per inch(mpi) instead of the correct value of 13.3 mpi. The result of this small correction is that the leachfield needs to be slightly larger than calculated at 23 Biodiffuser brand – model ARC36 chamber units. Therefore, the **minimum leachfield size SHALL be 24 Biodiffuser ARC36 leachfield chamber units** divided into two equal length trenches.
2. Trench Construction Requirements - because the ground surface slope of 3% runs in the same direction as the trenches, this needs to be compensated for. Therefore, the **trench bottoms SHALL be KEPT LEVEL**, and the **trenches SHALL be no deeper than 4½ feet and no shallower than 2½ feet at any location along the length of the trench.**
3. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.

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

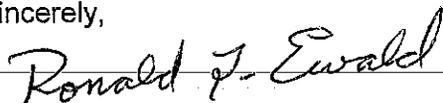
ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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The approval granted under this Notification Of Coverage and the General Permit shall expire on October 13, 2013. Please reference Application Number 11-415 in any future correspondence.

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

Sincerely,



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

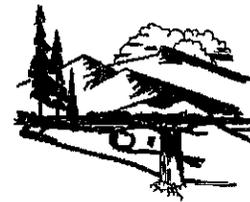
RLE/rm/11-0930

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

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



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 14, 2011

Drew Dunn
3320 Yellowstone Road
Rock Springs, WY 82901

RE: Sweetwater County Events Complex - National High School Rodeo Finals Water and Sewer Main Upgrades - Permit Number 11-416, S 1/2 Section 10, T19N, R105W, Sweetwater County

Dear Mr. Dunn:

The above application for coverage under General Permits to Construct the extension of a public water supply distribution system consisting of about 4200 linear feet of 8-inch PVC water main and about 750 linear feet of 8-inch PVC sewer main to serve 564 camp/RV sites in accordance with Chapter 3, Section 7, Chapter 12, Section 14 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permits. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

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

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

Sincerely,

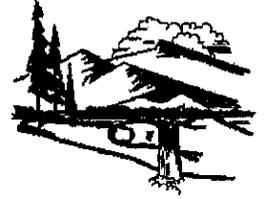
Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

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





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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 17, 2011

Michael G. Pexton
Bear River Resources, Inc.
P.O. Box 384
Evanston, WY 82930

RE: Bear River Resources, Inc. - Red Willow Road - Water Main Extension - Permit Number 11-417, NW ¼ Section 30, T16N, R120W, Uinta County

Dear Mr. Pexton:

The above application for coverage under General Permit to Construct the extension of a public water supply distribution system consisting of about 705 linear feet of 8-inch PVC water main to serve five lots in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

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

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

Sincerely,

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

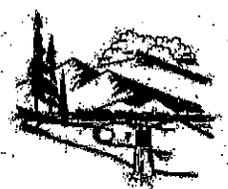
PDF to Cheyenne
xc: Gareth Powell, P.E., Uinta Engineering & Surveying, Inc., 808 Main St., Evanston, WY 82930





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Matthew H. Mead, Governor

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

John Corra, Director

November 3, 2011

William Harris, P.E.
GDA Engineers
P.O. Box 338
Cody, WY 82414

RE: Return of Application for the Conventional Septic System Design for the Ucross Ranch,
Sheridan County; Permit Number 11-418

Dear Mr. Harris:

The Wyoming Department of Environmental Quality/Water Quality Division (DEQ) received an application for a Permit to Construct for the UCROSS Ranch on October 5, 2011. The Department issued the Permit to Construct, DEQ #11-418 on October 18, 2011. On October 28, 2011, the department received a submittal for the same project, with a significantly different design. *Therefore, in accordance with Wyoming Department of Environmental Quality/Water Quality Rules and Regulations Chapter 3, Section 12 – Duration and Termination of Permits; Transfer of Permits,* we are notifying you that the previous permit has been terminated. In order to begin processing the new design, please complete a new Wyoming Water Quality Application Form (attached). We will begin the review process as soon as we have received this form. Once the review and approval is completed, a new DEQ Permit number will be issued.

If you have any questions, please contact me at (307) 473-3469 or jason.vreeland@wyo.gov

Sincerely,

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

cc: IPS
WDEQ File
Sheridan County





Department of Environmental Quality

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Matthew H. Mead, Governor

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John Gorra, Director

NOTIFICATION OF COVERAGE

October 18, 2011

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

RE: Conventional Septic System Design for the Ranch at Ucross; Sheridan County
Location: NW ¼, Section 13, Township 53N, Range 81W
Permit # 11-418

Dear Mr. Blair:

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

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

Please contact the Sheridan County Public Works Department at 307-674-2920 for compliance with any further county regulations and construction inspection. If you any questions, please contact me at (307) 473-3469.

Sincerely,

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

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT
PWS # 5601399

PERMIT NO. 11-420

REFERENCE PERMITS NO. 93-198, 10-410

Cook Road Water District Well No. 2 Pipeline and Well Completion

This permit hereby authorizes the applicant:

Mike Fuller, District Board Chair
Cook Road Water District
P.O. Box 2682
Gillette, WY 82717

to construct, install, and/or modify the Cook Road Well No. 2 Pipeline and Well Completion, including completing Cook Road Water District Number 2 Well, installing a new raw water transmission line from the well to the existing pump house and modifications to the pump house and chlorination system, according to the procedures and conditions of the application number 11-420. The facility is located in the SW ¼, Section 28, Township 50 North, Range 73 West, Campbell County, Latitude 44-16-48, and Longitude 105-38-39. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2013.

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

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

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

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

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

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

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

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

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

1 of 3

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

2 of 3

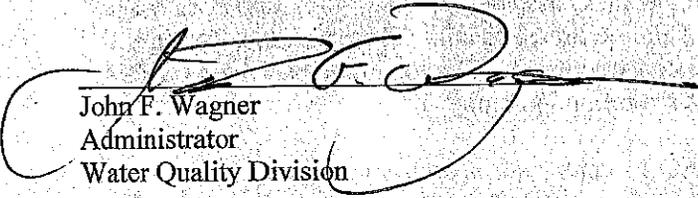
Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate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

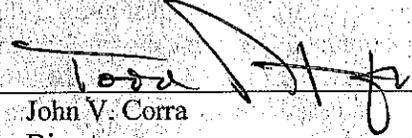
- a. Date that construction of the facility was completed; and
- b. Date that the facility was placed in operation; and
- c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
- d. Certification the facility was completed with changes or modifications.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

3 of 3

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

12-13-11
Date of Issuance

KLF/rm/11-1055

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

STATEMENT OF BASIS

1. Permit Number: **11-420**
2. ~~Application reviewed for compliance with the following applicable regulations :~~
Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?
YES
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.
N/A
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

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



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 18, 2011

Charles Luthy
Charles Luthy - Builders, Inc.
120 East Elk Street
Kemmerer, WY 83101

RE: Draper Small Wastewater System - Permit Number 11-422, SW ¼ SE ¼, Section 22, T21N, R116W, Lot 43-L-3 Rolling Hills Addition #1 in Kemmerer, Lincoln County

Dear Mr. Luthy:

The above application for coverage under General Permit to Construct for a small wastewater treatment systems consisting of a 1000 gallon septic tank and a 51 chamber leach field to serve a three bedroom single family home in accordance with Chapter 3, Section 7 and Chapter 11, Part D 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

xc: IPS, Cheyenne
Terry Vetos, City of Kemmerer, Building Inspector, 220 Wyoming HWY 233, Kemmerer, WY 83101
Thomas P. Easley, P.E., 43837 U.S. HWY 189, Kemmerer, WY 83101





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Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

November 3, 2011

Thomas and Tamara Preston
606 N Plains Drive
Gillette, WY 82716

RE: Preston Small Commercial and Residential Wastewater System, Campbell County
Modification of Existing System – Previous Permit #11-176
Location: SE ¼, Section 9, T50N, Range 72W; ~~Permit # 11-423~~

Dear Mr. and Mrs. Preston:

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 307-473-3478.

Sincerely,

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

cc: IPS, Cheyenne
WYDEQ Casper File
John Boniface, Campbell County Public Works, 500 S Gillette Avenue, Suite 1400, Gillette, WY 82716
Keith Bowar, Campbell County Public Works

Cheyenne
122 West 25th Street 82002
(307) 777-7937

Lander
510 Meadowview Drive 82520
(307) 332-3144

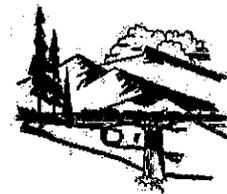
Sheridan
2100 W. 5th Street 82801
(307) 673-9337





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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

October 19, 2011

Russell des Cognets II
Encana Oil & Gas (USA) Inc.
370 17th Str., Suite 1700
Denver, CO 80202

RE: Encana O&G Water Treatment Pilot Test, Wind River Basin Facility, WY
Permit to Construct #11-424

Dear Mr. des Cognets:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Pilot Project in accordance with Section 5, Chapter 11, of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. **This permit expires 60 days from the date of issuance.**

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

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

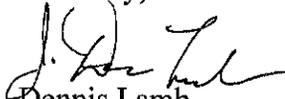


done to correct them, or a notification that the plant has not been operating, will be submitted within 30 days after end of treatment.

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

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

Sincerely,


Dennis Lamb
DEQ/WQD

Enclosures: Application for Permit to Construct
Certificate of Completion

cc: WDEQ File
IPS Cheyenne
Michelle L. D. Sells PE, TriHydro Co., 1252 Commerce Dr/ Laramie WY 82070
Andrea C. Taylor, Encana O&G, PO Box 1177, 462 South Federal Blvd./Riverton, WY 82501

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT
PWS #5600202

PERMIT NO. 11-425

REFERENCE PERMITS NO. N/A

Town of Dayton, Wyoming – Addition of an Ultraviolet Disinfection System

This permit hereby authorizes the applicant:

Robert L. Wood, Mayor
Town of Dayton
P.O. Box 100
Dayton, WY 82636

to construct, install or modify the Town of Dayton, Wyoming - Ultraviolet Disinfection System, according to the procedures and conditions of the application number 11-425. The facility is located in the SW $\frac{1}{4}$ SW $\frac{1}{4}$, of Section 1, Township 56 North, Range 87 West, Sheridan County, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2013.

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

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

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

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

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

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

1 of 4

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

2 of 4

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

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

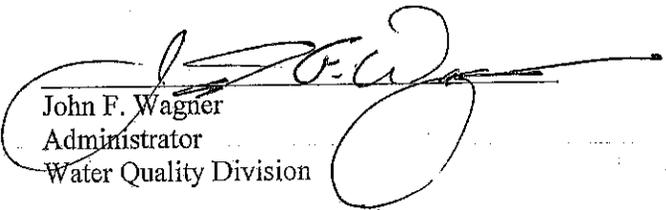
3 of 4

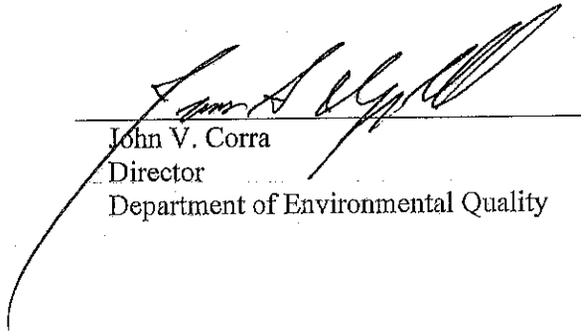
Within thirty days of completion of construction of the authorized facility, the Engineer of Record will submit two (2) complete copies of the Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY 82601.

4 of 4

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

2-7-12
Date of Issuance

KLF/rm/12-0070

cc: William A. Mentock, P.E., ECS, 1658 S. Sheridan Avenue, Sheridan, WY 82801

STATEMENT OF BASIS

1. Permit Number: **11-425**
2. Application reviewed for compliance with the following applicable regulations:

Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?

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

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

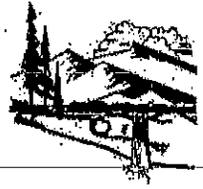
CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley, P.E., and completed on January 31, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality

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Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

October 20, 2011

Richard L. Frankovic
Fresca, LLC
P.O. Box 83
Buffalo, WY 82834

RE: Repair and Upgrade Existing Water System Improvements, Topaz Addition,
Natrona County; WDEQ #11-428

Dear Mr. Frankovic:

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: Emerson Scott, ECS, 1658 S. Sheridan Avenue, Sheridan, WY 82801
WDEQ File, IPS



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

November 21, 2011

Greg and Lanay Meyer
355 Antelope Gap Road
Wheatland, WY 82201

RE: The Pie Tin Greywater System,
Location: NE¼ NE¼, Section 16, T24N, R67W,

Application No. **11-429**
Platte County

Dear Mr. and Mrs. Meyer:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 500 gallon greywater holding tank and a composting diversion area for winter for a **bakery and catering only kitchen building – No Toilets** 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:

Greywater Holding Tank Requirement - the greywater holding tank **shall be a minimum of 500 gallons** to allow for up to 10 to 15 days of storage before a landscaping application is necessary.

The approval granted under this Notification Of Coverage and the General Permit shall expire on November 21, 2013. Please reference Application Number **11-429** in any future correspondence.

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

Sincerely,

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

RLE/rm/11-1010

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

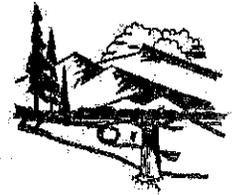
cc: IPS, Cheyenne
Platte County Planning Office, Dennis Becker, PO. Box 728, Wheatland, WY 82201





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

November 4, 2011

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

RE: Tisdale Creek Ranch Septic System, Campbell County, WY
WDEQ Application #11-436

Dear Mr. Carson:

We have completed our review of the permit application submitted on October 19, 2011. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

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

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

Attachments: WDEQ Comments

cc: Jeff Gray, Tisdale Creek Ranch, Inc., 10277 South Highway 59, Gillette, WY 82718
IPS
WDEQ File



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

PROJECT: Tisdale Creek Ranch Septic System, Campbell County, WY

LOCATION: Campbell County, Wyoming

ENGINEER: Stetson Engineering, Inc.

APPLICANT: Jeff Gray, Tisdale Creek Ranch, Inc.

WATER QUALITY DIVISION APPLICATION NUMBER: ~~11-436~~ 11-430

DATE ON PROPOSAL/PLANS/REPORT: October 19, 2011

DATE RECEIVED BY DEQ: October 19, 2011

DATE OF THIS REVIEW: November 4, 2011

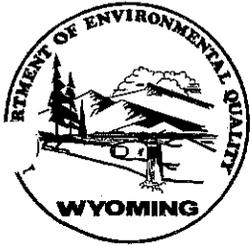
WDEQ REVIEWER: Jason Vreeland, P.E., Karen Farley, P.E.

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

WDEQ COMMENTS

- 1) The centerline of the graded ditch appears to be approximately five feet from the proposed leachfield. WDEQ/WQD Rules and regulations Chapter 35, Table 2, states that absorption fields are to be a minimum of 50 feet from stream or surface body of water including intermittent and seasonal. Please relocate the graded ditch or the proposed leachfield location.
- 2) Please indicate on the site plan the location of all cleanouts, driving areas, and parking areas.

- 3) Please describe the project; what type of business is planned and if there will there be showers and/or floor drains (SEO permit database shows that the proposed use for the well includes six RV spots, fire protection, office use, and truck washing).
- 4) Please explain the variable percolation test results or perform the percolation tests again. Percolation results vary from 13.33 to 80 mpi.
- 5) Please provide proposed site contours and invert elevations for the sewer service line at the building, septic tank, and leachfield.



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-431

Odekoven Gas Plant

This permit hereby authorizes the applicant:

Anadarko Petroleum Corporation
P.O. Box 1330
Houston, TX 77251

to install monitoring wells, test wells and soil borings according to the procedures and conditions of the application number 11-431. The facilities are located in the NW ¼ Section 30, Township 55 North, Range 73 West in the county of Campbell, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by January 1, 2014.

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

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

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

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

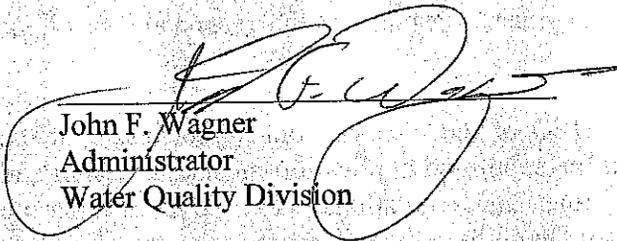
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

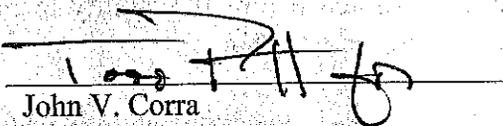
The permittee shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that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

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

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

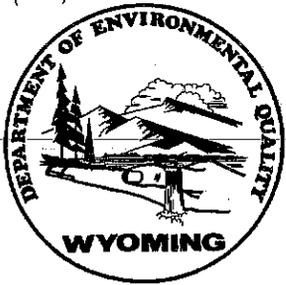
AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

10-26-11
Date of Issuance

WDF/rm/11-0957



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

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

SITE NAME: Oedekoven Gas Plant
SITE STATUS: Remediation
APPLICANT: Anadarko Petroleum Corporation
Attn: Mr. Jeff Bordelon
P.O. Box 1330
Houston, TX 77251-1330

CONSULTANT: Rubik Environmental, Inc.
Attn: Todd Leonard
527 Lander Street, Suite 204
Reno, NV 89509
(775) 622-0857

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 11-431

EXISTING NEW AS BUILT

TITLE: Work Plan: Oedkoven Gas Plant, Recluse, WY

PLANS SPECS PROPOSAL

DATE ON PROPOSAL/PLANS/REPORT: 10/19/11

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

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

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

DATE OF THIS REVIEW: 10/24/2011

ACTION: Permit to Construct #11-431 authorized for additional soil borings, test wells and monitoring wells

COMMENTS: GROUNDWATER SECTION

1.0 SITE DESCRIPTION & HISTORY:

1.1 Site Description

The Oedekoven Gas Plant is located north of Spotted Horse, Wyoming in northern Campbell County (NW ¼, Section 30, Township 55N, Range 73W) at 105.682076° West Longitude and 44.712672° North Latitude. The 17-acre facility is a former compressor station removed from service during 2003. From 1968 to 1984 the western half of the site was utilized as a lean oil plant with eight compressors, a hot oil heater, glycol heater and a tank farm located at the facility.

1.2 Site History

During the early 1990's an estimated 200,000 to 300,000 gallons of condensate was reportedly released from a leak(s) in a 20-inch transmission pipeline near the northeast portion of the site. A total of 26 monitor wells have been installed at the site: 8 are on the former plant site and 18 are located downgradient (east) of the plant. Groundwater and condensate levels have been monitored since 1991, and groundwater has been sampled and analyzed since 1994. A soil vapor extraction system on the eastern portion of the site was installed in July 1997.

1.3 Hydrogeology.

The lithology at the site in the soils and vadose zone consists of permeable fine grain sands of the Fort Union Formation. Depth to groundwater varies at the site, ranging from 16 to 20 feet on the west side of the release area and a depth to groundwater of 55 to 57 feet on the east side of the release area. The groundwater flow direction is towards the east/northeast.

2.0 SUMMARY OF WORK COMPLETED TO DATE:

2.1 Summary of Investigative & Remedial Activities

- 1992: Initial subsurface investigation;
- 1993: As-Built "Permit to Construct" number 93-161 was issued for the construction of monitor wells at the facility;
- Initiation of a groundwater monitoring and sampling program;
- 1995: Issuance of Permit to Construct number 95-358; Additional subsurface investigation, including the installation of monitor wells was completed after. After several rounds of sampling and analyses, it was concluded that active remedial measures were necessary at the facility;
- 1995-1998: Quarterly groundwater monitoring & sampling;
- 1997: A Permit to Construct number 96-495 was issued for a soil vapor extraction system on January 31, 1997;
- Installation of an SVE system on the eastern portion of the site during July 1997;

- 1998-2009: With the exception of the period between October 2006 and September 2007, the SVE has been effective in removing free phase condensate from the groundwater on the western side of the site. Free product has been completely removed from the other six wells originally connected to the system;
- 1999-2009: Semi-annual groundwater monitoring & sampling.

2.2 Summary of 2009 Activities

- Continued operation and maintenance of Soil Vapor Extraction (SVE) system;
- Gauged wells MW-1 through MW-27 for free product and depth to water (excluding MW-5 and MW-22);
- Collected groundwater samples from wells MW-1, MW-2, MW-6, MW-10, MW-11, MW-12, MW-14, MW-14, MW-18, MW-19, MW-20, MW-21, MW-25 and MW-26 for analysis of Total Petroleum Hydrocarbons (TPH) as Gasoline Range Organics (GRO);
- Pumped accumulated water out of the SVE system sump;
- Repaired subsurface SVE system piping and equipment;
- Excavated stained soil beneath the SVE sump;
- Preparation of first and second half 2009 Semi-Annual Monitoring and Sampling Reports.

2.3 Summary of 2010-2011 Activities

- Measure depth to groundwater and free product in MW-1 through MW-27, excluding MW-5 and MW-22.
- Collect groundwater samples from wells MW-1, MW-2, MW-6, MW-10, MW-11, MW-12, MW-13, MW-14, MW-18, MW-19, MW-20, MW-21, MW-25 and MW-26 for analysis of TPH-g by EPA Method 8015B and BTEX by EPA Method 8260B.
- Conducted maintenance on soil vapor extraction (SVE) remediation system
- Removed water from the SVE condensate collection sump and damaged multi-level float switch
- Dispose of water previously pumped from SVE system sump and MW-2
- Removed and disposed of 260 cubic yards of soil previously excavated from beneath the SVE pump
- Abandoned monitoring wells MW-7, and MW-8 and MW-9
- Prepared semi-annual monitoring and sampling event reports

3.0 SUMMARY OF 2010 MEASUREMENTS AND ANALYTICAL RESULTS:

3.1 Groundwater Levels & Direction of Flow

During the first half of 2010, groundwater levels across the site increased an overall average of only 0.02 ft. This is consistent with results obtained during the second half of 2009, where groundwater levels across the site decreased by an overall average of only 0.07 ft. Based on groundwater level measurements obtained during the August 2010 monitoring event, the groundwater flow direction remains to the east/northeast. The measured groundwater flow direction in 2010 is consistent with historical data.

3.2 Free Product

During the August 2010 monitoring event approximately 0.54 ft of free product was measured in well MW-15. Free product was not measured in any of the other wells during the August 2010. Since 2006, free product levels in MW-15 have fluctuated from a sheen to 1.2 ft. Based on tables and graphs of free product levels measured in monitoring wells at the Oedekoven Plant, free product levels have been reduced considerably over time.

3.3 Concentrations Volatile Organic Compounds (VOC's) In Groundwater

During the first half of 2010, benzene concentrations exceeding the Wyoming Department of Environmental Quality (WDEQ) standard of 5 micrograms per liter (ug/L) were detected in wells MW-1 (4,100 ug/L), MW-2 (360 ug/L), MW-6 (6,600 ug/L), MW-11 (680 ug/L), and MW-12 (2,100 ug/L). Concentrations of benzene detected in these wells during the first half of 2010 increased from concentrations detected during the last half of 2009. TPH concentrations exceeded the WDEQ water quality standard of 7.3 mg/L in wells MW-1 (8.4 mg/L), MW-2 (8.2 mg/L), MW-6 (27 mg/L), MW-11 (19 mg/L), and MW-12 (15 mg/L). There were no other volatile organic compounds (VOC's) above the WDEQ standards. Based on tables and graphs of VOC's detected in groundwater samples collected from wells at the Oedekoven Plant, dissolved phase hydrocarbon concentrations have been reduced considerably since the initial monitoring event.

3.6 Remediation Summary

SVE System

During the first half of 2009, the SVE system was not in operation because of excessive water in the underground sump. During the October 2008 and the April 2009 sampling events the sump was drained, indicating that vapors from the SVE system were not being extracted when the sump was full. The system was restarted in July 2009 and petroleum hydrocarbon vapors have been continuously extracted from wells MW-11, MW-12, MW-14, MW-15 and MW-20. With the exception of minor interruptions for maintenance and power outages, the SVE system operated continuously from July 2009 through the November 2009 sampling events. During November 2009, portions of the SVE piping leading from the wells to the remediation system were replaced to eliminate potential infiltration of shallow water resulting from precipitation events and snow melt. Following completion of the maintenance activities, the SVE system was restarted.

Based on hydrocarbon concentrations detected in the air samples collected from the SVE system downstream of the blower, an estimated 183,985 gallons of volatile hydrocarbons were removed by the system from July 1998 to November 2009. Since there are no longer measureable levels of free product in any of the wells, the amount of petroleum hydrocarbons removed from the wells decreased from 25,400 gallons in 2008 to 1,800 gallons in 2009.

Soil Excavation

Approximately 260 yards of contaminated soil were excavated from beneath the SVE sump to a maximum depth of approximately 12 ft below ground surface (bgs). The contaminated soils were temporarily stockpiled on polyethylene pit liner material inside the former compressor building. The

contaminated soil material was also covered with plastic sheeting. Laboratory analysis of two composite samples collected from the contaminated soil indicates that 41 milligrams per kilogram (mg/kg) TPH-GRO and 502 mg/kg TPH-DRO were detected in the soil samples. Based on these results, concentrations of TPH-GRO detected in the soil material exceed the WDEQ standard of 28 mg/kg TPH-GRO. Concentrations of TPH-DRO detected in the soil samples are below the WDEQ standard of 2,300 mg/kg. The contaminated soils will be disposed of in the first half of 2010 at a WDEQ permitted land farm or the Campbell County Landfill pending acceptance of the analytical results by the receiving facility.

3.7 Review of Proposed Workplan

The proposed investigation will be conducted to further delineate the extent of soil and groundwater contamination, especially in areas of old tanks or structures. Twenty four soil borings will be conducted using Geoprobe direct push technology in areas of known contamination. Sampling will occur at 2 foot intervals until groundwater is reached. The soil and groundwater samples will be analyzed for TPH (DRO & GRO), BETX compounds, and naphthalene. Soil samples from the capillary fringe will be analyzed for physical properties including bulk density, porosity and fraction/total organic carbon.

Monitoring well MW-5, which was damaged during recent construction activities, will be replaced as part of the work under this permit. Please submit the plugging and abandonment report for MW-5 along with the Report of Investigation (ROI). The replacement monitoring well shall stay on the same sampling and reporting schedule as the original MW-5.

The ROI shall be submitted within 90 days after completion of all work conducted under this permit.

As discussed, future work (2012) will include additional soil excavations and a more aggressive approach to groundwater remediation at the facility.

4.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

The following activities shall continue to be performed at the Oedekoven Gas Plant:

- Semi-annual sampling and groundwater level monitoring in gauged wells MW-1 through MW-27 for free product and depth to water (excluding MW-5 and MW-22);
- Collect groundwater samples from wells MW-1, MW-2, MW-6, MW-10, MW-11, MW-12, MW-14, MW-14, MW-18, MW-19, MW-20, MW-21, MW-25 and MW-26 for analysis of TPH-GRO;
- Semi-annual SVE system monitoring including measuring vacuum pressures to detect any leakage and balance the system. Operating parameters shall be noted for the SVE system and maintenance shall be performed as required;
- Preparation of Semi-Annual Monitoring and Sampling Reports.

END OF REVIEW
WDF/rm/11-0957



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 3, 2011

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

RE: O'Donnell-Olivia Meadows Waterline Extension-Line 648. DEQ Permit #11-432, Park County, Latitude 44.71277°, Longitude 108.73646°

Dear Ms. Overfield,

This project consists of the installation of approximately 1350 linear feet of 2 inch C900 PVC DR 18 - Class 235 or ASTM D3035 - PE 3408 - DR 9 - Class 200 to serve four rural lots.

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
Cody A. Schatz, P.E., Engineering Associates, P.O. Box 1900, Cody, WY 82414





Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

December 6, 2011

Brush Creek, LLC
Attn: Lawrence E. Burnell, Assistant Manager
66 Brush Creek ranch Road
Saratoga, Wyoming 82331

RE: Shooting Range Bath House Septic System,
Location: NW¼ NE¼ Section 14, T16N, R82W,

Application No. **11-433**
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 a 1000 gallon, two compartment concrete septic tank and about 50 feet of chamber type leachfield consisting of a single trench of 50 feet long for a **shooting range bathhouse & a two person overnight yurt** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific conditions also apply:

1. Minimum Leachfield Size - because of a miscalculation of the design flow, the **minimum leachfield size shall be 12 "Infiltrator" brand Quick4 High Capacity model chamber units**, or about 48 feet long.
2. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.

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

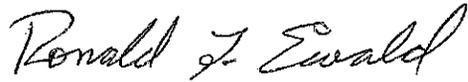
ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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The approval granted under this Notification Of Coverage and the General Permit shall expire on December 6, 2013. Please reference Application Number 11-433 in any future correspondence.

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

Sincerely,



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

RLE/rm/11-1038

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

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



Department of Environmental Quality



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

Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 1, 2011

Jerry Johnson
Valley Automotive
7854 Hwy 789
Lander, WY 82520

RE: Valley Automotive Holding Tank and Gravel Drain Bed, Permit Number: 11-434, Fremont County, 42.823 Latitude, -108.685 Longitude

Dear Mr. Johnson:

This project involves the installation of a 1000-gallon holding tank for a private restroom and a gravel drain bed for an auto sump that will collect melt water and minimal chemicals. The soil is clayey, there are no nearby potable wells, and groundwater was not encountered in the exploration pit. The above application for coverage under General Permit to construct a gravity flow septic tank and leachfield has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Part D 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 me at 307-335-6961.

Sincerely,

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

xc: IPS, Cheyenne
Fremont County Planning, Room 360 Courthouse, 450 N. 2nd, Lander, WY 82520



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-435

REFERENCE PERMITS: 05-220, 11-436

Rock Springs Wastewater Treatment Plant Modifications Phase 1

This permit hereby authorizes the applicant:

Carl Demshar, Mayor
City of Rock Springs
212 D St.
Rock Springs, WY 82901

to modify the main pump station controls, aeration basin equipment, centrifuge solids dewatering, and all related work; and add an aerobic digestion system to the existing processes according to the procedures and conditions of the application number 11-435. Due to the design-build strategy for completing this project, it is understood that certain aspects of this modification may change after this permit is issued. DEQ shall be provided with documentation of changes prior to installation. This project is located at latitude 41.67°, longitude 109.2748° in the county of Sweetwater in the state of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by November 1, 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 This Permit to Construct has been issued prior to receiving 100% complete design. Based upon design discussions with the engineer, DEQ is confident that the engineer is capable of providing a suitable design which will meet the criteria set forth in the Chapter 11 water quality rules and regulations. The applicant shall provide DEQ with completed, stamped design drawings and relevant documentation (in triplicate with one original) as they become available, and DEQ approval of said documents will be required prior to construction of any phase of this project. A new permit application will not be required; however, all new documentation submitted shall reference this permit number (11-435). DEQ reserves the right to revoke this permit at DEQs discretion in the event that construction begins without prior approval. Approval shall be provided to the applicant in writing.

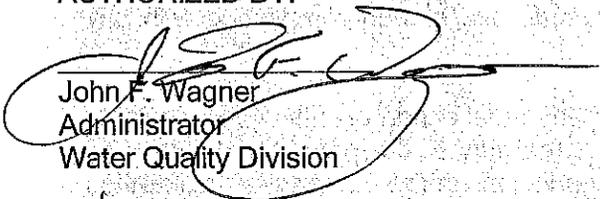
Completed designs for phases of the project shall be submitted to to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadowview Dr., Lander, WY 82520, 307-332-3144, FAX 307-332-3183.

2 of 3 Within sixty days of final completion of all phases 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.

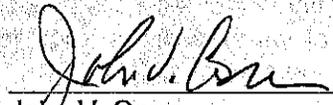
- a. Date that construction of the facility was completed; and
- b. Date that the facility was placed in operation; and
- c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
- d. Certification the facility was completed with changes or modifications. 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

11-14-11
Date of Issuance


John V. Corra
Director
Department of Environmental Quality

HES/rm/11-0994

STATEMENT OF BASIS

1. Permit Number: 11-435
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. The design for this facility is not 100% complete at the time of the issuing of this permit to construct. The engineer has provided us with sufficient evidence that a proper design will be complete and in compliance with chapters 3 and 11 prior to construction. This permit is issued as part of the design-build process, which is a cooperative effort between the applicant, the applicant's contracted engineer, and DEQ. Utilizing this design method will allow the city of Rock Springs to complete its odor control modifications on a rapid schedule so that the treatment can be brought into full compliance with all sections of DEQs regulations. As described in the permit to construct above, DEQ has oversight, and shall review all completed design phases prior to construction.
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 except as noted above. This review was performed by Hannes E. Stueckler P.E., hannes.stueckler@wyo.gov, Assistant Northwest District Engineer and completed on November 3, 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: David A. Ogden, P.E., CDM, Inc., 257 E. 200 S. Suite 825, Salt Lake City, UT 84111

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 11-436

Rock Springs Wastewater Treatment Plant Modifications Phase 1 - Headworks

This permit hereby authorizes the applicant:

Carl Demshar, Mayor
City of Rock Springs
212 D St.
Rock Springs, WY 82901

to modify the head works by replacing the existing screen with a new fine screen and adding a washer compactor to treat the screenings, according to the procedures and conditions of the application number 11-436. Due to the design-build strategy for completing this project, it is understood that the certain aspects of this modification may change after this permit is issued. DEQ shall be provided with documentation of changes prior to installation. This project is located at latitude 41.67°, longitude 109.2748° in the county of Sweetwater in the state of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by November 1, 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 This Permit to Construct has been issued prior to receiving 100% complete design. Based upon design discussions with the engineer, DEQ is confident that the engineer is capable of providing a suitable design which will meet the criteria set forth in the Chapter 11 water quality rules and regulations. The applicant shall provide DEQ with completed, stamped design drawings and relevant documentation (in triplicate with one original) as they become available, and DEQ approval of said documents will be required prior to construction of any phase of this project. A new permit application will not be required; however, all new documentation submitted shall reference this permit number (11-436). DEQ reserves the right to revoke this permit at DEQs discretion in the event that construction begins without prior approval. Approval shall be provided to the applicant in writing.

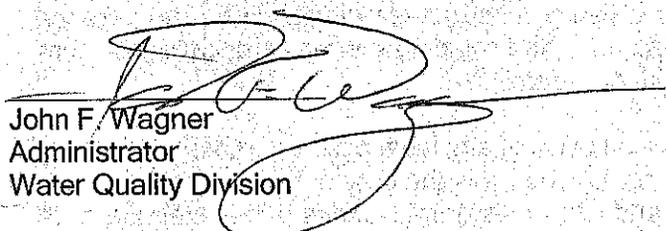
Completed designs for phases of the project shall be submitted to to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadowview Dr., Lander, WY 82520, 307-332-3144, FAX 307-332-3183.

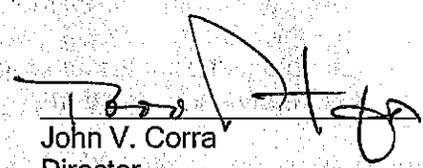
2 of 3 Within sixty days of final completion of all phases of construction of the authorized facility, the applicant will submit to the Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.

- 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

11-8-11
Date of Issuance

HES/rm/11-0982

STATEMENT OF BASIS

1. Permit Number: 11-436
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. The design for this facility is not 100% complete at the time of the issuing of this permit to construct. The engineer has provided us with sufficient evidence that a proper design will be complete and in compliance with chapters 3 and 11 prior to construction. This permit is issued as part of the design-build process, which is a cooperative effort between the applicant, the applicant's contracted engineer, and DEQ. Utilizing this design method will allow the city of Rock Springs to complete its odor control modifications on a rapid schedule so that the treatment can be brought into full compliance with all sections of DEQs regulations. As described in the permit to construct above, DEQ has oversight, and shall review all completed design phases prior to construction.
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 except as noted above. This review was performed by Hannes E. Stueckler P.E., hannes.stueckler@wyo.gov, Assistant Northwest District Engineer and completed on November 3, 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: David A. Ogden, P.E., CDM, Inc., 257 E. 200 S. Suite 825, Salt Lake City, UT 84111



Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

December 8, 2011

Richard Corson
Box 102
Baggs, WY 82321

RE: Petes Meadow - Shop Septic System,
Location: Section 9, T12N, R91W,

Application No. **11-437**
Carbon County

Dear Mr. Corson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 300 gallon, one compartment polyethylene septic tank and about 84 feet of chamber type leachfield in a single trench for an **isolated, hauled water supplied, shop septic system** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific conditions also apply:

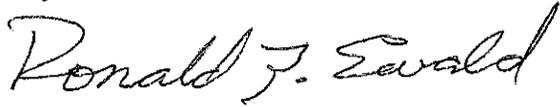
1. Minimum Leachfield Size - there was a discrepancy between the calculated trench length and the trench length specified on the detail sheet, i.e. - 2 chamber units long vs. 10 units long. The 10 unit long trench is the correct length for the design flow and percolation rates indicated. Therefore, the **single leachfield trench shall have a minimum length of 10 "Infiltrator" brand EQ36 model chamber units (minimum 84 feet long).**
2. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.
3. Polyethylene Septic Tank Installation Requirements - To ensure structural integrity, the **manufacturer's instructions** regarding bedding the tank and filling the tank with water during burial **must be followed during installation**. Additionally, immediately after clean-outs, the tank must be refilled with water according to the manufacturer's instructions to maintain structural integrity.



The approval granted under this Notification Of Coverage and the General Permit shall expire on December 8, 2013. Please reference Application Number 11-437 in any future correspondence.

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

Sincerely,



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

RLE/rm/11-1046

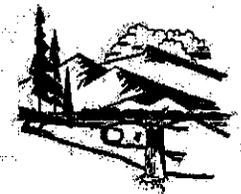
Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West
Buffalo Street, Suite 336, Rawlins, Wyoming 82301



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Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

December 13, 2011

Phil Hinds
Town of Evansville
235 Curtis Street
Evansville, WY 82636

RE: Town of Evansville Grinder Installation Project, Evansville, WY
Permit # 11-440

Dear Mr. Hinds:

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 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

This permit is valid until December 31, 2012.

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

Sincerely,

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

Enclosures: Certificate of Completion

cc: IPS, Cheyenne
WDEQ Casper File
Bradley Holwegner, P.E., WLC, 200 Pronghorn, Casper, WY 82601



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

PROJECT: Mary Rose Freeman – New Septic System

LOCATION: 2¼, Section Unknown, T34N, R62W, Niobrara County

INSTALLER: Miller Construction
PO 467
Douglas, WY 82633
Ph: (307) 359-0661

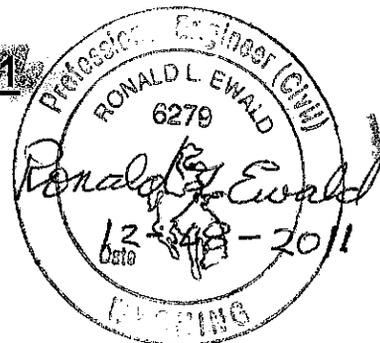
APPLICANT: UNKNOWN

WATER QUALITY DIVISION REFERENCE #:

11-441

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

DATE OF REVIEW: December 8, 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. Application Not Complete - the application package as submitted is incomplete and missing information such as:
 - Real Estate owner's name, address, phone number, and original Signature,

- the location of the septic system is not specified. The septic system can't be in 6 different sections all at the same time. What exact ¼ section, section, T, R, is the septic system to be built in?
- Only two percolation test holes were measured, and a minimum of three is required.
- the bottom of the leachfield test pit excavation was not at least 4 feet below the proposed bottom of the leach trenches. Since the leach trenches are proposed to be 3 feet deep, the excavation would have to be at least 7 feet deep. A new excavation will have to be made and all of the questions on page 10 need to be re-answered.
- what is the depth of backfill over the septic tank? Can't read it.

Site Plan Not Detailed Enough and Not complete enough - how far to property lines (gets back to what section, ¼ section), any streams nearby – such as Hacreek? Etc.

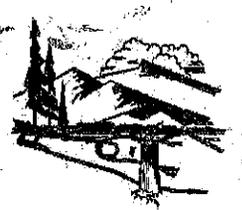
RLE/rm/11-1047

Enclosures: Blank application package to work from
Copy of what was submitted



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Matthew H. Mead, Governor

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

John Corra, Director

December 27, 2011

Russell des Cognets II
Encana Oil & Gas (USA) Inc.
370 17th Str., Suite 1700
Denver, CO 80202

RE: 30 Day Extension, Encana O&G Frenchie Draw CDM Water Treatment Pilot Test, Wind
River Basin Facility, WY Permit #11-442

Dear Mr. des Cognets:

The WDEQ/CBM Group received a request for a 30 day extension for the above referenced pilot
project. The request is granted. **WQD permit #11-442 will expire February 7, 2012.**

If you have any questions, please contact Dennis Lamb or Kim Medina at 152 North Durbin,
Casper, WY, 82601, (307) 473-3465. Thank you.

Sincerely,

Dennis Lamb
DEQ/WQD

cc: WDEQ File
IPS Cheyenne
Brian Antonioli CDM 50 West 14th Street/Helena, MT 59601
Andrea C. Taylor, Encana O&G, PO Box 1177, 462 South Federal Blvd./Riverton, WY 82501





Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 1, 2011

Colleen Eifealdt
Town of Wamsutter
P.O. Box 6
Wamsutter, WY 82336

RE: Town of Wamsutter - 2011 West Wamsutter Sewer Extension - Permit Number 11-443, SW 1/4 and NW 1/4 Section 34, T20N, R94W, Sweetwater County

Dear Ms. Eifealdt:

The above application for coverage under General Permits to Construct the extension of a sewage collection system consisting of about 4,180 linear feet of 8-inch PVC sewer main 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 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
Jon Anderson, P.E., PMPC, P.O. Box 370, Saratoga, WY 82331





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

December 9, 2011

Phil Schnable
2701 Westland Court, #B
Cheyenne, WY 82001

RE: Phil & Lori Schnable Residential Septic System,
Location: NE 1/4 Section 34, T25N, R83W,

Application No. **11-444**
Carbon County

Dear Mr. & Mrs. Schnable:

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 and about 160 feet of chamber type leachfield divided into three equal length trenches of about 53 feet each for a **3 bedroom house** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific condition also applies:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on December 9, 2013. Please reference Application Number **11-444** in any future correspondence.

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

Sincerely,

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

RLE/rm/11-1054

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West
Buffalo Street, Suite 336, Rawlins, Wyoming 82301





Department of Environmental Quality

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Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

January 20, 2012

Doug Mills
Bearlodge Forest Products, Inc.
P.O. Box 248
Hulett, WY 82720

RE: Bearlodge Forest Products Small Wastewater System, Crook County
Location: SE ¼ SE ¼, Section 12, T54N, Range 65W; Permit # 11-445

Dear Mr. Mills:

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 307-473-3478

Sincerely,

Karen L. Farley, P.E.
WDEQ/WQD

cc: Ken Rathbun, P.E., Bearlodge Limited, Inc., P.O. Box 130, Sundance, WY 82729
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
IPS, Cheyenne
WYDEQ Casper File





Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

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

John Corra, Director

November 10, 2011

Kenneth Rathbun, P.E.
Bearlodge Limited, Inc.
P.O. Box 130
Sundance, WY 82729

RE: Bearlodge Forest Products Wastewater System, Hulett, WY
WDEQ Application #11-445

Dear Mr. Rathbun:

We have completed our review of the permit application submitted on October 24, 2011. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

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

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

Attachments: WDEQ Comments

cc: Doug Mills, Bearlodge Forest Products, P.O. Box 248, Hulett, WY 82720
Tim Lyons, Crook County Growth and Development
IPS
WDEQ File



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

PROJECT: Bearlodge Forest Products Wastewater System, Hulett, WY

LOCATION: Hulett, Wyoming

ENGINEER: Ken Rathbun, P.E., Bearlodge Limited, Inc.

APPLICANT: Doug Mills, Bearlodge Forest Products, Inc.

WATER QUALITY DIVISION APPLICATION NUMBER: 11-445

DATE ON PROPOSAL/PLANS/REPORT: October 24, 2011

DATE RECEIVED BY DEQ: October 24, 2011

DATE OF THIS REVIEW: November 10, 2011

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

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

WDEQ COMMENTS

- 1) Please provide a brief design report describing the project and stamped by a Wyoming licensed professional engineer in accordance with the Wyoming Department of Environmental Quality Rules and Regulations Chapter 11, Section 6.
- 2) Chapter 11, Section 35(c) of the Wyoming Department of Environmental Quality Rules and Regulations states that "absorption systems shall not be located beneath buildings, parking lots, roadways or other similarly compacted areas." Please provide clarification on the current land use of the area of the septic tank and leachfield. Aerial images indicate that the septic tank and leachfield will be placed in the vicinity of a roadway that may have heavy truck traffic.

- 3) Portions of the area appear to be used as a staging or storage area. Please provide the planned use for the leachfield area.
- 4) Please provide the location of any existing septic systems near the project area.
- 5) Please provide the size of the property on the application.
- 6) The photograph provided for the proposed leachfield location doesn't appear to be of the location noted on the site. Please indicate if this is the proper location for the leachfield or if a photograph was not taken.
- 7) A search of the State Engineer's Office web site reveals that the well listed on this application as the water supply is shown as "incomplete", and has been enlarged twice since it was originally drilled. The last enlargement was for the Town of Hulett. Please address.



Department of Environmental Quality

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



Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

January 30, 2012

Troy Massie
Board of Trustees, OALC
P.O. Box 965
Moorcroft, WY 82721

RE: Old Apostolic Lutheran Church Drain Field Design
Location: NW ¼, Section 31, T50N, Range 67W, Crook County
Permit # 11-447

Dear Mr. Massie:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with 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.

Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils. Please contact me with questions at 307-473-3478.

Sincerely,

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

cc: Jeffrey Rosenlund, P.E., 212 Meade Creek Road, Sheridan, WY 82801
Tim Lyons, Crook County Growth and Development
IPS, Cheyenne
WYDEQ Casper File





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

John Corra, Director

December 1, 2011

Jeffrey Rosenlund, P.E.
212 Meade Creek Road
Sheridan, WY 82801

RE: Septic System Design, Old Apostolic Lutheran Church, Moorcroft, WY
WDEQ Application #11-447

Dear Mr. Rosenlund:

We have completed our review of the permit application submitted on October 31, 2011. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

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

Attachments: WDEQ Comments

cc: Troy Massie, Board of Trustee OALC, P.O. Box 965, Moorcroft, WY 82721
IPS
WDEQ File



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

PROJECT: Septic System Design, Old Apostolic Lutheran Church,
Moorcroft, WY

LOCATION: Crook County, Wyoming

ENGINEER: Jeffrey Rosenlund, P.E.

APPLICANT: Troy Massie, Board of Trustee OALC

WATER QUALITY DIVISION APPLICATION NUMBER: 11-447

DATE ON PROPOSAL/PLANS/REPORT: October 20, 2011

DATE RECEIVED BY DEQ: October 31, 2011

DATE OF THIS REVIEW: December 1, 2011

WDEQ REVIEWER: Jason Vreeland, P.E.

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

COMMENTS

- 1) WDEQ Chapter 11, Section 35, Table 2 provides minimum isolation distances from septic tanks and leachfields, particularly, 50 feet between stream or surface bodies of water including seasonal and intermittent. The profile provided on sheet two shows a drainage ditch approximately 12 feet from the septic tanks. Please show the location of the drainage ditch on the plan view and adjust the location of the septic tanks or relocate the drainage ditch to provide the necessary isolation distance.

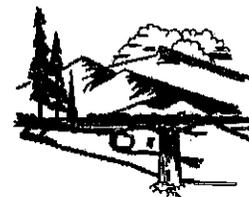
- 2) WDEQ Chapter 11, Section 39(a)(iii)(C) requires the outlet elevation of septic tanks be designed to provide 20 percent of the liquid depth between the top of the liquid and the bottom of the septic tank cover for scum storage. The current design does not appear to meet this requirement. Further, tees or baffle shall extend in the middle third of the water depth to prevent floating or settled solids from carrying over into the disposal field. The current design extends 18 inches into the water depth which does not meet this requirement. Please modify the septic design to provide the appropriate storage volume and adequate extension of the tee.
- 3) WDEQ Chapter 11, Section 39(a)(iii)(A) requires that the outlet pipe is a minimum of three inches lower than the inlet pipe. The current configuration is two inches lower. Please revise the septic tank design to provide at least three inches vertically between pipes.
- 4) WDEQ Chapter 11, Section 40(a)(i) requires that pump tanks for dosing systems to be vented with the vent terminating at least 12 inches above ground with a downward turn. Please revise the dosing system accordingly.
- 5) The percolation tests appear to be conducted at random locations in the northwest corner of the property with only holes 1-5 in the location of the proposed absorption field. Unless six or more tests are completed in the location of the absorption field, the slowest rate must be used. Please conduct additional percolation tests in the location of the absorption field or use the slowest rate of holes 1-5. Please provide the percolation rate for hole 2.
- 6) WDEQ Chapter 11, Section 39(ii)(B) requires septic tanks to have a minimum effective liquid capacity sufficient to provide at least 36 hour retention at peak flow. The current design provides one week retention time based on an average flow rate. Please indicate how the current design will provide 36 hours of detention time or revise design to include 36 hours of detention time based on the peak flow rate.

RECOMMENDATIONS

- 1) Please clarify the pumping sequence and indicate if the pumps will be operating simultaneously or independently. While this system has two pumps, it appears that it was also designed to operate two pumps simultaneously and that each pump is valved to pump half of the designed flow. In the event one pump fails, the dosing system would not be capable of pumping the designed loading.



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

November 4, 2011

Greg Ptasnik
Lakeside Lodge
P.O. Box 1819
Pinedale, WY 82941

RE: Lake Side Lodge - East Septic Leach Field Replacement - Fremont Lake Area,
Permit No. 11-450, SE ¼, Sec 23, T34N, R109W, Sublette County

Dear Mr. Ptasnik:

The above application for coverage under General Permit to Construct the replacement of a leach field with 120 Quik 4 infiltrator chambers to serve a laundry facility, cabins and bathhouse in accordance with Chapter 3, Section 7 and Chapter 11, Part D 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

Mark C. Etinger P.E. Rio Verde Engineering, B.O. Box 642, Pinedale, WY 82941
Tom Peters, District Ranger, Forest Service, P.O. Box 220 Pinedale, WY 82941
Keith Raney, Environmental Health, Sublette County, PO Box 722, Pinedale WY 82941
Mindy Mohr, USEPA Region 8, 80C-EISC, 1595 Wynkoop Str. Denver, CO 80202-1129

