



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 15, 2010

University Corporation for Atmospheric Research
Amy Smith, Sr. Agreements Administrator
1850 Table mesa Drive
Boulder, CO 80305

RE: NCAR Wyoming Supercomputing Center, Water and Sewer lines
Application No. **10-201**, Laramie County

Dear Amy Smith:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installation of approximately 2400 feet of 8 inch water main, install six new fire hydrants, installation of approximately 1100 feet of 8 inch PVC sanitary sewer main, installation of approximately 150 feet of 6 inch sanitary sewer service, and install four 48 inch diameter manholes, N 1/2 Section 4, T13N R 67W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by June 15, 2012.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:
http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **10-201** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/10-0517

Enclosure: Certificate of Completion

cc: IPS, Cheyenne

Wayne Harris, Martin Martin Consulting Engineers, 12499 W. Colfax Ave., Lakewood, CO 80215
Herman Noe, Cheyenne Board of Public Utilities, P.O. Box 1469, Cheyenne WY 82003

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

ADMIN/OUTREACH
(307) 777-7937
FAX 777-3610

ABANDONED MINES
(307) 777-6145
FAX 777-6462

AIR QUALITY
(307) 777-7391
FAX 777-5616

INDUSTRIAL SITING
(307) 777-7369
FAX 777-5973

LAND QUALITY
(307) 777-7756
FAX 777-5864

SOLID & HAZ. WASTE
(307) 777-7752
FAX 777-5973

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 10-202

REFERENCE PERMITS NO. N/A

Camp Bethel Cistern Replacement

This permit hereby authorizes the applicant:

Camp Bethel
P.O. Box 414
Dayton, WY 82836

to construct, install or modify the Camp Bethel Cistern Replacement, according to the procedures and conditions of the application number **10-202**. The facility is located off of US Highway 14, approximately 5 miles east of Burgess Junction. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2011.

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 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

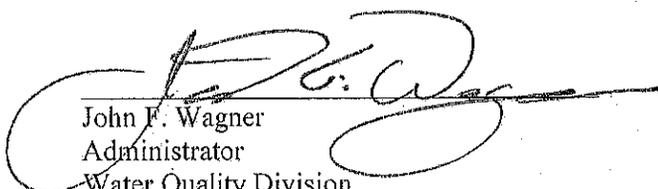
Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate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

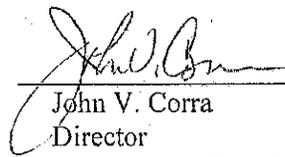
- a. Date that construction of the facility was completed; and
- b. Date that the facility was placed in operation; and
- c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
- d. Certification the facility was completed with changes or modifications.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

6/23/10
Date of Issuance

KLF/rm/10-0537

cc: Christopher P. Johnson, P.E., 10 Gosling Drive, Sheridan, WY 82801
Ken Muller, Sheridan County

STATEMENT OF BASIS

1. Permit Number: **10-202**
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 June 22, 2010. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 10-203

REFERENCE PERMIT NO. 01-191

CHLORINATION SYSTEM
PWS WY5601533

This permit hereby authorizes the applicant:

Nine Mile Water and Sewer District
5 Gearhart Road
Laramie, WY 82072

to construct, install or modify a chlorine pump and add a control panel according to the procedures and conditions of the application number 10-203. The facility is located in SW ¼ Section 21 T15N R74W; Albany County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed June 17, 2012.

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

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

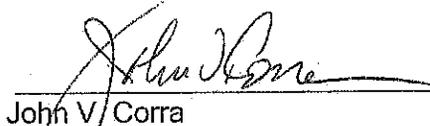
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 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 An operation and maintenance manual for the water system must be submitted to the Southeast District Engineer of the Water Quality Division for approval. The operation and maintenance manual for the water system should meet the requirements of Section 16, Chapter 12, Wyoming Water Quality Rules and Regulations.
- 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

Date of Issuance 6/19/10

RRC/rm/10-0529

STATEMENT OF BASIS

1. Permit Number: 10-203
2. This application was reviewed for compliance with the applicable regulations ;
Chapters 3, 12
3. Does the permit comply with all applicable regulations identified above?
Yes
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.
Public water supplies are exempted from review by Chapter 3, Section 17.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Richard Cripe P.E., Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on June 17, 2010. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

May 24, 2010

Todd Ordahl
Exterran Water Management Services
PO Box 6795
Sheridan, WY 82801

RE: Ra 226 Pilot Project, Johnson County, Wyoming
Permit to Construct #10-204

Dear Mr. Ordahl:

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 July 31, 2010.**

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. 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.

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

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

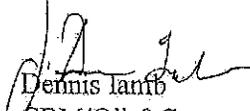
WATER QUALITY DIVISION
(307) 473-3465
Fax: (307) 473-3458



- 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
CBM/Oil & Gas
DEQ/WQD

Enclosures: Application for Permit to Construct
Certificate of Completion

cc: WDEQ File
IPS Cheyenne
Tim Kalus, Anadarko Petroleum Corporation, 1400 East Lincoln Street, Gillette, WY 82716 (no enclosures)



Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 27, 2010

Don Larson, Mayor
Town of Kirby
114 N. Bryan
Kirby, WY 82430

RE: Wilson Addition Water Line Project, Permit Number: 10-205, NE ¼, Section 7, T. 44 N., R. 94 W., Hot Springs County

Dear Mayor Larson:

This project involves constructing approximately 525 linear feet of 8-inch water main and a fire hydrant to serve six residential lots. This application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct the facilities in accordance with the general permits and materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit which can be downloaded from the Wyoming Department of Environmental Quality webpage at:

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

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

Sincerely,

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

xc: Mike Donnell, P.E., Donnell & Allred, Inc., P.O. Box 638, Worland, WY 82401
IPS, Cheyenne

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

ABANDONED MINES
(307) 332-5085
EAV 222 7726

AIR QUALITY
(307) 332-6755
EAV 222 7726

LAND QUALITY
(307) 332-3047
EAV 222 7726

SOLID & HAZARDOUS WASTE
(307) 332-6924
EAV 222 7726

WATER QUALITY
(307) 332-3144
EAV 222 7726





Department of Environmental Quality



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NOTIFICATION OF COVERAGE

May 27, 2010

Richard Dawkins
PO Box 335
Beulah, WY 82712

RE: Dawkins Small Residential Wastewater System, Crook County
Location: SW, SE¼, Section 30, Township 53N, Range 60W;

Permit # 10-206

Dear Mr. Dawkins:

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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307. 283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/10-0446

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Rosencranz Construction, PO Box 263, Beulah, WY 82712

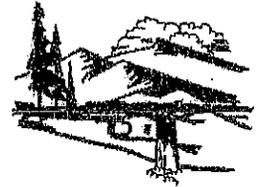
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ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752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



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 27, 2010

J. Nielson, V.P. of Administrative Services
Central Wyoming College
2660 Peck Ave.
Riverton, WY 82501

RE: Intertribal Center Sewer Line Project, Permit Number: 10-207, SE ¼, Section 29, T1N, R4E, Fremont County

Dear Mr. Nielson:

This project involves the installation of about 1556 linear feet of 8-inch PVC sewer main and five manholes to serve the new CWC Intertribal Center building with potential future service connections. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations and is hereby approved contingent upon the following condition:

The first manhole at station 0 + 50 must be a drop manhole to accommodate the existing 6-inch sewer service connection without the use of two 45-degree bends.

You are authorized to construct the facilities in accordance with the general permits and materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit which can be downloaded from the Wyoming Department of Environmental Quality webpage at:

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

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

Sincerely,

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

xc: IPS, Cheyenne
Mark Butler, P.E., Inberg-Miller Engineers, 124 East Main St., Riverton, WY 82501
Bill Urbigkit, City of Riverton, 816 North Federal Blvd., Riverton, WY 82501

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ABANDONED MINES
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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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John Corra, Director

Dave Freudenthal, Governor

NOTIFICATION OF COVERAGE

June 16, 2010

David Bumann, Chief Engineer
Wyoming Game and Fish
5400 Bishop BLVD
Cheyenne, WY 82006

RE: Tensleep Fish Hatchery Rehabilitation Project. DEQ Permit #10-208, Washakie County, T48N, R87W, SE1/4 Section 33 and SW1/4 Section 34

Dear Mr. Bumann,

This project consists of the modification of the public water supply system for staff housing at the fish hatchery facility. The modification will consist of the relocation of domestic water supply equipment, the addition of UV treatment and water softeners, and the installation of new HDPE water conveyance piping to the office building. All septic system permitting has been done by Washakie county.

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.

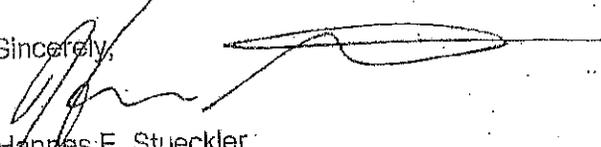
You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

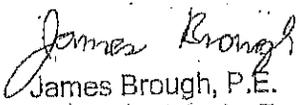
These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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
Assistant Northwest District Engineer
Water Quality Division


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

xc: PDF to Cheyenne
Skylor Wade P.E., States West Water Resources, 1904 E. 15th St., Cheyenne, WY 82001





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John Corra, Director

NOTIFICATION OF COVERAGE

May 27, 2010

Colton Cummings
23252 HWY 85
Newcastle, WY 82701

RE: Cummings Small Residential Wastewater System, Weston County
Location: SW, SE¼, Section 9, Township 45N, Range 61W; Permit # 10-209

Dear Mr. Cummings:

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) 777-6941.

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/10-0447

cc: IPS, Cheyenne
WYDEQ Casper File
Sean Crabtree, Whirlwind Dirt Works, PO Box 252, Newcastle, WY 82701
Weston County Growth & Development Office, 1 W. Main Street, Newcastle, WY 82701

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Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 27, 2010

Corey Price
3403 12th Ave
Spearfish, SD 57783

RE: Sand Creek Trading Post Commercial Septic Tank Replacement, Crook County
Location: NW¼, Section 32, Township 53N, Range 60W;

Permit # 10-210

Dear Mr. Price:

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. 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.

This Notification of Coverage is issued in response to the submission of the information for a septic tank replacement. Sand Creek is still required to obtain a separate permit prior to the construction of the leach field onsite. Sand Creek is currently working with the neighbors to insure that the future leach field will meet the minimum setback distance to their drinking water well. The permit for the leach field must be obtained by December 31, 2010.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307. 283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,


Suzanne Engels
WDEQ/WQD

SE/rm/10-0445

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Dean Jensen, Aladdin Construction, PO Box 3010, Aladdin, WY 82710

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

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

X New
Renewal
Modified

PERMIT NO. 10-211
SPECIAL CONDITIONS
REF/PERMIT

Meyer Road Application (Desert Flats Road)

This permit hereby authorizes the applicant:

Trenton and Jody Meyer
P.O. Box 294
Wamsutter, WY 82336

to road apply approximately 1,854 cubic yards of petroleum contaminated soil according to the procedures and conditions of application number 10-211. The application site is located in southwest quarter of the southeast quarter, Section 35, Township 20 North, Range 96 West in the county of Sweetwater, in the State of Wyoming. The application site is located approximately 11 miles west of Wamsutter, Wyoming. This permit shall be effective until November 1, 2010.

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 standards. Compliance with DEQ standards is the responsibility of the permittee, owner, and/or operator.

Nothing in this permit constitutes an endorsement by the DEQ of the disposal method described herein. This permit verifies only that the submitted application meets the 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 of, the permitted activity. The permittee, owner and/or operator are solely responsible for any liability arising from the waste disposal permitted. 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 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 8 The permittee shall notify representatives from the DEQ/WQD of the anticipated project commencement and completion dates with the attached post card. At least 48 hours advance notice is required. The authorized representative in your area can be contacted at the following address: DEQ/WQD, Casper WDEQ Field Office, 3030 Energy Lane, Casper, WY 82604, telephone (307) 473-3452; FAX (307) 473-3458.

- 2 of 8 The permittee shall provide immediate oral and/or written notice to the Casper WDEQ Field Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications to the approved permit package.

- 3 of 8 The permittee shall provide certification that the project was completed in accordance with the terms and conditions of the permit within sixty (60) days of the project completion to the Casper WDEQ Field Office on the attached Certification of Completion form.

- a. Date that the road application was completed; and
- b. Certification the road application was done in accordance with the terms and conditions of the permit; or
- c. Certification the road application was completed with changes or modifications. Submit the information necessary to clearly indicate the road application as actually performed. This information shall include a contour map depicting only those sections of road that actually received waste "Momar Fluid" mixture.

4 of 8 The review and approval of this permit is based upon the items identified in the attached Statement of Basis.

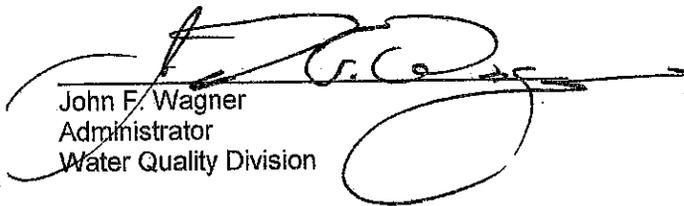
5 of 8 The petroleum contaminated soil shall be applied uniformly and incorporated into the road bed. The petroleum contaminated soil shall not be applied during the period from November 1 to April 10.

6 of 8 The application site slope shall not exceed eight percent (8%) for vehicular application.

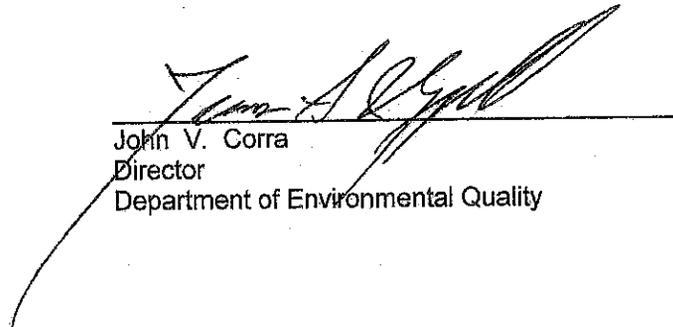
7 of 8 Application of petroleum contaminated soil shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.

8 of 8 Only the roads designated in this permit are authorized for application of the petroleum contaminated soil. Additional or alternate sections of road meeting the requirements of the application and this permit may be utilized if a written description and maps are received and approved by the WQD.

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

6-30-10

Date of Issuance

KJM/rm/10-0550

STATEMENT OF BASIS

- I. General information.
- A. Permit Number: 10-211
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
- A. Chapter XI. No
- B. Chapter XII. No
- III. Basis for issuing permit. (Indicate yes or no for each section.)
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
No
- B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.
No
- C. Permit based on deviation from applicable regulations in accordance with approved policy statement.
No
- IV. Facilities not specifically covered by regulations. (Indicate the section number of the regulations and briefly summarize the regulation.)
- A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
There are no numeric standards or criteria in Chapter XI for road application. W.S. 35-11-301 (a)(iii) requires a permit to be issued when any disposal system capable of causing or contributing to pollution is constructed, installed, modified, or operated.
- B. Briefly state the basis for the deviation.
Road application is permitted when DEQ authorized disposal facilities are not readily available, a beneficial use of the waste to be applied is possible, and significant impact to waters of the State is minimized.
- C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).
District Policy numbers 10.1 (4/9/91), 10.2 (10/17/86), 10.3 (8/91), 10.4 (10/24/91), and 10.6 (1/18/91) address the statutory authority to regulate the road application of waste, establish criteria for characterizing the waste, and determine acceptable conditions for the application of the waste to roadbeds to minimize impact to waters of the State.
District Policy 10.2 (10/17/86)
- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)
NA
- VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

¹Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

A. Facility will not allow a discharge to groundwater. Briefly describe:

The opportunity for direct or indirect discharge, percolation, or filtration to groundwater is minimized by uniformly applying the petroleum contaminated soils onto the roadbed. Repeated applications of petroleum contaminated soils on the same sections of road will be monitored by roadbed analyses.

B. Quality of waste is such that it will not cause a violation of groundwater standards. Briefly describe:

NA

C. Existing soils or geology will not allow a discharge to groundwater. Briefly describe:

NA

D. Basis of facility design is that it will be operated so as not to violate groundwater standards (example: maintenance of manure pack at animal waste treatment facility). Briefly describe:

NA

E. Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

NA

F. If water quality exceedances are allowed, briefly describe the parameter limits, property boundaries, places of withdrawal and any other information documenting that any users of affected aquifer will not be impacted.

NA

G. Briefly describe monitoring system (parameters, frequency, etc.). Clearly state the parameters to be utilized for determining compliance, what constitutes a violation and steps to be followed by the permittee in the event of a violation.

NA

VII. Documentation of Statement of Basis.

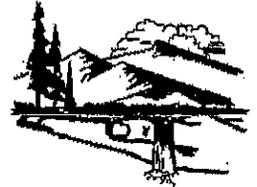
A. The archive file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Kim Medina, Project Geologist, and completed on June 28, 2010. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 10, 2010

Mike Nelson
City of Green River
50 East 2nd North
Green River, WY 82935

RE: City of Green River - 16-inch Waterline Crossing Under the Green River - Permit Number 10-212R, SE1/4, Section 22, T18N, R107W, Sweetwater County

Dear Mr. Nelson:

The above application for coverage under General Permits to Construct the extension of a public water distribution system consisting of about 634 linear feet of 16-inch PVC water main in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the facility in accordance with the General Permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permits. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

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

Sincerely,

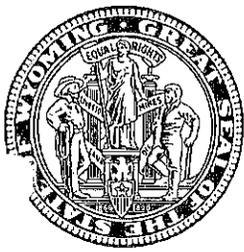
Mark Baron P.E.
Southwest District Engineer
Water Quality Division



xc:

Phil Gyr, P.E., Nelson Engineering, P.O. Box 1599, Jackson, WY 83001
Bryan Seppie, P.E., Green River-Rock Springs-Sweetwater County, Joint Powers Water Board,
P.O. Box 1299, Green River, WY 82935

PDF: IPS Cheyenne



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 1, 2010

Lance Hofland
PO Box 572
Sundance, WY 82729

RE: Hofland Small Residential Wastewater System, Crook County
Location: Beulah Land Estates Subdivision Lot 29;

Permit # 10-213

Dear Mr. Hofland:

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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307. 283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels
Suzanne Engels
WDEQ/WQD

SE/rm10-0458

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Josh Franzen, JW Services, 519 State HWY 116, Sundance, WY 82729

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



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Dave Freudenthal, Governor

John Corra, Director

TRANSFER of OWNERSHIP NOTIFICATION OF COVERAGE

June 14, 2010

Dunmire Ranch Company of Wyoming
Les Dunmire, President
HC 64, Box 102
McFadden, Wyoming 82083

RE: New Septic System,
(Reference Permit or NOC #: 09-576)
Location: SW $\frac{1}{4}$, Section 17, T19N, R78W,

Application No. **10-214**

Carbon County

Dear Mr. Dunmire,

The above application for coverage by means of a transfer of ownership of the facility listed above in accordance with Chapter 3, Section 12 (c), (d), and (e) of the Wyoming Water Quality Rules and Regulations(WQR&R) has been received and is hereby granted. You are hereby authorized to take over the responsibilities of the Notification of Coverage(NOC) Number 09-576 in accordance with the following conditions of transfer:

1. Effective Date of Transfer - is the day that the DEQ/WQD receives the appropriate completed and signed transfer request form in accordance with Chapter 3, Section 12 (c) of the WQR&R (copy attached). The effective date is May 28, 2010 .
2. Transfer of Conditions - any project specific conditions listed in NOC # 09-576 remain in effect and full force in accordance with Chapter 3, Section 12(d) of the WQR&R. Any applicable general permit conditions identified in NOC # 09-576 also remain in effect and full force in accordance with Chapter 3, Section 12(e) of the WQR&R.
3. Completion of Construction and Conditions - if, at the time of the transfer of ownership of this NOC, any of the construction or conditions associated with the NOC # 09-576 which has not been completed shall be completed by the new owners in compliance with Chapter 3, Section 12(c).

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ADMIN/OUTREACH
(307) 777-7937
FAX 777-3610

ABANDONED MINES
(307) 777-6145
FAX 777-6462

AIR QUALITY
(307) 777-7391
FAX 777-5616

INDUSTRIAL SITING
(307) 777-7369
FAX 777-5973

LAND QUALITY
(307) 777-7756
FAX 777-5864

SOLID & HAZ. WASTE
(307) 777-7752
FAX 777-5973

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



The approval granted under this Notification Of Coverage shall expire on October 26, 2011.
Please reference Application Number 10-214 in any future correspondence.

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

Sincerely,



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

RLE/rm/10-0511

Enclosures: Copy of Completed & Signed "Transfer Request Form"
Copy of Reference NOC # 09-576
GENERAL PERMIT – Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Gillian F. White, President, Lonesome Fox Corporation, HC 64, Box 204,
McFadden, Wyoming 82083
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West
Buffalo Street, Suite 336, Rawlins, Wyoming 82301

RECEIVED

10-214

MAY 28 2010

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY/WATER QUALITY DIVISION
Chapter 3 PERMIT TO CONSTRUCT TRANSFER REQUEST

Water Quality Division, Department of Environmental Quality
122 West 25th Street
Herschler Building, 4W
Cheyenne, WY 82002

Date January 19, 2010

Lonesome Fox Corporation intends to transfer ownership of the facility
(Original Owner of Record)

NEW SEPTIC SYSTEM associated with Permit # 09-576
(Facility Name or description)

to DUNMIRE RANCH COMPANY OF WYOMING on January 19, 2010
(New Owner of Record) (Date)

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

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

Gillian F. White

Signature of Original Owner's Representative
(A certified copy of a recorded document transferring ownership of the real estate may be accepted in lieu of the signature of the original owner.)

Name and Title GILLIAN F. WHITE
PRESIDENT
(Please Print)

Company Name LONESOME FOX
CORPORATION

Address HC 64 Box 204
McFADDEN, WY 82083

Telephone (307) 378-2446

Les Dunmire

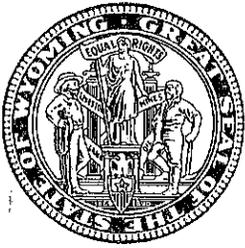
Signature of New Owner's Representative

Name and Title LES DUNMIRE
PRESIDENT
(Please Print)

Company Name DUNMIRE RANCH
COMPANY OF WYOMING

Address HC 64 Box 102
McFADDEN, WY 82083

Telephone (307) 378-2522



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 3, 2010

Cy Stewart
54 Stewart Lane
Moorcroft, WY 82721

RE: Stewart Small Residential Wastewater System, Crook County
Location: Thorton Subdivision #3, Lot 5; Permit # 10-215

Dear Mr. Stewart:

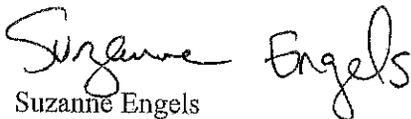
The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307. 283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,


Suzanne Engels
WDEQ/WQD

SE/rm/10-0466

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

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Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 21, 2010

Mark McNamee
16 Strawberry Hill Road
Hulett, WY 82720

RE: McNamee Small Residential Wastewater System, Crook County
Location: Section 2, Township 55N, Range 65W;

Permit # 10-216

Dear Mr. McNamee:

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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307. 283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/10-0535

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Allan Schreier, Schreier Engineering, 511 National Street, Ste 101, Belle Fourche, SD 57717

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WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 10-217

Dave Johnston Power Plant TTHM Precursor Treatment
PWS: WY5600291 NTNC

This permit hereby authorizes the applicant:

Pacificorp Energy – Dave Johnston Power Plant
1591 Tank Farm Road
Glenrock, WY 82637

to construct, install or modify an in-line granulated activated carbon filter in the water system used according to the procedures and conditions of the application number 10-217. The facility is located in NE ¼ Section 18, T33N, R74W in the county of Converse, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by September 29, 2012.

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

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

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

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

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

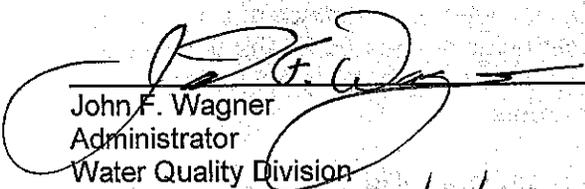
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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

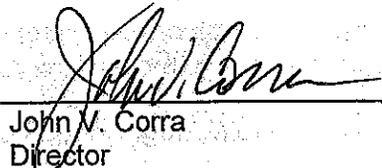
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

1. The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-7610, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
2. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
3. An operation and maintenance manual for the water system must be submitted to the Southeast District Engineer of the Water Quality Division for approval. The operation and maintenance manual for the water system should meet the requirements of Section 16, Chapter 12, Wyoming Water Quality Rules and Regulations.
4. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

Date of Issuance

10/11/10

RRC/rm/10-0872

STATEMENT OF BASIS

1. Permit Number: 10-217
2. Application reviewed for compliance with the following applicable regulations :

Chapter(s) 3 and 12 of the Wyoming Water Quality Rules and Regulations

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

Yes

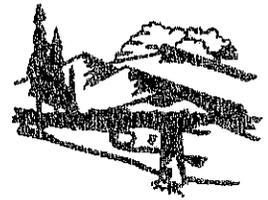
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

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 Richard Cripe, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on September 29, 2010. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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

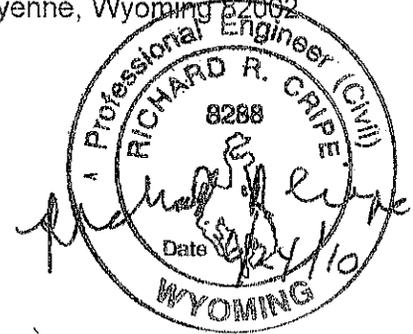
Dave Freudenthal, Governor

John Corra, Director

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: PWS# 5600291NTNC TTHM Precursor Treatment
ENGINEER: Jason Dinkel, Pacificorp- Dave Johnston Power Plant
1591 Tank Farm Rd, Glenrock, WY 82637
APPLICANT: Pacificorp- Dave Johnston Power Plant
1591 Tank Farm Rd, Glenrock, WY 82637



WATER QUALITY DIVISION REFERENCE NUMBER: 10-217
REVIEWING ENGINEER: Richard R. Cripe
DATE OF REVIEW: June 24, 2010

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. In accordance with Section 14(a), Chapter 3, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with said Section 9. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS

- Chapter 12, Section 6 (c)(v)(B)(III). What is your water quality data? What is the TOC (Casper or Douglas may have info)?
- Chapter 12, Section 10 (i)(ii)(B)(v)(1)(c). The plans do not have provisions made for replacement or regeneration if GAC is used for filtration.
- Chapter 12, Section 10 (q)(v). Does this GAC unit meet these requirements?
- Chapter 12, Section 10 (s)(i). What is the ph of the water? What is the turbidity?
- Chapter 12, Section 10 (s)(ii). What is the contact time for this GAC unit? Does the surface loading rates exceed 10 gpm/ft ^2?
- Chapter 12, Section 10 (s)(iii). Does this GAC unit meet these requirements?
- Is the TTHM formation due to water storage? What is the age of water in your system? What is the water used for in your tank? What is the water level of your tank? Was the tank cleaned? How was it cleaned? Does the tank mix the water efficiently?

RRC/rm/10-0543

Reviewed by Rich Cripe, Phone 307-777-7075, email rcripe@wyo.gov.

Page 1 of 1

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

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



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 16, 2010

Bob Brockman
P.O. Box 155
Wheatland, Wyoming 82201

RE: Antelope Gap Leachfield & Septic Tank,
Location: SE¼, Section 16, T24N, R67W,

Application No. **10-218**
Platte County

Dear Mr. Brockman:

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

1. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.
2. Leachfield Trenches to be Not More than 42 inches Deep - the submitted plans have the leachfield trenches being 6 feet deep. This is too deep. Additionally, the percolation tests were run at about only 3 feet deep. Percolation tests should be run at about the same depth as the proposed leachfield trenches. Therefore, **the leachfield trenches shall be 36 to no more than 42 inches deep**. The other trench dimensions can remain the same; width 24 inches, and depth below bottom of pipe 6 inches. See "Four Trench Pipe Leachfield" detail sheet attached.
3. Leachfield Trenches to be Not More than 75 Feet Long - the submitted plans call for only two trenches of 150 feet long each. This is too long for individual trenches. Therefore, **the leachfield shall consist of four trenches of at least 67 feet long but not more than 75 feet long each**. See "Four Trench Pipe Leachfield" detail sheet attached.

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ADMIN/OUTREACH
(307) 777-7937
FAX 777-3610

ABANDONED MINES
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FAX 777-6462

AIR QUALITY
(307) 777-7391
FAX 777-5616

INDUSTRIAL SITING
(307) 777-7369
FAX 777-5973

LAND QUALITY
(307) 777-7756
FAX 777-5864

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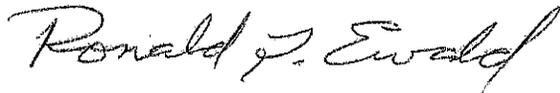
WATER QUALITY
(307) 777-7781
FAX 777-5973



The approval granted under this Notification Of Coverage and the General Permit shall expire on June 16, 2012. Please reference Application Number 10-218 in any future correspondence.

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

Sincerely,



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

RLE/rm/10-0520

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Four Trench Pipe Leachfield - detail sheet
Certificate of Completion

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



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

November 15, 2010

Wendy Cheung
USEPA, Region VIII
1595 Wynkoop Street
Denver, Colorado 80202-1129

RE: Christensen Ranch Disposal Wellfield, UIC Class I Application **10-219**
Johnson County, Wyoming

Dear Ms. Cheung:

In accordance with the Memorandum of Agreement between the Wyoming Department of Environmental Quality (WDEQ) and the United States Environmental Protection Agency (USEPA), the purpose of this letter is to inform USEPA that WDEQ has determined that the application from Uranium One USA, Inc., to renew permit 00-340 is complete and technically adequate. Draft permit 10-219 and the previous permit 00-340 are for two existing wells, Christensen Ranch 18-3 and Christensen Ranch DW No. 1, and two proposed wells, Christensen Ranch DW No. 2 and Christensen Ranch DW No. 3. The application material and draft permit are available for USEPA review on the GEM web site (<https://gem.trihydro.com>). The draft permit and public notice have been released for public comment and are available on the WDEQ web site (<http://deq.state.wy.us/wqd/events/index.asp>).

General Information

Description of the Discharge Zone: The discharge zone comprises the Tullock aquifer system in the lower Fort Union Formation and the Lance aquifer system throughout the Lance Formation. In permit 00-340 and preceding permits, the Tullock Member was misidentified as part of the Lance Formation. Christensen Ranch 18-3 is currently perforated at 4,011-6,484 feet below the surface. Christensen Ranch DW No. 1 is currently perforated at depths of 3,821-6,308 feet. The two proposed wells will be perforated at depths of approximately 3,800-6,500 feet.

The area of review for each well is based on the radius of the cone of influence as this is larger than the radius of emplaced waste and the radius of the minimum area of review (Water Quality Rules and Regulations-WQRR, Chapter 13, Section 5(b)(iv)(C)) (Table 1).



Table 1. Areas of Review for the Disposal Wells

	Minimum Radius	Radius of Emplaced Waste	Radius of Influence
Christensen Ranch 18-3	1,320 ft	690 ft	2,020 ft
Christensen Ranch DW No. 1	1,320 ft	670 ft	2,902 ft
Christensen Ranch DW No. 2	1,320 ft	510 ft	2,370 ft
Christensen Ranch DW No. 3	1,320 ft	510 ft	2,370 ft

Water Quality of the Discharge Zone: Total dissolved solids concentrations (TDS) and other water quality parameters probably vary with depth and lithology within the discharge zone. Four samples from the Christensen Ranch disposal wells have TDS between 1,400 mg/L and 2,500 mg/L (Table 2). The abnormally high potassium concentrations in the two samples from Christensen Ranch DW No. 1 suggest a high proportion of drilling fluid with added potassium chloride.

Table 2. Water Quality of Discharge Zone in Christensen Ranch 18-3 and Christensen Ranch DW No. 1

Well	CR 18-3	CR 18-3	CR DW No. 1	CR DW No. 1
Sample Name	DST #1	DST #2	Lower Lance	Upper Lance
Date	Aug. 9, 1997	Aug. 11, 1997	Nov. 18, 1998	Nov. 20, 1998
Depth	6,365-6,485 ft	5,090-5,370 ft	5,192-6,308 ft	3,821-5,166 ft
Rock Unit	Lance	Tulloch	Tulloch and Lance	Tulloch
Total Dissolved Solids (mg/L)	1,947	1,430	2,460	2,330
Conductivity (µmho/cm)	3,043	2,380	4,250	4,000
TDS/Conductivity	.64	.60	.58	.58
Calcium (mg/L)	6.8	7.2	18	21
Sodium (mg/L)	652	532	606	425
Potassium (mg/L)	16.9	6.5	291	459
Bicarbonate (mg/L)	994	1,010	575	482
Sulfate (mg/L)	228	62	288	140
Chloride (mg/L)	327	256	770	724
Fluoride (mg/L)	4.54	5.12	2.07	1.77
Ammonium as N (mg/L)	1.66	1.67	4.96	6.12
Benzene (mg/L)	na	6.9	na	na
Oil and Grease (mg/L)	na	18.9	na	na
Total Phenolics (mg/L)	.33	.33	na	na
Arsenic (mg/L)	.003	.006	.007	.016
Boron (mg/L)	1.04	.78	.04	.31
Copper (mg/L)	2.39	.29	.53	.63
Iron (mg/L)	8.36	27.8	28.0	23.6
Mercury (mg/L)	na	.004	na	na
Zinc (mg/L)	14.1	.83	2.67	7.29

na - not analyzed

N.B. Trace metals for DST #1 were analyzed twice; only the results for "total" trace metals (lab ID #97-47276) submitted on August 13 with the DST #2 samples are reported above.

Confining Zone: The Tullock aquifer system is confined above by the Lebo confining layer of Lewis and Hotchkiss (1981) in the Lebo Shale Member of the Fort Union Formation. The Lebo Shale is at least 1,000 feet of shale or mudstone with minor interbedded, lenticular sandstone.

Underlying Aquifers: The Lance Formation is Upper Cretaceous in age (66-84 million years old) and is underlain by approximately 10,000 feet of sedimentary strata as old as Cambrian (505-570 million years old). Potential aquifers and estimated depths are listed in Table 3. Depths in Christensen Ranch DW No. 1 to aquifers below the Parkman are estimated from depths in the Christena Camblin 1 well (API No. 49-005-20841), which is 9 miles southeast of DW No. 1.

Table 3. Aquifer Depths in Christensen Ranch DW No. 1 Estimated from Geophysical Logs (aquifer tops may differ from formation tops)

Aquifer	Depth in Christensen Ranch DW No. 1	Depth Difference	Depth in Christena Camblin 1
Tullock	3,820-5,420	360	4,180-5,850
Lower Lance	5,750-6,950	340	6,090-7,380
Fox Hills	6,950-7,100	430	7,380-7,530
Teckla	7,500-7,730	490	7,990-8,150
Teapot	7,870-7,990	470	8,340-8,480
Parkman	8,200-8,280	460	8,660-8,880
Sussex	9,210 top	[470]	9,680-9,705
Shannon	9,640 top	[470]	10,110-10,150
Niobrara	10,730 top	[470]	11,200-11,420
Frontier	11,390 top	[470]	11,860-12,000
Muddy	12,345 top	[470]	12,815-12,835
Inyan Kara (Lakota, Fall River)	12,535 top	[470]	13,005-13,110
Morrison	12,680 top	[470]	13,150-13,230
Sundance	12,860 top	[470]	13,330-13,430
Minnelusa (Tensleep)	14,050 top	[470]	14,520-15,120(?)
Madison	14,850 top	based on thicknesses in Salt Creek field	
Deadwood-Flathead	15,900 top	based on thicknesses in Salt Creek field	

Christena Camblin 1 is in section 4, T43N, R75W; depths to Sussex and lower units in DW No. 1 were estimated by subtracting 470 feet from depths in Christena Camblin 1.

Water Quality of Underlying Aquifers: Groundwater salinities in aquifers below the discharge zone have been estimated from geophysical logs in Ross Unit 1 (API No. 49-005-22824), which is 19 miles southeast of Christensen Ranch DW No. 1 (Table 4 and in Petrotek, 2008). Formation tops in Ross Unit 1 are generally less than 1,000 feet deeper than those in Christensen Ranch DW No. 1 but there may be geographic as well as vertical variations in salinity. Petrotek (2008) estimated Minnelusa salinity of 9,000 ppm at 15,530-15,349 feet from logs of Moore Patented 1 (API No. 49-019-20051). This well is 16 miles south-southwest of DW No. 1. Petrotek (2008) reported TDS of 6,150 mg/L in a water sample from the Madison aquifer 30 miles north of DW No. 1. This well, the Router Deep Federal SWD #1 Class II well (API No. 49-019-20843), is perforated at 13,760-14,448 feet. A sample of Madison water from the Class I well 32MADSW12 (permit 08-144) has 5,640 mg/L TDS but is from a depth less than 6,000 feet. It is 27 miles southwest of DW No. 1. Other water sample data from the deeper aquifers are rare and widely spaced and have been summarized graphically by Petrotek (2008).

Current Use of the Affected Aquifer as a Drinking Water Source

Drinking Water Use: In the four townships (approximately 12 miles x 12 miles or an area of 144 square miles) nearest the Christensen Ranch disposal wells, the State Engineer's Office (SEO) water rights database lists 9 wells for domestic or domestic and other (e.g., stock watering) purposes. The deepest is 760 feet, or approximately 3,000 feet shallower than the top of the discharge zone. The SEO database does not list any municipal wells in this area.

Table 4. NaCl Salinity Estimated from Geophysical Logs of Ross Unit 1
[extracted from Table 2 of Petrotek, 2008]

Formation	Depth Interval (feet)	Thickness-weighted Average Salinity (mg/L)
Fort Union (Lebo)	3,474-3,683	1,090
Fort Union (Tullock)	3,718-4,586	1,380
Lance (upper)	5,130-6,245	2,680
Lance (lower)	6,418-7,232	2,790
Fox Hills	7,262-7,508	3,770
Teckla	7,926-?	no estimate*
Teapot	8,472-8,610	7,900
Parkman	8,797-8,892	8,500
Sussex	9,949-?	no estimate*
Shannon	10,298-?	no estimate*
Frontier	12,240-12,252	13,000
Muddy	13,148-?	no estimate*
Inyan Kara (Lakota, Fall River)	13,446-13,480	20,500
Morrison	13,485-?	no estimate*
Sundance	13,560-?	no estimate*

Ross Unit 1 is in section 3, T41N, R75W; Moore Patented 1 is in section 28, T42N, R77W.

*Insufficient porosity to estimate salinity.

Elsewhere in the Powder River Basin, it is likely that any domestic wells in or near outcrops of the Tullock Member obtain water from that unit but such wells cannot be identified in the SEO water rights database. For example, the Tullock crops out 15 miles east of Gillette and along Wyoming Highway 192 27 miles southwest of Christensen Ranch (Bartos and Ogle, 2002; Brown 1993). Wright is the closest community that might have water supply wells in the Tullock aquifer. It is 29 miles east-southeast of the Christensen Ranch disposal wells. Wester-Wetstein & Associates (2006) indicated that Wright's RJ-6 water supply well produces from sandstones in the upper 200 feet of the Tullock Member of the Fort Union Formation. However, their demarcation of less than 200 feet of the Lebo Shale Member above the Tullock is inconsistent with Lewis and Hotchkiss's (1981) estimate of an 800 feet thickness for the Lebo. Some of the deeper public water supply wells in the Gillette area, approximately 43 miles northeast of Christensen Ranch, probably tap the Tullock aquifer but aquifers are typically not identified.

Domestic wells also obtain water from the Lance Formation near its outcrop in parts of the Powder River Basin (Hodson, Pearl, and Druse, 1973). The nearest Lance outcrops are about 15 miles to the southwest. The nearest public water supply wells in the Lance include those at Rolling Hills, approximately 63 miles south of Christensen Ranch, and at Gillette, approximately 43 miles northeast of Christensen Ranch.

Other Uses: The SEO water rights database lists 151 permits with miscellaneous or miscellaneous and some other use in the four townships nearest the disposal wells. Although use of these wells might include drinking water, all but one of the owners are mining or petroleum companies. The one exception is for

John Christensen's Barn #30 well. Of the 51 permits (some permits apply to the same well) that list well depths, all but two are at least 2,000 feet shallower than the top of the discharge zone. The two exceptions are for EOG's JDU WSW #1 well, which is 8,800 feet deep and 2,000 feet below the bottom of the discharge zone.

The four township area also includes 77 permits exclusively for stock watering use. The 62 stock permits with well depths listed in the SEO database include 61 depths less than 1,020 feet and 1 depth of 9,537 feet. The #61 Heldt Draw Unit II well (UW5013), was originally drilled to 9,537 feet but was plugged and converted to a stock well with a depth of 812 feet.

There are about 900 SEO permits for coalbed methane wells, with or without other uses, in the four township area surrounding the Christensen Ranch disposal wells. Most have not yet been drilled. Of the 83 permits with well depths listed in the SEO database, all are less than 1,800 feet deep. This is approximately 2,000 feet shallower than the top of the discharge zone.

Criteria for the Proposed Class VI Classification

Groundwater Classification of the Discharge Zone: WDEQ proposes to classify waters in the Tullock and Lance aquifer systems within the areas of review for each disposal well as Class VI because the wells are "located in such a way, including depth below the surface, so as to make use economically and technologically impractical" (WQRR, Chapter 8, Section 4(d)(ix)(C)). Aquifer exemptions by USEPA for the discharge zones in the proposed and existing disposal wells have been published in the Federal Register (March 26, 1999, Volume 64, Number 58, p. 14800-14804; July 22, 2002, Volume 67, Number 142, p. 47721-47726). Exemptions were based on Title 40, Code of Federal Regulations CFR), Section 146.4(a) and 146.4(b)(2), which states "It is situated at a depth or location which makes recovery of water for drinking water purposes economically or technologically impractical." Page 47724 of the Federal Register further stated that "EPA concludes that the deeper Lance Formation will never be required to provide drinking water in the area of the aquifer exemption." Arguments supporting 146.4(b)(2) logically apply to all deeper aquifers. The basis for WDEQ's classification is described in "Basis for Class VI Classification" below.

Groundwater Classification of Aquifers Underlying the Discharge Zone: WDEQ proposes to classify waters in all aquifers below the Lance (Table 3) within the areas of review of each well as Class VI by the criterion in WQRR, Chapter 8, Section 4(d)(ix)(C). Because use of water from the Lance is deemed to be economically and technologically impractical due to depth and location (see above), deeper wells at the same locations would also be economically and technologically impractical. Such classification is supported by 40 CFR 144.1(g), which states that aquifers "which have no real potential to be used as drinking water sources . . . are not USDWs". With this letter, WDEQ is formally applying for exemption of the Fox Hills and all deeper aquifers (Table 3). Accordingly, WDEQ is proposing USEPA exemption of said portions of these aquifers under 40 CFR 146.4(a) and one or more of the following criteria: 146.4(b)(2), 146.4(b)(3), or 146.4(c). The basis for WDEQ's classification and justification for aquifer exemption under 146.4(b)(2) are described in "Basis for Class VI Classification" below.

Because TDS is not reliably known for most aquifers below the Lance (Table 4), WDEQ requests that USEPA apply the aquifer exemption process to all aquifers below the Lance whether or not they meet the definitions of "underground source of drinking water" (USDW) in WQRR, Chapter 13, Section 2(ff) or 40 CFR 144.3. Exemption of non-USDWs would not conflict with protection of groundwater resources as mandated by the Safe Drinking Water Act.

Waters in the Teckla, Teapot, and Parkman aquifers were previously classified as Class VI in permits 88-545, 95-241, and 97-407 for the Christensen Ranch Disposal Wellfield and in permit 91-247 for two wells at Irigaray Ranch (approximately 7 miles northwest of the Christensen Ranch disposal wells) based on poor water quality and aquifer depths which make recovery and treatment of the water impractical (i.e., WQRR, Chapter 8, Section 4(d)9ix)(C)). Although not made explicit in these permits, this Class VI classification under WQRR, Chapter 8, Section 4(d)(ix)(C) would logically apply to all deeper aquifers because deeper wells are more costly to construct and operate than shallower wells at the same locations.

Basis for the Class VI Classification

Distance from Population Centers: The Christensen Ranch Disposal Wellfield is located in a sparsely populated, rural part of the Powder River Basin where the major land use activities are ranching, petroleum production, and uranium mining. The nearest population centers are listed in Table 5 and illustrated in Figure 2 of Petrotek (2008). Because of the distances in Table 5, it would be uneconomic to develop water supplies in the Christensen Ranch area for off-site communities unless the water supply potential were outstanding. It is not (see below).

Table 5. Population Centers Nearest Disposal Wells

Community	2009 Population	Distance from C.R.	Direction from C.R.
Sussex	not in census	14 miles	southwest
Linch	not in census	16 miles	south-southwest
Midwest & Edgerton	617	29 miles	south-southwest
Wright	1,550	29 miles	east-southeast
Kaycee	293	31 miles	west-southwest
Gillette	28,726	43 miles	northeast
Buffalo	4,888	50 miles	northwest
Casper	53,837	67 miles	south-southwest

2009 population is an estimate by the Wyoming Economic Analysis Division (<http://eadiv.state.wy.us/pop/SUB-09EST.htm>).

Water Supply Potential: Based on recharge/sustainability, water quality, and yield, aquifers in and below the discharge zone have poor water supply potential. Recharge to even the shallowest aquifer at Christensen Ranch, the Wasatch-Tongue River, is very small so water supplies developed at Christensen Ranch are unlikely to be sustainable for other than local domestic use. Estimated annual evaporation and annual evapotranspiration exceed annual precipitation throughout the basin but some recharge may occur by leakage from streams and by precipitation on unusually permeable rock, such as “clinker” (Bartos and Ogle, 2002).

Tritium released to the atmosphere during the nuclear tests of the 1950s and 1960s is a marker for recharge from recent precipitation. Bartos and Ogle (2002) found that all 13 samples of water from coal beds in the Fort Union Formation at depths of 297-1,795 feet have negligible tritium and are from pre-1952 precipitation. 6 of 8 samples from the Wasatch Formation at depths of 50-1,100 feet also have only pre-1952 water. Evidently, recent recharge to aquifers below 300 feet is very small or negligible. This is supported by the regional water balance model of Hotchkiss and Levings (1981).

Hotchkiss and Levings (1981) initially constrained recharge in their model of Tertiary aquifers in the Powder River Basin to be between 0.5% and 3.6% of annual precipitation based on published estimates. The final calibrated model had recharge of 38.16 ft³/s over a model area of 42,000 square miles, or

0.00103 acre-ft/acre. This is equivalent to 0.012 inches, or less than 0.1% of Gillette's mean annual precipitation of 16.6 inches (Ogle and Bartos, 2002). The model of Hotchkiss and Levings (1986) has a trace of downward leakage from the Wasatch-Tongue River to the Lebo confining unit and from the Lebo confining unit to the Tullock aquifer. This leakage amounts to less than 1 gal/min over an area of 1 square mile. Local hydrologic conditions could differ substantially from Hotchkiss and Levings's (1986) model but local estimates of recharge have not been found.

As shown in Tables 2 and 4, water quality in the Tullock, Lance, and Fox Hills aquifers is poor and that in the deeper aquifers is very poor.

The central basin location of Christensen Ranch suggests fracture permeability, which is critical for many high-yield, non-alluvial wells, is minimal. There are no existing high-yield wells to demonstrate productivity in deep aquifers at Christensen Ranch. Aquifers at Christensen Ranch probably have lower porosity and permeability than in most other areas of the state due to greater depth and temperature, which promote diagenetic plugging of pores. The solution-enhanced permeability which makes the Madison so productive near its outcrop is likely absent at Christensen Ranch because Cenozoic karstification has been precluded by deep burial since the beginning of the Laramide orogeny in the Late Cretaceous (Huntoon, 1993).

Aquifers in and below the discharge zone at the Christensen Ranch location are unfavorable for sustainability, unfavorable for water quality, and unfavorable for high yield. Developing unsustainable, poor quality water with low yield wells is not economical.

Remoteness: Access to the Christensen Ranch area is poor. There are no county roads into the area and the nearest state highways are about 12 miles to the east and 12 miles to the southwest. Although mine roads currently provide access, they may not be maintained after the mines close. Due to the distances in Table 5 and lack of public roads, water demand due to future suburban development in the Christensen Ranch area is unlikely. Without a major increase in demand, water wells to deep aquifers at Christensen Ranch will remain uneconomic.

Land Ownership: Surface ownership at Christensen Ranch is a mix of private, state, and federal. The State has two sections within the 16 sections surrounding the disposal wells. Federal land also removes approximately one-third of the 16-section area from private settlement and reduces the likelihood of an increase in future water demand. Without a major increase in demand, water wells to deep aquifers at Christensen Ranch will remain uneconomic.

Well Costs: A regression of Wyoming Water Development Commission (WWDC) cost data for public water supply wells with depths of 200-4,250 feet indicates that it would cost approximately \$454,000 (in 2009 dollars) to drill and complete an 800 feet deep well in the Wasatch-Tongue River aquifer and \$1,390,000 (in 2009 dollars) to drill and complete a 5,200 feet deep well to the bottom of the Tullock aquifer. Wells to deeper aquifers would be progressively more expensive. Per gallon operating costs are also likely to increase with depth as heads are probably lower in deeper aquifers and yields are probably lower in deeper aquifers. Additional well cost estimates are in Petrotek (2008).

Treatment Costs: Water from domestic wells (Table 6) and pre-mining monitor wells (Table 7) in the Wasatch-Tongue River aquifer at Christensen Ranch does not require treatment for use as drinking water. Additional results for these and other wells are in the application for permit 88-545 (Malapai Resources Company, 1988).

Table 6. Water Quality of the Wasatch-Tongue River Aquifer at Christensen Ranch

Well	CR Ranch House	Ellendale #4	Middle Artesian	Dells Gulch Windmill
SEO Permit No.	?	UW24085	UW24086	UW24091?
Sample Name	88-0324	88-0325	88-0321	88-0323
Date	Jan. 23, 1988	Jan. 23, 1988	Jan. 23, 1988	Jan. 23, 1988
Total Depth	?	406 ft	265 ft	227 ft
Rock Unit	Wasatch	Wasatch	Wasatch	Wasatch
Total Dissolved Solids (mg/L)	442	446	388	378
Conductivity (µmho/cm)	752	696	678	668
TDS/Conductivity	0.59	0.64	0.57	0.57
pH	8.22	8.45	8.59	8.17
Calcium (mg/L)	13.0	9.6	7.7	8.5
Magnesium (mg/L)	2.0	1.5	1.3	1.3
Sodium (mg/L)	138	137	133	130
Potassium (mg/L)	2.6	2.6	1.5	1.6
Bicarbonate (mg/L)	135	130	110	144
Sulfate (mg/L)	219	194	200	173
Chloride (mg/L)	7.0	7.7	9.4	9.5
Fluoride (mg/L)	0.25	br	0.36	1.00
Ammonium as N (mg/L)	br	0.07	br	0.05
Aluminum (mg/L)	br	br	br	br
Arsenic (mg/L)	br	0.002	br	br
Barium (mg/L)	br	br	br	br
Boron (mg/L)	br	br	br	br
Copper (mg/L)	br	br	br	br
Iron (mg/L)	br	0.12	br	0.05
Manganese (mg/L)	0.02	0.01	br	br
Mercury (mg/L)	br	br	br	br
Silica (mg/L)	7.1	7.9	7.7	6.4
Selenium (mg/L)	br	br	br	br
Zinc (mg/L)	0.03	br	br	0.05
Uranium (mg/L)	0.0228	0.0013	0.0206	0.0114
Radium-226 (pCi/L)	1.3	br	0.6	br

na - not analyzed

br - below reporting limit

Table 7. Water Quality of the "K" Sandstone in Production Unit 3 at Christensen Ranch, Perimeter Ore Zone Monitor Wells

	Number of Samples	Maximum	Minimum	Mean
Total Dissolved Solids (mg/L)	84	446	364	407
Conductivity (µmho/cm)	167	727	628	674
pH	168	9.7	8.2	8.8
Calcium (mg/L)	84	10	4.6	7.42
Magnesium (mg/L)	84	1.28	0.36	0.98
Sodium (mg/L)	84	140	126	133
Potassium (mg/L)	84	8.3	1.4	2.3
Bicarbonate (mg/L)	21	119	91.8	110
Sulfate (mg/L)	84	221	143	198
Chloride (mg/L)	168	12.9	6.2	9.2
Fluoride (mg/L)	21	0.22	0.18	0.20
Ammonium as N (mg/L)	21	0.11	br	0.06
Aluminum (mg/L)	21	br	br	br
Arsenic (mg/L)	84	0.003	0.03	br
Barium (mg/L)	21	br	br	br
Boron (mg/L)	21	br	br	br
Copper (mg/L)	21	br	br	br
Iron (mg/L)	21	br	br	br
Manganese (mg/L)	21	br	br	br
Mercury (mg/L)	21	br	br	br
Silica (mg/L)	21	8.8	7.7	8.33
Selenium (mg/L)	84	0.036	br	0.002
Zinc (mg/L)	21	0.01	br	0.01
Uranium (mg/L)	84	0.346	br	0.023
Radium-226 (pCi/L)	84	40.3	br	3.13

na - not analyzed

br - below reporting limit

Water from aquifers below the Wasatch-Tongue River aquifer would require treatment to meet Wyoming Class I domestic use standards (Water Quality Rules and Regulations, Chapter 8, Section 4(d)(i)) (Tables 2 and 4). Even minor treatment adds substantially to costs. For example, it was estimated that a centralized reverse osmosis facility to reduce uranium in a 250 gallon/minute water supply for the town of Manville would have a capital cost of \$690,000 (in 2009 dollars) and a 30-year operating cost of \$1,830,000 (in 2009 dollars) (Olsson Associates and AVI, P.C., 2008). The total annualized treatment cost would amount to more than \$2,500 per gallon of capacity, or \$0.64 per 1,000 gallons per year. For an average daily consumption of 175 gallons per capita per day (Manville's actual consumption is unusual and much higher than this), this minimal treatment for Manville's water would add about \$65 to the cost of water per tap per year. Manville residents paid \$180 per tap per year for unlimited use in 2007 (most recent data in the WWDC water system surveys). TDS for the Manville water is 390 mg/L. The capital and operating costs to treat a 347 gallon/minute supply with TDS up to 3,000 mg/L would be at least twice as much (HDR, 2000). Additional treatment cost estimates are in Petrotek (2008).

Alternate Sources of Water Supply: The Wasatch-Tongue River aquifer system provides an economic source of good quality water for current and future residents in the Christensen Ranch area. It is present at the surface throughout the interior portion of the Powder River Basin (Hinaman, 2005). In the area of

Christensen Ranch, the Wasatch-Tongue River aquifer is 2,200-2,400 feet thick and has approximately 60% sandstone (Lewis and Hotchkiss, 1981). This represents a large water resource. Lenticular sandstones and coals within the aquifer provide various yields (Feathers and others, 1981). Public water supply wells in the Wasatch-Tongue River aquifer in the Powder River Basin include those of Gillette and surrounding communities. Wright and Clearmont also have wells in the Wasatch-Tongue River. All domestic wells within the four townships surrounding the Christensen Ranch disposal wells obtain their water from the Wasatch-Tongue River aquifer.

The most prolific and sustainable water supply wells in Wyoming produce from Paleozoic sandstones and karst close to recharge areas on mountain flanks. The top of the Tensleep Sandstone (Minnelusa) is exposed on the flank of the Bighorn Mountains approximately 47 miles due west of the Christensen Ranch disposal wells. Kaycee (Table 5) obtains its water supply through an 11 mile pipeline to two wells completed in both the Tensleep and Madison aquifers on the flank of the Bighorn Mountains. Considering that both the Midwest-Edgerton and Gillette water systems currently obtain supplies through 42 mile pipelines and that Cheyenne has a 51 mile water supply pipeline, a similar pipeline could be economically more viable than deep wells if there is a major increase in population in the Christensen Ranch area in the future.

Surface water sources are also available to any future residents at Christensen Ranch. The 2002 basin plan for the Tongue and Powder River basins indicates that significant surface water remains available for appropriation. For example, it was estimated that "Wyoming's remaining allocation of available flow" in the Powder River under the Yellowstone River Compact is 74,300 acre-feet, based on the average of dry year flows (HKM Engineering, Inc., and others, 2002, Table III-33). The "short-list" of projects proposed for the Powder River Basin included Pumpkin Reservoir, which is near the confluence of the Powder River and Pumpkin Creek only 17 miles north of Christensen Ranch DW No. 1. The projected annual yield of the reservoir is 60,000 acre-feet (19.6×10^9 gal), enough to supply a population of 214,000 assuming an average per capita use of 250 gal/day. Wyoming's July 2009 population was estimated at 544,270 (Wyoming Economic Analysis Division, U.S. Census Bureau data, released June 2010). Other storage sites have been considered but are farther from Christensen Ranch.

Poor water quality currently makes the Powder River unattractive as a source of water. Powder River samples collected at Sussex (U.S. Geological Survey site 06313500) west of Christensen Ranch between Kaycee and the Pumpkin Reservoir site have TDS concentrations generally between 1,000 and 2,500 mg/L (range: 400-4,000 mg/L). However, this would make the Powder River more attractive than aquifers below the Lance. The current conflict between Montana and Wyoming over the impacts of coal-bed methane development to flows in the Tongue and Powder Rivers could affect plans to develop reservoir storage on the Powder River and its tributaries. Nonetheless, surface water sources near Christensen Ranch could be more economic than deep ground water sources as was the case for the nearby communities of Midwest and Edgerton (Worthington, Lenhart, and Carpenter, 1989, 1990, 1991), which access North Platte River water through a 42-mile pipeline. Midwest had previously been served by four Fox Hills wells approximately 1,000 feet deep with yields less than 50 gallon/minute and TDS concentrations of about 900 mg/L. Yields and water quality in the Fox Hills and deeper aquifers in the vicinity of the Christensen Ranch disposal wellfield would probably be worse than this and well costs would be several times higher due to the greater depths.

Rural residents have another economical alternative to a deep well water supply. Several water systems around the state sell bulk water, including those for Laramie, Lander, Douglas, and Gillette. Gillette's July

2009 bulk rates were \$6.00 for the first 2,000 gallons and \$5.00 for each additional 1,000 gallons. If a family of three used a below-average 100 gallons per day per person, as several Wyoming communities do, their monthly water demand would be 9,132 gallons per month and it would cost them about \$42.00 per month if they filled up a tank once per month. That is well within the range of monthly water costs for urban Wyoming residents although a tank, trailer, and fuel for hauling would be additional costs. In comparison, the annualized capital cost of a typical \$33,000, 800 feet deep domestic well that lasts 30 years would be \$1,100, or \$91.67 per month. Debt service (if any), well operation, and maintenance costs would be additional.

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Worthington, Lenhart and Carpenter, Inc., 1990, Level II - Pre-design report and cost estimates for the Edgerton-Midwest reverse osmosis plant: Wyoming Water Development Commission, Technical Report.

Worthington, Lenhart and Carpenter, Inc., 1991, Level II - Conceptual design report, Task 10, Downsizing of the Edgerton/Midwest water supply project: Wyoming Water Development Commission, Technical Report.

WDEQ released the draft permit for public comment on November 10, 2010. The public comment period is 30 days and comments will be forwarded to USEPA as they become available. Please review the draft permit and the basis for the groundwater classification contained in this letter and send your interim response within 45 days to John Passehl at the return address above. Thank you.

Sincerely,



George D. Langstaff
UIC Program, Water Quality Division

GDL/rm/10-1012

cc: Donna L. Wichers, Uranium One Americas, 907 N. Poplar St. Suite 260, Casper, WY 82601
Hal Demuth, Petrotek Engineering Corp., 10288 West Chatfield Ave., Suite 201
Littleton, CO 80127
John Passehl, UIC Geological Supervisor
Don McKenzie, Administrator, Land Quality Division

STATE OF WYOMING
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND INJECTION CONTROL PERMIT ISSUED UNDER
WYOMING WATER QUALITY RULES AND REGULATIONS
CHAPTER 13

CLASS I INJECTION WELL

() New
(X) Modified
County: Johnson

Permit Number: **10-219**
Previous: 00-340, 97-407, 95-241, 88-545
UIC Facility Number: WYS-019-011

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a)(iv), Laws 1973, Ch. 250, Section 1) and Wyoming Water Quality Rules and Regulations (WQRR) Chapter 13 (Ch13).

Applicant:

Uranium One USA, Inc.
907 N. Poplar St., Suite 260
Casper, WY 82601
(307) 234-8235

Uranium One USA, Inc., hereafter referred as the permittee, is authorized to continue to operate Christensen Ranch 18-3 and Christensen Ranch DW No. 1 and to drill, complete, and operate the proposed wells Christensen Ranch DW No. 2 and Christensen Ranch DW No. 3 according to the procedures and conditions of application 10-219 and to the requirements and other conditions of this permit. Issuance of a permit for a proposed well does not obligate the Department of Environmental Quality to approve injection if doing so would endanger human health or the environment or if the well does not comply with all the terms and conditions of this permit (13.8.e).

This permit replaces permit 00-340, which becomes void on the date of issuance of this permit.

The names Christensen Ranch 18-3, Christensen Ranch DW No. 1, Christensen Ranch DW No. 2, and Christensen Ranch DW No. 3 replace the previous names for the same wells: Christensen 18-3, Cogema DW No. 1, Cogema DW No. 2, and Cogema DW No. 3, respectively.

This is an area permit for four wells of the

Christensen Ranch Disposal Wellfield (Facility No. WYS-019-011).

No additional wells may be constructed under this permit without prior permit modification.

This permit shall become effective on the date of issuance and is valid for 10 years thereafter. Any proposed well not completed before expiration of this permit will not be included in a renewal or modification of this permit.

John Wagner, Administrator
Water Quality Division
Herschler Building 4-W, 122 West 25th Street
Cheyenne, WY 82002
(307)-777-7781

Date

John V. Corra, Director
Department of Environmental Quality
Herschler Building 4-W, 122 West 25th Street
Cheyenne, WY 82002

Date

GDL/rm/10-0999

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DRAFT

A. Discharge Zones

The disposal wells are authorized to inject into the Tullock Member of the Fort Union Formation and the Lance Formation within the intervals specified in Table 1:

Table 1. Discharge Zone(s)

Well Name	Surface Elevation	Depth to Top of Discharge Zone	Depth to Bottom of Discharge Zone	Gross Discharge Zone Thickness	Well Depth
Christensen Ranch 18-3	4,800 ft	3,998 ft	6,484 ft	2,486 ft	6,566 ft
Christensen Ranch DW No. 1	4,674 ft	3,808 ft	6,310 ft	2,502 ft	6,721 ft
Christensen Ranch DW No. 2 (proposed)	4,660 ft	3,800 ft	6,500 ft	2,700 ft	6,500 ft
Christensen Ranch DW No. 3 (proposed)	4,720 ft	3,800 ft	6,500 ft	2,700 ft	6,500 ft

Additional perforations may be installed in the existing wells within the intervals given above. Perforations in the proposed wells shall be restricted to the Tullock Member and Lance Formation within the given intervals. Perforations above or below the intervals in Table 1 require the prior written approval of the Administrator.

The confining zone above the discharge zone is the Lebo Member of the Fort Union Formation, which consists of about 35% fluvial sandstone and 65% floodplain claystone and siltstone and is approximately 1,400 feet thick.

B. Wells and Areas of Review

The wells authorized by this permit are located as shown in Table 2:

Table 2. Well Location(s)

Well Name	Legal Description	Lat./Northing	Long./Easting
Christensen Ranch 18-3	NE 1/4NW1/4 Section 18, T44N, R76W	43.79371 4,849,486*	106.04051 416,290*
Christensen Ranch DW No. 1	SE1/4NW1/4 Section 7, T44N, R76W	43.80339 4,850,563*	106.01018 416,329*
Christensen Ranch DW No. 2 (proposed)	SE1/4NE1/4 Section 7, T44N, R76W	43.80397 4,850,618*	106.03239 416,958*
Christensen Ranch DW No. 3 (proposed)	SW1/4SW1/4 Section 5, T44N, R76W	43.81236 4,851,541*	106.02295 417,728*

*UTM Zone 13, NAD83 (meters)

Sixteenth sections included in the Area of Review (Ch13, Sec5(b)(iv)(E)) are listed in Table 3.

Table 3. Legal Description(s) of the Area(s) of Review

Well Name	Quarter-Quarters	Section	Township
Christensen Ranch 18-3	SWSW, SESW, SWSE	7	T44N, R76W
	NWNE, SWNE, all NW	18	T44N, R76W
Christensen Ranch DW No. 1	NWNE, SWNE, all NW, NWSW, NESW, NWSE	7	T44N, R76W
Christensen Ranch DW No. 2 (proposed)	NESE, NWSE, all NE	7	T44N, R76W
	SWNW, NWSW	8	T44N, R76W
Christensen Ranch DW No. 3 (proposed)	all SW	5	T44N, R76W
	NENW, NWNW	8	T44N, R76W

Results of the area of review calculations (Ch13, Sec5(b)(iv)) are shown in Table 4. The area of review is based on the larger of: the radius of a pure waste cylinder, the radius of the cone of influence, or the minimum radius (Ch13, Sec5(b)(iv)).

Table 4. Area of Review

	Christensen Ranch 18-3	Christensen Ranch DW No. 1	Christensen Ranch DW No. 2 (proposed)	Christensen Ranch DW No. 3 (proposed)
Radius of Pure Waste Cylinder (ft)	690	670	510	510
Radius of Cone of Influence (ft)	2,020	2,920	2,370	2,370
Minimum Radius of Area of Review (ft)	1,320	1,320	1,320	1,320

To account for historical injection in Christensen Ranch 18-3 of approximately 4,200,000 bbl, the effects of pumping at a rate of 2,212 bbl/day from April 2, 2000 to May 30, 2005 were added to those of pumping at a rate of 2,571 bbl/day from October 1, 2010 to October 1, 2030. To account for historical injection in Christensen Ranch DW No. 1 of approximately 4,500,000 bbl, the effects of pumping at a rate of 2,285 bbl/day from April 1, 2000 to August 30, 2005 were added to those of pumping at a rate of 2,571 bbl/day from October 1, 2010 to October 1, 2030. For the proposed wells, an injection rate of 3,429 bbl/day and a project life of 20 years were assumed.

Wells which penetrate the confining zone, are within the radius of influence (Table 4), and do not have a documented cement plug in the borehole and in the borehole - casing annulus (if

cased) between the top of the discharge zone and the next overlying aquifer are potentially endangering. They are listed in Table 5.

Table 5. Wells Penetrating the Confining Zone Within the Area of Review of Christensen Ranch DW No. 1

Well Name	API No.	Location	Total Depth	Casing Depth	Status	Distance
TMU H-7-B	19-20422	7, T44N, R76W	9,800	9,782	Producer	1,300 ft

If the radius of influence calculations (Section I) indicate that it would take less than one year of continued injection before the hydraulic head at the top of the discharge zone in any well in Table 5 would equal the density-equivalent hydraulic head of the fluid in the well, the permittee shall cease injection or reduce the maximum injection rate to a rate approved by the Administrator. If the well fluid density is not documented, a mud with a density of 9.0 pound/gallon shall be used for the calculations. Alternatively, the permittee may submit a corrective action plan which, after approval or modification by the Administrator, shall be incorporated as a permit condition (Ch13, Sec5(b)(x)).

C. Groundwater Classification

The groundwaters in the Tullock Member aquifer of the Fort Union Formation and in the Lance Formation aquifer system within the largest radii specified in Table 4 for each disposal well and with upper and lower boundaries defined by the discharge zones in Table 1 are classified as Class VI according to Water Quality Rules and Regulations (WQRR), Chapter 8. This classification was made for the following reason(s):

- The depth and location make use of the water economically and technologically impractical (WDEQ-WQRR Chapter 8, Section 4.d.ix.C).

Groundwaters in all aquifers below the discharge zone are similarly classified as Class VI because the depths and locations also make use of these waters economically and technologically impractical.

D. Authorized Operations

Well Design – Injection shall be conducted through tubing which has been secured by a packer set below the top of the confining zone and within 500 feet of the top of the authorized discharge zone (Table 1) and within a zone of good quality cement bond (Ch13, Sec9(d)(xxv)). The tubing shall be isolated from the long string casing by an annulus filled with corrosion-inhibiting fluid.

Injection Rates - Each well is allowed the maximum instantaneous injection rate shown in Table 7 provided that the surface pressure limitations are not exceeded. The permittee shall set an alarm or kill switch to prevent injection above the permitted rate.

Permitted Wastes - Wastes to be injected are described as follows:

- Liquid waste generated by uranium mining using in-situ leaching at the Christensen Ranch and Irigaray Ranch mine facilities (as defined in the Land Quality Division Permit to Mine No. 478) including operation bleed streams, yellowcake wash water, sand filter and ion exchange wash water, on-site laboratory waste water, reverse osmosis brine, groundwater restoration and groundwater sweep solutions, plant washdown water, wash waters used in cleaning or servicing the waste disposal system equipment, and storm water at the mine facilities, and
- Fluids produced during the drilling, completion, testing, or stimulation of wells or test holes related to mining operations at the Christensen Ranch and Irigaray Ranch mine facilities; or during the workover or abandonment of any such well; and drilling equipment wash water.

North American Industry Classification System (NAICS) – 212291

The radionuclide-bearing waste produced at this facility by in-situ uranium mining has been defined by the Atomic Energy Act as Section 110.(2) byproduct material and is regulated by the Nuclear Regulatory Commission (NRC) under Title 10 Code of Federal Regulations Part 40. It is not “solid waste” according to Title 40 Code of Federal Regulations Part 261.4(a)4 and is consequently not hazardous waste. Because Wyoming is a “non-agreement” state, the NRC retains jurisdiction over in-situ mining wastes and the permittee shall not use the injection wells for waste disposal without the proper NRC license.

Waste disposal is prohibited until the requirements for financial assurance (Section P) have been met.

The expected concentrations for selected chemical species in the waste are listed in Table 6.

Table 6. Water Quality of the Discharge

	Units	Maximum	Minimum
Sodium	mg/L	7,500	500
Bicarbonate	mg/L	7,500	1,000
Sulfate	mg/L	12,000	250
Chloride	mg/L	1,200	100
pH	s.u.	9.0	6.0
Total Dissolved Solids (TDS)	mg/L	25,000	4,000
Uranium	mg/L	15	0.2
²²⁶ Radium	pCi/L	1,700	200

Permission to discharge other non-hazardous waste may be authorized through a minor permit modification (Ch13, Sec8(d)(v)). Additional monitoring may be required for additional waste types.

Permitted Corrosion Inhibitors, Anti-Scalants, and Biocides - Corrosion inhibitors, anti-scalants, and biocides may be added to the waste stream with the prior written approval of the Administrator.

Injection Pressure - The injection pressure in each injection well shall be limited to the fracture pressure of the receiver except as necessary during well stimulation approved by the Administrator (Ch13, Sec9(d)(ii)). Permit limits for the existing wells and temporary limits for the proposed wells are listed in Table 7. The temporary limit applies until recalculation of the parameters in Table 7 following completion of a step-rate injection test. Exceeding the limiting surface injection pressure (LSIP) in Table 7 or creating or propagating fractures within the receiver or confining zone once waste disposal has commenced are violations of this permit and shall be reported pursuant to Section K of this permit. A kill switch shall be installed on the injection tubing and set to preclude violations of LSIP limits.

For each proposed well, the permittee shall conduct a step-rate injection test within one year of permit issuance to determine the actual fracture pressure of the receiver (Ch13, Sec9(d)(ii)). For wells which have not been constructed within one year of permit issuance, a step-rate injection test shall be required before waste injection is allowed. Such tests shall be conducted using both surface and down hole pressure gauges or transducers. The down hole device shall be placed within one hundred vertical feet of the packer. For a conclusive result, at least three of the injection rate steps below the fracture threshold will be colinear. Upon completion of the test, the permittee shall recalculate the maximum surface injection pressure (MSIP) and LSIP.

If the recalculated LSIP is greater than the temporary LSIP in Table 7, the permittee must obtain the approval of the Administrator before operating the well at a pressure above the temporary LSIP. If the recalculated LSIP is less than the temporary LSIP in Table 7, the permittee must cease injection and not restart discharge until the wellhead pressure can be maintained below the recalculated LSIP. The permittee may conduct additional step-rate injection tests at its discretion to refine estimates of MSIP as injection continues. Step-rate data, analyses, and interpretations shall be submitted to the Administrator within thirty days of completion of the test or with the next quarterly report, whichever is later.

Annulus Pressure - The annulus between the injection tubing and the long string casing shall be filled with a corrosion-inhibiting fluid and be monitored and maintained in a way that allows reliable leak detection. The annulus pressure shall be maintained within the limits set in Table 7. During periods of continuous injection, the annulus pressure should be reasonably constant but large variations in pressure are permissible during startup and shutdown. The permittee shall set alarms or use daily observations to detect increases or decreases in annulus pressure and shall cease injection and shut the well in if a pressure change indicates the possibility of a loss of mechanical integrity. Interpretations of pressure changes shall take into account annulus pressure changes due to variations in temperature of the injected and annulus fluid.

New Well Construction - The permittee shall obtain written acceptance of financial assurance from WDEQ prior to construction of each of the proposed wells.

Any well stimulation activities require prior approval by the Administrator.

The packer at the bottom of the tubing shall be set below the top of the confining zone and within 500 feet of the top of the authorized discharge zone (Table 1) for each well and within a zone of good quality cement bond as shown by a cement bond log (Ch13, Sec9(d)(xxv)).

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Table 7. Maximum Injection Rates, Annulus Pressures, and Maximum and Limiting Surface Injection Pressures (MSIP, LSIP)

	Christensen Ranch 18-3	Christensen Ranch DW No. 1	Christensen Ranch DW No. 2 (proposed)	Christensen Ranch DW No. 3 (proposed)
Maximum Annulus Pressure (psig)	800	800	800	800
Minimum Annulus Pressure (psig)	200	200	200	200
Injection Rate at Fracture, R_f (bbl/day)	4,133 [^]	4,133	-	-
Maximum Injection Rate (bbl/day) $R_m = 0.9 \cdot R_f$	3,720 [^]	3,720	4,286	4,286
Depth to Gauge or Top of Perforations, D_p (ft)	3,820 [^]	3,820	3,820	3,820
Fracture Pressure, P_f (psig)	2,975	2,975	2,292*	2,292*
Fracture Gradient, (psi/ft) $F = P_f/D_p$	0.779	0.779	0.60*	0.60*
Temperature in Tubing (°F)	75	67	70	70
Maximum Total Dissolved Solids of Injectate (mg/L)	20,000	20,000	20,000	20,000
Density of Injectate, ρ_i (g/cm ³)	1.0124	1.0136	1.0131	1.0131
Injectate Fluid Gradient (psi/ft)	0.4390	0.4394	0.4392	0.4392
$grad_j = \rho_i \cdot 12 \frac{in}{ft} \cdot 16.387 \frac{cm}{in^3} / 453.592 \frac{g}{lb}$				
MSIP = $P_f - (D_p \cdot grad_j)$ (psig)	1,298	1,296	614	614
LSIP = $0.9 \cdot MSIP$ (psig)	1,169	1,167	553#	553#

[^]Formation didn't fracture during test; data for Christensen Ranch DW No. 1 applies.

*Calculated from the assumed fracture gradient.

#Applies for the first year after permit issuance or until a new LSIP has been approved after the step-rate injection test; if the well is not drilled within one year of permit issuance, a step-rate injection test is required before waste injection.

Injection into a well may not begin until:

1. Well construction is complete (Ch13, Sec9(d)(xxix)); and
2. The permittee has submitted a well completion and testing report and the "Notification of Construction Completion of Injection Well" (available on the WQD - UIC Program web site - <http://deq.state.wy.us/wqd/groundwater/uicprogram/index.asp>) for a newly constructed or modified well; and
3. The permittee has provided the Administrator with sufficient notice to allow for inspection of the well (Ch13, Sec9(d)(xxiv)); and
4. Mechanical integrity of the well and cement bonding of the long string casing have been proven or demonstrated to the satisfaction of the Administrator; and
5. The permittee has demonstrated financial assurance (Ch13, Sec17(a)); and
6. The permittee has received written approval from the Administrator to begin injection.

E. Prohibitions

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

No person shall conduct any authorized injection activity in a manner that results in a violation of any permit condition or representations made in the application (Ch13, Sec18(b)(i)).

No person shall conduct any authorized injection activity in a manner that results in a movement of fluids out of the receiver (Ch13, Sec18(b)(ii)).

No zone or interval other than the discharge zone shall be used as a receiver for the discharge (Ch13, Sec18(b)(ii)(A)).

No uncased hole may be used as a conduit for the discharge, except that portion of a hole within the discharge zone (Ch13, Sec18(b)(ii)(B)).

No annular space between the wall of the hole and the outer casing may be used as a conduit for discharge, except in that portion of the space within the discharge zone (Ch13, Sec18(b)(ii)(C)). The annular space may receive fluids used in cementing casing during the cementing process.

No person shall construct, install, modify, or improve this authorized injection facility except in compliance with this permit (Ch13, Sec18(b)(iii)).

F. Operation and Maintenance

Each injection well shall be constructed, operated, and maintained to prevent movement of fluid from the well into any USDW (Ch13, Sec11(a)).

The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes mechanical integrity of the well, effective performance, adequate funding, operator staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit (Ch13, Sec9(d)(vi)).

The permittee is required to operate the facility in accordance with statements, representations and procedures presented in the complete permit application and supporting documents as accepted and approved by the Administrator. If such procedures conflict with those in this permit, the conditions in this permit shall take precedence (Ch13, Sec18(b)(i)).

Measuring and recording devices shall be tested and calibrated at a frequency sufficient to ensure accurate and precise measurements. A record of the date of the most recent calibration or maintenance shall be retained at the well site.

G. Entry and Inspection

The permittee shall allow the Administrator, or an authorized representative of the Administrator (upon presentation of credentials and during normal working hours) to enter the premises where a regulated facility is located, or where records are kept under the conditions of this permit; to inspect and photograph the discharge and related facilities and equipment; to review and copy reports and records required by this permit; to collect fluid samples for analysis; to measure and record pressures and water levels; to observe and record data from monitoring equipment; and to perform any other function authorized by law or regulation (Ch13, Sec9(d)(xii)).

Inspectors shall not be required by the permittee to sign any waiver of liability.

H. Environmental Monitoring Program for Groundwaters of the State

The permittee shall furnish the Administrator any information necessary to establish a monitoring program if requested to do so (Ch13, Sec9(d)(xiii)).

No groundwater monitoring program under this permit, other than that described in Section I, is required because of the reduction in risk of pollution due to the depth and confinement of the receiver aquifers (Ch13, Sec13(a)(ii)).

I. Monitoring Requirements

1. The permittee shall retain records of all monitoring information (Ch13, Sec9(d)(xiv)) including all calibration and maintenance records and all original chart recordings for a period of three years after closure of the facility (Ch13, Sec15(g)), at which time the permittee shall notify the Administrator and either deliver the records to WQD or discard them as directed by the Administrator.

2. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The name(s) of individual(s) who performed the sampling or measurements;
 - c. The types of sample containers used, methods of preservation, and holding times;
 - d. The date(s) analyses were performed;
 - e. The name(s) of individual(s) who performed the analyses;
 - f. The analytical techniques or methods used;
 - g. The results and precision of such analyses.
3. For any new well or newly perforated zone within an existing well, the permittee shall collect a baseline groundwater quality sample from each aquifer within the new discharge zone (Ch13, Sec13(a)) and submit results for all the analytes and parameters in Table 1, WDEQ-WQRR Chapter 8, and for the entire suite of volatile organic compounds listed for EPA method 624 prior to waste injection. The methods and procedures for sample collection and analysis must be approved by the Water Quality Division prior to sampling.
4. For any new well, the permittee shall collect at least two measurements of hydraulic head (or fluid density and pressure) within sandstones in the lower 500 feet of the Lebo Member of the Fort Union Formation.
5. Operational Monitoring (Ch13, Sec13(b)(ii)).

Injection Pressure - The permittee shall measure the injection pressure continuously and record the readings on a strip chart recorder, a circular chart recorder, or electronically (Ch13, Sec13(i)).

Injection Rate and Volume - The permittee shall measure the injection rate and volume continuously and record both on a strip chart recorder, circular chart recorder, or electronically (Ch13, Sec13(i)).

Annulus Pressure - The permittee shall measure the pressure of the casing - tubing annulus continuously and record the pressures on a strip chart recorder, a circular chart recorder, or electronically (Ch13, Sec13(i)).

Discharge Zone Reservoir Pressure, Reservoir Boundaries or Anomalies, Permeability, and Skin Factor - The permittee shall shut-in at least 50% of the completed wells covered by this permit annually (1 of 2, 2 of 3, or 2 of 4 wells) for a period of time long enough to observe a valid pressure fall-off curve (Ch13, Sec13(e)). For the first test, the minimum duration of injection and fall-off shall be calculated according to the equations on page A-4 of the "UIC Pressure Falloff

Testing Guideline" (USEPA Region 6, August 2002), or the equivalent equations in subsequent editions. Durations for subsequent tests shall be longer than wellbore storage and skin effects and sufficient for persuasive analysis and accurate estimates of transmissivity. Tests shall be analyzed by the permittee using commonly accepted methods to obtain transmissivity, permeability, and skin factor and to identify reservoir boundaries (including flow in fractures) and other anomalies such as partial penetration or layering. The test method chosen should be justified by a review of relevant assumptions and actual well and aquifer conditions. Along with the analysis and interpretation, the permittee shall submit plots of injection rate, pressure, and the pressure derivative versus time on appropriate graphs. If the method used differs from previous methods used for the same well, the analyst should discuss the comparability of the results.

Digital data, results, analyses, and interpretations for the fall-off test shall be submitted to the Administrator at the address in paragraph K.6 within one month or with the next quarterly report after the test is done, whichever is later (Ch13, Sec15(f)). These data shall include pressures starting with the introduction of the pressure-measuring device into the well (or for at least one hour prior to test start for a permanently installed down hole device); and injection rates starting at least twice the fall-off period before the start of the fall-off test.

Radius of Influence - The results of each pressure fall-off test shall be used to update the radius of influence calculation for each discharge zone (Table 13). These annual updates shall account for historical injection and remaining project life. The permittee shall provide a map showing the updated radius of influence and all wells which penetrate the confining zone within the old and new radii of influence.

If the updated radius of influence encompasses wells not previously identified as within the area of review, construction and plugging and abandonment records for those wells shall be submitted to the Administrator.

For each potentially endangering well which lies within the updated radius of influence, the permittee shall calculate the expected hydraulic head increase at the end of the project life (20 years) due to all disposal wells close enough to significantly affect hydraulic head at the well location. For those wells in which $[\rho_m \cdot H_m / \rho_i] \leq H_i$ (where H_m is the hydraulic head in a borehole filled with mud of known density, or with 9.0 pound/gallon mud if mud density is unknown, H_i is the final expected hydraulic head in the injection zone, ρ_m is the density of the mud, and ρ_i is the density of the fluid in the injection zone; i.e., "W/G \leq B", Ch13, Sec5(b)(iv)(A)), the permittee shall also calculate how long injection could continue at the permittee's proposed rate, or at the maximum monthly injection rate during the prior year, before $[\rho_m \cdot H_m / \rho_i] = H_i$ at the well location. If any calculated time is less than one year, the permittee shall cease injection, reduce the injection rate(s) to new limits approved by the Administrator, or submit a corrective action plan to prevent movement of fluid into any USDW through a potentially endangering well. Upon approval by the Administrator, this plan shall be incorporated as a permit condition (Ch13, sec5(b)(x)).

Radius of influence calculations, figures, and interpretations shall be submitted to the Administrator at the address in paragraph K.6 within thirty days of the annual pressure fall-off test or with the next quarterly report after the test is done, whichever is later (Ch13, Sec15(f)).

Physical and Chemical Properties of the Injectate - The permittee shall measure the quality of the injectate quarterly (Ch13, Sec15(c)(v)), and when significant process changes occur, and when operating changes may significantly alter the waste stream (Ch13, Sec13(h)). The samples must be representative of the waste as it enters the disposal well and include any anti-scalants, biocides, or other additives. If any group of wells receives waste from the same pipe exiting the uranium processing plant, a single sample may be collected for that group from that pipe rather than at individual well locations. Table 8 lists the analytes and parameters to be determined quarterly. WQD may approve alternate methods to those listed in Table 8 upon receipt of a written request describing the procedures, precision, and accuracy of the proposed method and a comparison of the proposed method with that in Table 8.

The first three parameters in Table 8 shall be measured at the sample site(s) unless other methods are approved by the Administrator. The other analyses shall be performed by an EPA-certified laboratory.

Table 8. Analyte and Parameter List for Quarterly Analyses of Injectate

EPA Analytical Method	Analyte or Parameter	CAS Number
SM2550 B	Temperature	None
120.1 or SM2510 B	Specific Conductance at 25 C	None
SM4500-H ⁺ B	pH	None
none listed	Specific Gravity	None
160.1 or SM2540 C	Total Dissolved Solids	None
SM2320 B	Bicarbonate	71-52-3
SM2320 B	Carbonate	3812-32-6
300.0 or 300.1	Chloride, Total	16887-00-6
300.0, 300.1, or 375.2	Sulfate, Total	14808-79-8
SM4500-S2-D, SM4500-S2-G	Hydrogen Sulfide	7783-06-4
200.5, 200.7, or 200.8	Arsenic, Total	7440-38-2
200.7 or 200.8	Selenium, Total	7782-49-2
200.7 or 200.8	Vanadium, Total	7440-62-2
908.1 or 200.8	Uranium, Total	7440-61-1
903.1	²²⁶ Radium (picoCuries/liter)	7440-14-4

Note: Methods preceded by "SM" are standard methods.

Limiting Concentrations of Injectate - Analyte and parameter limits for this permit are listed in Table 9. pH has both upper and lower control limits and concentrations must remain within the range indicated in Table 9. Exceedances of these values are a violation of this permit and require notification under Section K of this permit.

Table 9. Control Limits for Injected Waste

Analyte or Parameter	Upper Control Limit
pH	2.0 > pH < 11 s.u.

J. Sampling and Test Procedures

The following units are to be used where applicable: pounds (mass) per square inch for pressure with gage or absolute pressure noted (psig or psia); standard oil field barrels (bbl, equivalent to 42 gallons) for fluid volume; standard oil field barrels per day (bbl/day) for fluid flow rates; milligrams per liter (mg/L) for analyte concentrations, except for pH, which is to be reported in standard logarithmic units (s.u.) and except for radium, radioactive strontium isotopes, and gross alpha particle radioactivity, which are to be reported in picoCuries per liter (pCi/L). The permittee may report equivalent quantities in other units in addition to those above.

Procedures and methods for sample collection and analyses shall be implemented by the permittee to ensure that the samples are representative of the groundwater, water, or waste being sampled (Ch13, Sec14(a)).

A trip blank of distilled water shall be collected for each quarterly sampling date and a duplicate sample shall be collected at least once per year. Blank and duplicate results and chain-of-custody forms shall be included in the quarterly reports.

Procedures for mechanical integrity tests are described in Section M.

Procedures for pressure fall-off tests are described under Operational Monitoring in Section I.

Procedures for step-rate injection tests are described under Injection Pressure in Section D.

K. Records and Reports

1. Record Retention - The permittee shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit until the permit expires. As described in Section I.2, monitoring records shall be retained for three years after well closure (Ch13, Sec15(g)).
2. Electronic Data Deliverable (EDD) Reporting - The permittee shall use EDD reporting if required by the Administrator.
3. Compliance Schedule Reports - If a compliance schedule is required by the Administrator, reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any such schedule shall be submitted no later than thirty days following each schedule date (Ch13, Sec9(d)(xx)).
4. Noncompliance Event Reports - See Section S.
5. Other Noncompliance Reports - The permittee shall report all instances of noncompliance not reported otherwise and submit the information listed for the written report in Section S with the next quarterly report (Ch13, Sec9(d)(xxii)).
6. Quarterly Reports - Quarterly reports shall be submitted to the Administrator no later than 30 days after the end of each calendar quarter (Ch13, Sec15(a) and 15(c)). The mailing address is: UIC Program Supervisor, DEQ - Water Quality Division, Herschler

Building – 4W, 122 W. 25th St., Cheyenne, WY 82002. The quarterly results shall also be submitted online at <https://gem.trihydro.com> within 45 days of the end of quarter. The written quarterly report for each well shall include the following information:

- a. The minimum, volume-weighted average, and maximum instantaneous injection rates for each well for each month of the quarter. The page showing the maximum injection rates shall also show the maximum permitted injection rate for comparison.
 - b. The minimum, average, and maximum daily injection pressures for each well for each month of the quarter (Ch13, Sec15(c)(i)). The table or graph showing the maximum injection pressures shall also show the maximum permitted injection pressure for comparison and the pressures at which any alarms or kill switches are activated.
 - c. The total injection volume in barrels for each month of the quarter, the total for the quarter, and the total cumulative volume of waste injected to date (Ch13, Sec15(c)(iv)).
 - d. The maximum and minimum annulus pressures for each month of the quarter. The table or graph showing the annulus pressures shall also show the pressures at which any alarms or kill switches are activated.
 - e. Any quarterly analytical results required by Section I of this permit (Ch13, Sec15(c)(v)). Sample collection dates should allow ample time to receive analytical results prior to reporting deadlines.
 - f. Any permit exceedances within the quarter.
 - g. Any events that triggered alarms or shutdowns and the responses taken during the quarter shall be fully described (Ch13, Sec15(c)(iii)).
 - h. Any well tests conducted more than thirty days before the end of the quarter (e.g., mechanical integrity, pressure fall-off, or step-rate injection) (Ch13, Sec15(f)) and reports of well workovers (Ch13, Sec15(c)(vi)). See also paragraph K.8.
7. Annual Reports - Annual reports shall be submitted to the Administrator at the same address as the quarterly reports. They are due no later than thirty days after the end of each calendar year (Ch13, Sec15(c)). The annual report for each well shall include the following information in addition to that required for the quarterly report:
- a. A graphical representation of the injection pressures and volumes for the previous five year's operation and a digital file (e.g., .csv, .txt., .xls, .xlsx) containing these data. The graph shall have calendar dates as the abscissa and pressure and volume as the ordinates.

- b. Graphical representations of the quality of the injected waste over time and a digital file (e.g., .csv, .txt, .xls, .xlsx) containing these data. The graphs shall show the injectate quality for the previous five year's operation and shall be prepared on scales appropriate to the variation observed.
8. Well Tests – Reports of well tests conducted less than thirty days before the end of a calendar quarter shall be submitted within thirty days of test completion (Ch13, Sec15(f)). Otherwise, they shall be submitted with the next quarterly report (see paragraph K.6.h).
9. Reports for Aborted Operations - A comprehensive report for any aborted or curtailed operation, which results in the complete termination of discharge or associated activity, shall be submitted to the Administrator within thirty (30) days of termination in lieu of an annual report (Ch13, Sec15(d)).
10. Reports of Plugging and Abandonment – A report of plugging and abandonment (Section N) shall be submitted as soon as practicable after a well is plugged (Ch13, Sec9(d)(xxvii)).
11. Well Completion Report – A report of well construction, completion, and testing and “Notification of Construction Completion of Injection Well” shall be submitted prior to injection into a new or modified well (see New Well Construction in Section D).
12. Step-rate Injection Test Report - A step-rate injection test is required within one year of permit issuance (Ch13, Sec9(d)(ii)) or at the time of well completion and prior to commercial injection.

L. Permit Conditions

This permit is issued for a period of ten years (Ch13, Sec9(a)). If the permittee wishes to continue injection after the expiration date of this permit, he should apply to the Administrator at least four months prior to the expiration date of this permit (Ch13, Sec9(d)(iii)).

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit (Ch13, Sec9(d)(iv)).

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

The filing of a request by the permittee, or at the instigation of the Administrator, for permit modification, revocation, or termination, or the notification of planned changes or anticipated noncompliance shall not stay any condition of this permit (Ch13, Sec9(d)(ix)).

After notice and opportunity for a hearing, the Administrator may modify or revoke a permit, in whole or in part, during its term for cause. Causes include, but are not limited to, the following:

1. Noncompliance with terms or conditions of this permit (Ch13, Sec8(e)(i));
2. Failure in the application or during the issuance process to disclose fully all relevant facts, or misrepresenting any relevant facts at any time (Ch13, Sec8(e)(ii)); or
3. Failure of the casing, cement, or the confining layer; or
4. A determination that the activity endangers human health or the environment and can only be regulated to acceptable levels by a permit modification or termination (Ch13, Sec8(e)(iii)).

Permits will be automatically terminated after closure and release of financial responsibility by the Administrator (Ch13, Sec8(i)).

This permit will be reviewed by WQD at least once every five (5) years, and may be reviewed more frequently (Ch13, Sec9(b)). Permits that do not satisfy the review criteria are subject to modification, revocation and reissuance, or termination (Ch13, Sec9(c)).

The conditions in this permit supersede any application content (Ch13, Sec18(b)(i)).

M. Mechanical Integrity

Mechanical integrity shall be maintained continuously and tested at intervals of no longer than five years. The test used to determine mechanical integrity shall be a two part test approved by the Administrator (Ch13, Sec9(d)(vii)). The two parts shall be conducted no more than 90 days apart unless prior approval is obtained from the Administrator.

Part I of the mechanical integrity test shall demonstrate the absence of leaks through the packer, tubing, casing, and wellhead (Ch13, Sec9(d)(vii)(A)). Prior to operational injection and at least once every five (5) years the casing-tubing annulus of each well shall be pressure tested to 1.5 times the LSIP (as measured at the surface). A pressure change of less than 10% after thirty (30) minutes shall be considered successful. The minimum passing annulus pressure test is derived from the following formula: $LSIP * 1.5 * 0.9$.

Part II of the mechanical integrity test shall demonstrate the absence of fluid movement behind the casing (Ch13, Sec9(d)(vii)(B)) above the topmost perforation. Prior to the commencement of waste injection and at intervals of no longer than five years thereafter, and more frequently if required by the Administrator, each well shall be logged using a radioactive tracer survey and a temperature survey. The static temperature log shall start more than two hours, and preferably more than 24 hours for an active well, after injection has ceased.

Other types of logs may be substituted for Part II of the mechanical integrity test if they satisfy Chapter 13, Section 9. (d) (vii) and are approved by the Administrator.

WQD shall be notified a minimum of 30 days prior to a mechanical integrity test.

Data, results, analyses, and interpretations for the tests shall be submitted to the Administrator at the address in paragraph K.6 within thirty days or with the next quarterly report after the test is done, whichever is later (Ch13, Sec15(f)).

In the case of a failed mechanical integrity test in a well that has begun waste disposal, the well shall be immediately shut-in (Ch13, Sec9(d)(viii)). The Administrator shall be notified by telephone at (307) 777-7781 within twenty-four hours of the test and a written report shall be submitted within seven days. Injection shall not resume until the well has been repaired, a complete mechanical integrity test has been passed, and written permission to resume operation has been obtained from the Administrator.

If at any time injection occurs in any zone not within the discharge zone, a permit violation has occurred. The operator shall prepare an estimate of the volume and quality of all wastewaters which were injected outside of the discharge zone. In the case where any aquifer meeting the standards for Class I through IV(A) under Wyoming Water Quality Rules and Regulations, Chapter 8, has been contaminated due to out of zone injection, the operator shall prepare and implement a plan to recover these solutions. Injection shall not resume until the well has been repaired, a complete mechanical integrity test has been passed, and written permission to resume operation has been obtained from the Administrator.

N. Plugging and Abandonment

Any well under this permit shall be plugged and abandoned within six months after:

- Permit expiration (unless application for a new permit has been made and has not been denied by the Administrator);
- Final cessation of injection activities; or
- The permittee has removed equipment required for the proper operation and monitoring of the well (except for temporary removal during well maintenance).

The permittee shall notify the Administrator of plans to convert or abandon a well at least 90 days prior to the start of any conversion or abandonment activity (Ch13, Sec9(d)(xxvi)). The permittee shall follow the plugging and abandonment procedure described in the application or subsequently prescribed by the Administrator. Well plugging shall meet the requirements of Chapter 11, Section 65 for sealing the well annulus and of Chapter 11, Section 70(c) for sealing within casing. In no case shall the procedure be less stringent than that required by USEPA for Class I non-hazardous waste disposal wells at the time of abandonment (e.g., Title 40 Code of Federal Regulations Part 146.10)

As soon as practicable after plugging and abandonment of any well covered by this permit, the permittee shall submit a plugging and abandonment report describing all activities and detailing any deviations from the original plan (Ch13, Sec9(d)(xxvii)).

O. Duties of the Permittee

Duty to Comply - The permittee shall comply with all conditions of this permit (Ch13, Sec9(d)(i)), all rules and regulations of the Department of Environmental Quality, and all

applicable state and federal laws. Nothing in this permit relieves the permittee of any duties under applicable regulations.

Duty to Mitigate - The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit (Ch13, Sec9(d)(v)).

Duty to Give Notice of Changes - The permittee shall give advance notice to the Administrator as soon as possible of any planned physical alteration or additions, other than authorized operation and maintenance, to the permitted facility and receive authorization prior to implementing the proposed alteration or addition (Ch13, Sec9(d)(xvi)).

Duty to Warn of Noncompliance - The permittee shall give advance notice to the Administrator of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements (Ch13, Sec9(d)(xvii)).

Duty to Provide Information for Permit Modification - The permittee shall furnish the Administrator within a reasonable time, any information which the Administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit (Ch13, Sec9(d)(xi)).

Duty to Provide Records - The permittee shall furnish the Administrator, upon request, copies of records required to be kept by this permit (Ch13, Sec9(d)(xi)).

Duty to Amend Permit - Any modification that will result in a violation of any permit condition shall be reported to the Administrator through the submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued (Ch13, Sec9(d)(xvii)).

Duty to Correct - The permittee shall report all instances where it becomes aware that it failed to submit any relevant facts in the permit application, or where it submitted incorrect information in a permit application or in any report to the Administrator, and shall promptly submit such facts or information (Ch13, Sec9(d)(xxiii)).

Duty to Monitor - Monitoring results shall be obtained and reported at the intervals specified elsewhere in this permit (Ch13, Sec9(d)(xix)).

Duty to Test - Test results shall be obtained and reported at the intervals specified elsewhere in this permit.

Duty to Provide Current Contact Information - The permittee shall report any changes to physical or mailing address, phone, or email, and any changes of the personnel responsible for complying with this permit to WQD within 30 days of the change.

P. Financial Responsibility

The permittee is required to maintain financial assurance, in a form approved by the Administrator, to close, plug, and abandon the injection well operation and to reclaim the surface facilities in a manner approved by the Administrator (Ch13, Sec17(a)).

The obligation to maintain financial responsibility survives the termination of the permit or the cessation of injection (Ch13, Sec17(c)).

If the institution issuing the financial instrument files for bankruptcy or loses its authority to issue financial instruments, the permittee shall notify the Administrator within 14 days and obtain other financial assurance within 60 days. If the permittee is named as debtor in any voluntary or involuntary bankruptcy proceeding, it must notify the Administrator within 14 days.

The bond for reclamation and restoration of the Christensen Ranch and Irigaray Ranch mine facilities under the Land Quality Division Permit to Mine No. 478A shall be increased from the amount in the August 2009-August 2010 annual report to a minimum of \$99,190 for plugging and abandonment of each existing well prior to the use of any well for waste disposal. This bond or replacement financial instrument shall be maintained as long as any of the wells are covered under this permit.

The financial assurance will be re-evaluated during the five-year review, or more frequently if required by the Administrator, and the permittee may be required to increase the amount in order to account for inflation (Ch13, Sec9(b)).

Construction of Christensen Ranch DW No. 2 or Christensen Ranch DW No. 3 may not begin until the mine reclamation and restoration bond has been increased to cover plugging and abandonment costs for the new well(s) or a separate financial instrument has been obtained by the permittee and accepted by the Administrator.

Q. Special Permit Conditions

In addition to the conditions required of all permits, the Administrator may establish specific conditions so as to prevent the migration of fluids into USDWs (Ch13, Sec9(e)). The following special conditions are established for this permit:

- none

R. Signatories Requirement

All reports filed in conjunction with this permit shall contain the following certification (Ch13, Sec9(d)(xv)):

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." (Ch13, Sec5(c)(xv))

All reports required by this permit and other requested information shall be signed by a responsible officer as described in WQRR Chapter 13, Section 5(b)(xiv));

or

By a duly authorized representative. A person is a duly authorized representative only if:

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

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

S. Noncompliance

Any permit noncompliance constitutes a violation of WQRR Chapter 13 and is grounds for enforcement action, permit termination, revocation or modification. Confirmed noncompliance resulting in a migration of injected fluid outside the discharge zone shall be reported to the Administrator at (307) 777-7781 within twenty-four (24) hours from the time the permittee becomes aware of the circumstances and a written report shall be provided within five days (Ch13, Sec9(d)(xxi)).

The oral report should include:

- a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a useable groundwater of the state.
- b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between useable groundwaters of the state.

The written report should include:

- a. A description of the noncompliance and its cause;
- b. The period of noncompliance, including exact dates and times;
- c. If the noncompliance has not been corrected, the anticipated time it is expected to continue; and
- d. Steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance (Ch13, Sec9(d)(xxi)).

T. Permit Transfer

Any transfer of this permit shall be accomplished by the submission of the proper forms for permit transfer to the Administrator. Transfer of this permit must be approved by the Director and the Administrator and no transfer shall be approved unless the proposed permittee agrees to correct any and all noncompliance issues (Ch13, Sec9(d)(xviii) and Ch13, Sec8(k)).

The permittee is alone responsible for the operation of the facility covered by this permit. Operation of this facility by another entity is a violation of this permit unless a transfer of this permit has first been accomplished.

U. Property Rights

This permit does not convey any property rights or any exclusive privileges. This permit does not authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations (Ch13, Sec9(d)(x)).

The state of Wyoming recently passed Wyoming statute §34-1-152 and amended Wyoming statute §34-1-202 regarding the ownership of pore space within the subsurface. WDEQ recommends that permittees consider how these laws may apply to their injection of material into the subsurface.

V. Severability

The provisions of this permit are severable, and if any provision of the permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

Abbreviations:

USDW – underground source of drinking water (Classes I, II, III, IV(a), Special(A))

USEPA – United States Environmental Protection Agency

WDEQ – Wyoming Department of Environmental Quality

WQD – Water Quality Division of WDEQ

WQRR – WDEQ Water Quality Rules and Regulations

DRAFT

STATE OF WYOMING PUBLIC NOTICE

THE PURPOSE OF THIS NOTICE IS TO INDICATE THE STATE OF WYOMING'S INTENTION TO ISSUE AN UNDERGROUND INJECTION CONTROL PERMIT AND TO CLASSIFY THE RECEIVING GROUNDWATER OF THE STATE IN THE VICINITY OF THE PERMITTED INJECTION WELLS UNDER THE WYOMING ENVIRONMENTAL QUALITY ACT (35-11-101 ET. SEQ. WYOMING STATUTES 1957, CUMULATIVE SUPPLEMENT 1973), AND DEPARTMENT OF ENVIRONMENTAL QUALITY, WATER QUALITY RULES AND REGULATIONS CHAPTERS 8 AND 13. IT IS THE STATE OF WYOMING'S INTENTION TO ISSUE AN UNDERGROUND INJECTION CONTROL PERMIT FOR THE DISPOSAL OF NON-HAZARDOUS INDUSTRIAL WASTEWATER AS DEFINED IN CHAPTER 2, SECTION 1(c), WYOMING HAZARDOUS WASTE RULES AND REGULATIONS.

PERMITTEE: Uranium One USA, Inc.; 907 Poplar St., Suite 260; Casper, WY 82601;
(307) 234-8235

PERMIT NUMBER: 10-219, previous permits include 00-340, 97-407, 95-241, and 88-545

PERMIT TYPE: Underground Injection Control, Non-hazardous Class I Well

DURATION: The permit will be valid for 10 years from the date of issuance.

FACILITY NAME: Christensen Ranch Disposal Wellfield, Facility No. WYS-019-011

LOCATION: The 4 wells are in Johnson County, Wyoming -
Christensen Ranch 18-3 (existing) in Section 18, T44N, R76W,
Christensen Ranch DW No. 1 (existing) in Section 7, T44N, R76W,
Christensen Ranch DW No. 2 (proposed) in Section 7, T44N, R76W,
Christensen Ranch DW No. 3 (proposed) in Section 5, T44N, R76W.

AUTHORIZED WASTE: The waste water stream includes the following components related to the solution mining and extraction of uranium: production "bleed" (excess of extracted over injected water to maintain an inward hydraulic gradient in the production well field), filter and ion exchange wash water, reverse osmosis brine, yellowcake wash water, laboratory waste water, plant washdown water, groundwater sweep water to flush the mined aquifer and restore it to pre-mining conditions, and well drilling fluids.

The waste water is characterized by high concentrations of the following constituents: 4,000 to 25,000 milligrams/liter total dissolved solids, 100 to 1,200 mg/L chloride, 1,000 to 7,500 mg/L bicarbonate, 250 to 12,000 mg/L sulfate, 0.2 to 15 mg/L uranium, and 200 to 1,700 pCi/liter radium (isotope 226).

The waste is considered byproduct material of uranium mining by the Atomic Energy Act and is excluded from the definition of hazardous waste under section 261.4(a)4 of Title 40 of the Code of Federal Regulations.

INJECTION ZONE: The wells will inject into the Tullock Member of the Fort Union Formation and the Lance Formation at depths of 3,800 to 6,500 feet in the central part of the Powder River structural basin.

Confinement above the discharge zone is provided by mudstone in the Lebo Shale Member of the Fort Union Formation, which is over 1,000 feet thick at the well locations.

OPERATIONS: The surface injection pressure will be limited to approximately 1,170 pounds per square inch gage pressure in the two existing wells and to approximately 550 pounds per square inch in the two proposed wells until the actual formation fracture pressure is determined by testing. In all cases, the surface injection pressures will be limited to less than the actual fracture pressures of the discharge zones. The two existing wells will be allowed to inject at instantaneous rates up to 3,720 barrels/day (109 gallons/minute) subject to the pressure limitations and the two proposed wells to instantaneous rates up to 8,571 barrels/day (250 gallons/minute) subject to the pressure limitations. Rates for the proposed wells may be modified based on results of the tests to determine the fracture pressures. The average injection rates for each well are expected to be about 2,571 barrels/day (75 gallons/minute). Injection rates and pressures may vary widely over the course of a year.

MONITORING: The proposed permit requires that the permittee monitor injection rates and pressures continuously. The pressure in the casing – tubing annulus will also be monitored continuously to check for leaks in casing, tubing, or packer. Injection and annulus pressures, injection volumes, and analyses of the discharge will be reported quarterly. The proposed permit requires pressure fall-off tests annually and mechanical integrity tests every 5 years. This permit will be reviewed by Department of Environmental Quality staff every 5 years.

GROUNDWATER CLASSIFICATION: The waters in the discharge zones within 2,020 feet of Christensen Ranch 18-3, 2,920 feet of Christensen Ranch DW No. 1, and 2,370 feet of Christensen Ranch DW No. 2 and No. 3 are classified according to Water Quality Rules and Regulations, Chapter 8, Section 4.(d)(ix) as Class VI (unsuitable for use) because they occur at depths and locations that make use of the water economically and technologically impractical. Groundwaters in all aquifers below the discharge zone are similarly classified as Class VI because they are deeper and also economically and technologically impractical.

Water samples collected from the two existing wells have total dissolved solids concentration greater than 1,400 milligrams/liter, traces of hydrocarbons, iron and possibly other metal concentrations above drinking water maximum contaminant levels, and fluoride and chloride above Wyoming drinking water (Class I) standards.

Permitted water wells within 3 miles include rare domestic and stock wells less than 1,100 feet deep; monitor, solution mining, and water supply wells to support mining activity less than 1,000 feet deep; coal-bed methane wells less than 1,800 feet; and a 7,401 feet deep water supply well for oil and gas activity. None of the existing wells produce from the Tullock or Lance aquifers. Water demand is likely to remain low due to the rural nature of the area, common federal surface ownership, and the remote location. Midwest - Edgerton and Wright are each about 29 miles away and the nearest large town is Gillette, which is 43 miles away.

The discharge zones are unlikely to ever be needed for water supply because of their small areas and because the Tongue River Member of the Fort Union Formation and the Wasatch Formation

have better quality water at shallower depths than the Tullock Member.

BONDING: Financial assurance is required for this facility and it is included in the bond held by the Land Quality Division for Permit to Mine No. 478. A minimum of \$99,190 has been allocated for the plugging and abandonment of each existing well and the bond will be increased by the same amount prior to the drilling of each proposed well.

PUBLIC COMMENTS on the proposed operation, the proposed groundwater classification, and the State's intent should be submitted in writing and addressed to: John Passehl, Wyoming Department of Environmental Quality, Water Quality Division, Herschler Building – 4W, 122 West 25th Street, Cheyenne, Wyoming 82002; or by FAX to (307) 777-7610. Comments submitted by email will not be considered. All written comments received prior to 5:00 P.M., December 10, 2010 in the Cheyenne office will be considered.

Any person may request that a public hearing be held but must do so in writing prior to the end of the public comment period. Requests should indicate the name and full mailing address of the individual requesting a hearing, the interest that individual has in the project, and the grounds for holding a public hearing.

If a hearing is not warranted and no comments are received, the final permit will be issued at the end of the public comment period.

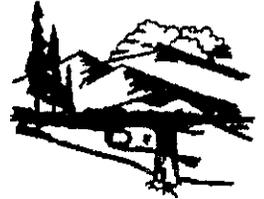
Public Notice 10-219

Published on November 10, 2010 – Gillette News-Record

GDL/rm/10-0999



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

November 4, 2010

Rick Huber
Wyoming Game and Fish Department
5400 Bishop Blvd.
Cheyenne, WY 82002

RE: Uranium One USA, Inc. – Christensen Ranch Disposal Wellfield
Draft Permit UIC 10-219, Class I Non-hazardous
Johnson County, Wyoming

Dear Mr. Huber:

Uranium One USA, Inc., has submitted an application for four Class I injection wells to dispose of waste water from the in-situ subsurface leaching and recovery of uranium. The aquifers that will receive the waste are the Tullock aquifer of the Fort Union Formation and the Lance aquifer at depths of 3,800 to 6,500 feet in the central Powder River Basin. The wells are located in T44N, R76W.

Groundwaters in the receiving aquifers contain total dissolved solids concentrations of 1,000-3,000 mg/L but they occur at depths and in locations that make use of the water economically and technologically impractical. The Department proposes to classify groundwater in the discharge zones and in all deeper aquifers within 1,320 feet of each well as Class VI (unsuitable for use). All four of the wells have been previously permitted to inject into the same discharge zones and two of the wells operated from 2000 to 2005.

The Department of Environmental Quality (DEQ) intends to issue an underground injection control permit for the proposed facility. The draft permit, public notice, and deadline for comments have been posted at <http://deq.state.wy.us/wqd/events/index.asp> for you and the public to review. Additional application material provided by the applicant is available on DEQ's GEM website at <https://gem.trihydro.com>, which requires registration. If you have any questions, feel free to contact me at (307) 777-2960 or glang@wyo.gov. Comments should be submitted in writing to the UIC Program in the Water Quality Division.

Sincerely,

George D. Langstaff
UIC Program, Water Quality Division

GDL/rm/10-0999

cc: John Passehl, UIC Geological Supervisor





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

November 4, 2010

Don McKenzie
DEQ, Land Quality Division
122 West 25th Street
Cheyenne, WY 82002

RE: Uranium One USA, Inc. – Christensen Ranch Disposal Wellfield
Draft Permit UIC 10-219, Class I Non-hazardous
Johnson County, Wyoming

Dear Mr. McKenzie:

Uranium One USA, Inc., has submitted an application for four Class I injection wells to dispose of waste water from the in-situ subsurface leaching and recovery of uranium. The aquifers that will receive the waste are the Tullock aquifer of the Fort Union Formation and the Lance aquifer at depths of 3,800 to 6,500 feet in the central Powder River Basin. The wells are located in T44N, R76W.

Groundwaters in the receiving aquifers contain total dissolved solids concentrations of 1,000-3,000 mg/L but they occur at depths and in locations that make use of the water economically and technologically impractical. The Department proposes to classify groundwater in the discharge zones and in all deeper aquifers within 1,320 feet of each well as Class VI (unsuitable for use). All four of the wells have been previously permitted to inject into the same discharge zones and two of the wells operated from 2000 to 2005.

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Sincerely,

George D. Langstaff
UIC Program, Water Quality Division

GDL/rm/10-0999

cc: John Passehl, UIC Geological Supervisor

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

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



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Dave Freudenthal, Governor

John Corra, Director

November 4, 2010

Rob Yingling
Johnson County Planning Department
Johnson County Office Annex A
26 N. DeSmet Street, Suite A
Buffalo, WY 82834

RE: Uranium One USA, Inc. – Christensen Ranch Disposal Wellfield
Draft Permit UIC 10-219, Class I Non-hazardous
Johnson County, Wyoming

Dear Mr. Yingling:

Uranium One USA, Inc., has submitted an application for four Class I injection wells to dispose of waste water from the in-situ subsurface leaching and recovery of uranium. The aquifers that will receive the waste are the Tullock aquifer of the Fort Union Formation and the Lance aquifer at depths of 3,800 to 6,500 feet in the central Powder River Basin. The wells are located in T44N, R76W.

Groundwaters in the receiving aquifers contain total dissolved solids concentrations of 1,000-3,000 mg/L but they occur at depths and in locations that make use of the water economically and technologically impractical. The Department proposes to classify groundwater in the discharge zones and in all deeper aquifers within 1,320 feet of each well as Class VI (unsuitable for use). All four of the wells have been previously permitted to inject into the same discharge zones and two of the wells operated from 2000 to 2005.

The Department of Environmental Quality (DEQ) intends to issue an underground injection control permit for the proposed facility. The draft permit, public notice, and deadline for comments have been posted at <http://deq.state.wy.us/wqd/events/index.asp> for you and the public to review. Additional application material provided by the applicant is available on DEQ's GEM website at <https://gem.trihydro.com>, which requires registration. If you have any questions, feel free to contact me at (307) 777-2960 or glang@wyo.gov. Comments should be submitted in writing to the UIC Program in the Water Quality Division.

Sincerely,

George D. Langstaff
UIC Program, Water Quality Division

GDL/rm/10-0999

cc: John Passehl, UIC Geological Supervisor

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

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Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

November 4, 2010

Wendy Cheung
USEPA, Region VIII
1595 Wynkoop Street
Denver, Colorado 80202-1129

RE: Uranium One USA, Inc. – Christensen Ranch Disposal Wellfield
Draft Permit UIC 10-219, Class I Non-hazardous
Johnson County, Wyoming

Dear Ms. Cheung:

Uranium One USA, Inc., has submitted an application for four Class I injection wells to dispose of waste water from the in-situ subsurface leaching and recovery of uranium. The aquifers that will receive the waste are the Tullock aquifer of the Fort Union Formation and the Lance aquifer at depths of 3,800 to 6,500 feet in the central Powder River Basin. The wells are located in T44N, R76W.

Groundwaters in the receiving aquifers contain total dissolved solids concentrations of 1,000-3,000 mg/L but they occur at depths and in locations that make use of the water economically and technologically impractical. The Department proposes to classify groundwater in the discharge zones and in all deeper aquifers within 1,320 feet of each well as Class VI (unsuitable for use). All four of the wells have been previously permitted to inject into the same discharge zones and two of the wells operated from 2000 to 2005.

The Department of Environmental Quality (DEQ) intends to issue an underground injection control permit for the proposed facility. The draft permit, public notice, and deadline for comments have been posted at <http://deq.state.wy.us/wqd/events/index.asp> for you and the public to review. Additional application material provided by the applicant is available on DEQ's GEM website at <https://gem.trihydro.com>, which requires registration. If you have any questions, feel free to contact me at (307) 777-2960 or glang@wyo.gov. Comments should be submitted in writing to the UIC Program in the Water Quality Division.

Sincerely,

George D. Langstaff
UIC Program, Water Quality Division

GDL/rm/10-0999

cc: John Passehl, UIC Geological Supervisor





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

November 4, 2010

Donna L. Wichers
Uranium One USA, Inc.
907 N. Poplar St., Suite 260
Casper, WY 82601

RE: Uranium One USA, Inc. – Christensen Ranch Disposal Wellfield
Draft Permit UIC 10-219, Class I Non-hazardous
Johnson County, Wyoming

Dear Ms. Wichers:

Uranium One USA, Inc., has submitted an application for four Class I injection wells to dispose of waste water from the in-situ subsurface leaching and recovery of uranium. The aquifers that will receive the waste are the Tullock aquifer of the Fort Union Formation and the Lance aquifer at depths of 3,800 to 6,500 feet in the central Powder River Basin. The wells are located in T44N, R76W.

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Sincerely,

George D. Langstaff
UIC Program, Water Quality Division

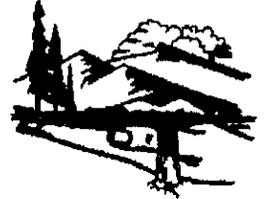
GDL/rm/10-0999

cc: John Passehl, UIC Geological Supervisor





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

November 4, 2010

Duane Spencer
Bureau of Land Management
1425 Fort Street
Buffalo, WY 82834-2436

RE: Uranium One USA, Inc. – Christensen Ranch Disposal Wellfield
Draft Permit UIC 10-219, Class I Non-hazardous
Johnson County, Wyoming

Dear Mr. Spencer:

Uranium One USA, Inc., has submitted an application for four Class I injection wells to dispose of waste water from the in-situ subsurface leaching and recovery of uranium. The aquifers that will receive the waste are the Tullock aquifer of the Fort Union Formation and the Lance aquifer at depths of 3,800 to 6,500 feet in the central Powder River Basin. The wells are located in T44N, R76W.

Groundwaters in the receiving aquifers contain total dissolved solids concentrations of 1,000-3,000 mg/L but they occur at depths and in locations that make use of the water economically and technologically impractical. The Department proposes to classify groundwater in the discharge zones and in all deeper aquifers within 1,320 feet of each well as Class VI (unsuitable for use). All four of the wells have been previously permitted to inject into the same discharge zones and two of the wells operated from 2000 to 2005.

The Department of Environmental Quality (DEQ) intends to issue an underground injection control permit for the proposed facility. The draft permit, public notice, and deadline for comments have been posted at <http://deq.state.wy.us/wqd/events/index.asp> for you and the public to review. Additional application material provided by the applicant is available on DEQ's GEM website at <https://gem.trihydro.com>, which requires registration. If you have any questions, feel free to contact me at (307) 777-2960 or glang@wyo.gov. Comments should be submitted in writing to the UIC Program in the Water Quality Division.

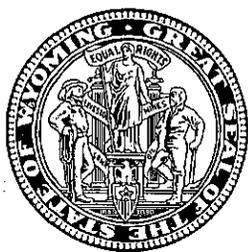
Sincerely,

George D. Langstaff
UIC Program, Water Quality Division

GDL/rm/10-0999

cc: John Passehl, UIC Geological Supervisor





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

November 4, 2010

Janie Nelson
Wyoming Oil and Gas Conservation Commission
P.O. Box 2640
Casper, Wyoming 82602

RE: Uranium One USA, Inc. – Christensen Ranch Disposal Wellfield
Draft Permit UIC 10-219, Class I Non-hazardous
Johnson County, Wyoming

Dear Ms. Nelson:

Uranium One USA, Inc., has submitted an application for four Class I injection wells to dispose of waste water from the in-situ subsurface leaching and recovery of uranium. The aquifers that will receive the waste are the Tullock aquifer of the Fort Union Formation and the Lance aquifer at depths of 3,800 to 6,500 feet in the central Powder River Basin. The wells are located in T44N, R76W.

Groundwaters in the receiving aquifers contain total dissolved solids concentrations of 1,000-3,000 mg/L but they occur at depths and in locations that make use of the water economically and technologically impractical. The Department proposes to classify groundwater in the discharge zones and in all deeper aquifers within 1,320 feet of each well as Class VI (unsuitable for use). All four of the wells have been previously permitted to inject into the same discharge zones and two of the wells operated from 2000 to 2005.

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Sincerely,

George D. Langstaff
UIC Program, Water Quality Division

GDL/rm/10-0999

cc: John Passehl, UIC Geological Supervisor

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

ADMIN/OUTREACH
(307) 777-7937
FAX 777-3610

ABANDONED MINES
(307) 777-6145
FAX 777-6462

AIR QUALITY
(307) 777-7391
FAX 777-5816

INDUSTRIAL SITING
(307) 777-7369
FAX 777-5973

LAND QUALITY
(307) 777-7756
FAX 777-5864

SOLID & HAZ. WASTE
(307) 777-7752
FAX 777-5973

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





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

November 4, 2010

Lisa Lindemann
Wyoming State Engineer's Office
122 West 25th Street
Cheyenne, Wyoming 82002

RE: Uranium One USA, Inc. – Christensen Ranch Disposal Wellfield
Draft Permit UIC **10-219**, Class I Non-hazardous
Johnson County, Wyoming

Dear Ms. Lindemann:

Uranium One USA, Inc., has submitted an application for four Class I injection wells to dispose of waste water from the in-situ subsurface leaching and recovery of uranium. The aquifers that will receive the waste are the Tullock aquifer of the Fort Union Formation and the Lance aquifer at depths of 3,800 to 6,500 feet in the central Powder River Basin. The wells are located in T44N, R76W.

Groundwaters in the receiving aquifers contain total dissolved solids concentrations of 1,000-3,000 mg/L but they occur at depths and in locations that make use of the water economically and technologically impractical. The Department proposes to classify groundwater in the discharge zones and in all deeper aquifers within 1,320 feet of each well as Class VI (unsuitable for use). All four of the wells have been previously permitted to inject into the same discharge zones and two of the wells operated from 2000 to 2005.

The Department of Environmental Quality (DEQ) intends to issue an underground injection control permit for the proposed facility. The draft permit, public notice, and deadline for comments have been posted at <http://deq.state.wy.us/wqd/events/index.asp> for you and the public to review. Additional application material provided by the applicant is available on DEQ's GEM website at <https://gem.trihydro.com>, which requires registration. If you have any questions, feel free to contact me at (307) 777-2960 or glang@wyo.gov. Comments should be submitted in writing to the UIC Program in the Water Quality Division.

Sincerely,

George D. Langstaff
UIC Program, Water Quality Division

cc: John Passehl, UIC Geological Supervisor

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

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



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

Dave Freudenthal, Governor

John Corra, Director

November 4, 2010

Lisa Lindemann
Wyoming State Engineer's Office
122 West 25th Street
Cheyenne, Wyoming 82002

RE: Uranium One USA, Inc. – Christensen Ranch Disposal Wellfield
Draft Permit UIC 10-219, Class I Non-hazardous
Johnson County, Wyoming

Dear Ms. Lindemann:

Uranium One USA, Inc., has submitted an application for four Class I injection wells to dispose of waste water from the in-situ subsurface leaching and recovery of uranium. The aquifers that will receive the waste are the Tullock aquifer of the Fort Union Formation and the Lance aquifer at depths of 3,800 to 6,500 feet in the central Powder River Basin. The wells are located in T44N, R76W.

Groundwaters in the receiving aquifers contain total dissolved solids concentrations of 1,000-3,000 mg/L but they occur at depths and in locations that make use of the water economically and technologically impractical. The Department proposes to classify groundwater in the discharge zones and in all deeper aquifers within 1,320 feet of each well as Class VI (unsuitable for use). All four of the wells have been previously permitted to inject into the same discharge zones and two of the wells operated from 2000 to 2005.

The Department of Environmental Quality (DEQ) intends to issue an underground injection control permit for the proposed facility. The draft permit, public notice, and deadline for comments have been posted at <http://deq.state.wy.us/wqd/events/index.asp> for you and the public to review. Additional application material provided by the applicant is available on DEQ's GEM website at <https://gem.trihydro.com>, which requires registration. If you have any questions, feel free to contact me at (307) 777-2960 or glang@wyo.gov. Comments should be submitted in writing to the UIC Program in the Water Quality Division.

Sincerely,

George D. Langstaff
UIC Program, Water Quality Division

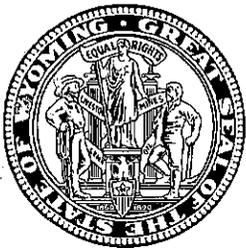
GDL/rm/10-0999

cc: John Passehl, UIC Geological Supervisor

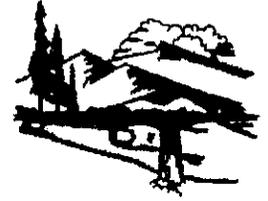
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ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752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



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Dave Freudenthal, Governor

John Corra, Director

November 4, 2010

Sara Needles
State Historic Preservation Office
2301 Central Avenue
Barrett Building, 3rd Floor
Cheyenne, WY 82002

RE: Uranium One USA, Inc. – Christensen Ranch Disposal Wellfield
Draft Permit UIC 10-219, Class I Non-hazardous
Johnson County, Wyoming

Dear Ms. Needles:

Uranium One USA, Inc., has submitted an application for four Class I injection wells to dispose of waste water from the in-situ subsurface leaching and recovery of uranium. The aquifers that will receive the waste are the Tullock aquifer of the Fort Union Formation and the Lance aquifer at depths of 3,800 to 6,500 feet in the central Powder River Basin. The wells are located in T44N, R76W.

Groundwaters in the receiving aquifers contain total dissolved solids concentrations of 1,000-3,000 mg/L but they occur at depths and in locations that make use of the water economically and technologically impractical. The Department proposes to classify groundwater in the discharge zones and in all deeper aquifers within 1,320 feet of each well as Class VI (unsuitable for use). All four of the wells have been previously permitted to inject into the same discharge zones and two of the wells operated from 2000 to 2005.

The Department of Environmental Quality (DEQ) intends to issue an underground injection control permit for the proposed facility. The draft permit, public notice, and deadline for comments have been posted at <http://deq.state.wy.us/wqd/events/index.asp> for you and the public to review. Additional application material provided by the applicant is available on DEQ's GEM website at <https://gem.trihydro.com>, which requires registration. If you have any questions, feel free to contact me at (307) 777-2960 or glang@wyo.gov. Comments should be submitted in writing to the UIC Program in the Water Quality Division.

Sincerely,

George D. Langstaff
UIC Program, Water Quality Division

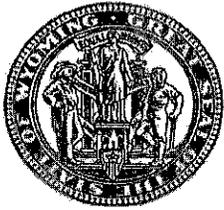
GDL/rm/10-0999

cc: John Passehl, UIC Geological Supervisor

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



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

August 4, 2010

David W. Hill, P.E.
City of Casper Public Utilities
200 North David Street
Casper, WY 82601

RE: Nitrification Control Mixers Project – Pilot Study, City of Casper, WY
WDEQ #10-220

Dear Mr. Hill:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Pilot Plant in accordance with Section 5, Chapter 12 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. Your attention is directed to the mandatory reporting requirements outlined in Part V. Section O. of the general permit.

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

Sincerely,

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

Enclosures: General Permit, Certification of Completion

cc: WDEQ File
IPS, Cheyenne





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 1, 2010

City of Rawlins
Steven Golnar, City Manager
P.O. Box 953
Rawlins, WY 82301

RE: City of Rawlins- Fire Hydrant Replacement Project,
Application No. **10-221**, Carbon County

Dear Mr. Golnar:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as replacement of existing fire hydrants, valves and fittings within the City of Rawlins. In addition, all fire lines from the main to hydrant will be replaced with a 6" line, Section 8, Section 9, Section 15, Section 16, Section 17, and Section 21, T21N R 87W; Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by July 1, 2012.

Fire hydrants D31 and G15 can be replaced with a new 2 port hydrant top barrels. These hydrants can be used for flushing hydrants only.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **10-221** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/10-0566

Enclosure: Certificate of Completion

cc: IPS, Cheyenne

Kenton Kisselman, City of Rawlins, P.O. Box 953, Rawlins, WY 82301

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ADMIN/OUTREACH
(307) 777-7937
FAX 777-3610

ABANDONED MINES
(307) 777-8145
FAX 777-6462

AIR QUALITY
(307) 777-7391
FAX 777-5616

INDUSTRIAL SITING
(307) 777-7369
FAX 777-5973

LAND QUALITY
(307) 777-7756
FAX 777-5864

SOLID & HAZ. WASTE
(307) 777-7752
FAX 777-5973

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





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 19, 2010

One Bar Eleven, LLC
Attn: Steve Schalk, Manager
HC 63, Box18
Saratoga, Wyoming 82331

RE: One Bar Eleven, LLC – Karen's Cabin Septic System, Application No. 10-222
Location: NE¼ NW¼, Section 16, T15N, R82W, Carbon County

Dear Mr. Schalk:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1050 gallon polyethylene septic tank and a chamber leachfield for a **4 bedroom** house in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific conditions also apply:

1. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.
2. 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.

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The approval granted under this Notification Of Coverage and the General Permit shall expire on July 19, 2012. Please reference Application Number 10-222 in any future correspondence.

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

Sincerely,



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

RLE/rm/10-0624

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Randy G. Raymer, R.G. Raymer Construction Inc., P.O. Box 1078, Saratoga,
Wyoming 82331
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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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 18, 2010

Charles Belgarde
Plattwood LLC
7841 Wayzata Blvd Ste 111
Minneapolis, MN 55426

RE: Aladdin Highlands Ranch – Shower House Septic System Addition; Crook County
Location: Section 19-22, 27-30, T54N, Range 61W; Permit # 10-223

Dear Mr. Belgarde:

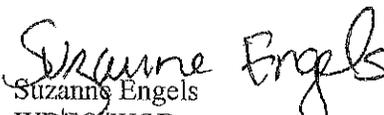
The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307. 283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,


Suzanne Engels
WDEQ/WQD

SE/rm/10-0533

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Schreier Engineering, 511 National St, Ste 101, Belle Fourche, SD 57717

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Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 8, 2010

Stuart Mackenzie
9 Ox Yoke Trail
Moorcroft, WY 82721

RE: Mackenzie Small Residential Wastewater System, Crook County
Location: Conestoga Ridge Estates Lot 12; Permit # 10-224

Dear Mr. Mackenzie:

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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307.283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/10-0475

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

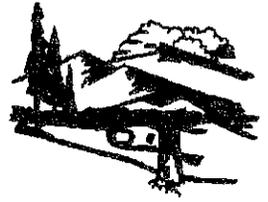
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Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 8, 2010

Lowry Wood
216 R Ranch Road
Moorcroft, WY 82721

RE: Wood Small Residential Wastewater System, Crook County
Location: NE ¼, Section 35, T52N, Range 67W; Permit # 10-225

Dear Mr. Wood:

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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307. 283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels

Suzanne Engels
WDEQ/WQD

SE/rm/10-0476

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Wade Habeck, Timberline Services, PO Box 867, Sundance, WY 82729

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Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 15, 2010

Union Pacific Railroad
Mark E. Ross, Manager – Environmental Field Operations
1400 West 52nd Avenue
Denver, Colorado 80221

RE: UPRR Cheyenne Yard Stormwater Control,
Water Main Modification Project,
Location: NW¼, Section 6, T13N, R66W,

Application No. **10-226**
Laramie County

Dear Mr. Ross,

The above application for coverage under General Permit to Construct and make Modifications to an Existing Public Water Supply Distribution System, consisting of removing, moving horizontally about 50 feet, and replacing about 80 feet of 12" DIP water main pipe with 12" PVC pipe to get the section of water main clear of some hillside slope control cuts, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit, 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. Additions to Wyoming Public Works Standard Specifications for Waterline Construction:
 - a. Section 2665 E.6 - Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.
 - b. Section 2675 D - Flushing shall achieve minimum velocities of at least 5 feet per second for pipelines 12 inches in diameter or less. Flushing shall be through flush valves and a discharge pipe to the surface. Fire hydrants shall not flushed until after the water main or distribution line is flushed.

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ADMIN/OUTREACH
(307) 777-7937
FAX 777-3610

ABANDONED MINES
(307) 777-6145
FAX 777-6462

AIR QUALITY
(307) 777-7391
FAX 777-5616

INDUSTRIAL SITING
(307) 777-7369
FAX 777-5973

LAND QUALITY
(307) 777-7756
FAX 777-5864

SOLID & HAZ. WASTE
(307) 777-7752
FAX 777-5973

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



The approval granted under this Notification Of Coverage and the General Permit shall expire on November 30, 2010. Please reference Application Number 10-226 in any future correspondence.

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

Sincerely,



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

RLE/m/10-0512

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

cc: IPS, Cheyenne
Phillip Stump, HDR Engineering, 1720 Carey Ave, Suite 612, Cheyenne, WY 82001



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

PERMIT NO. 10-227

Westway POD: 6-12-55-77

This permit hereby authorizes the applicant:

JM Huber Corp.
Attn: Mr. Ralph Schofield
2266 N. Main St.
Sheridan, WY 82801

to have installed three (3) compliance monitoring wells according to the procedures and conditions of the application number 10-227. The wells are proximal to the on channel coalbed methane produced water impoundment located in Township 55N, Range 77W, Section 12 in the county of Sheridan, in the State of Wyoming. All construction, installation, or modification allowed by this permit has been completed.

The issuance of this permit confirms that the Wyoming Department of Environmental Quality (WDEQ) 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 WDEQ 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 WDEQ 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 of 4 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/Water Quality Division, Groundwater Section, 2100 W. 5th St. 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 of 4 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/Water Quality Division, Groundwater Section, 2100 W. 5th St., Sheridan, WY 82801, 307-673-9337, fax 307-672-2213 when discharge to each impoundment covered under this permit commences.

3 of 4 **Monitoring Requirements:** Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water level in all monitoring wells: 6MW-12A, 6MW-12B and 6MW-12C;
- Sampling and analysis of groundwater at down-gradient well: 6MW-12C;
- The parameters listed in the table below are required for groundwater compliance monitoring beneath the listed impoundment:

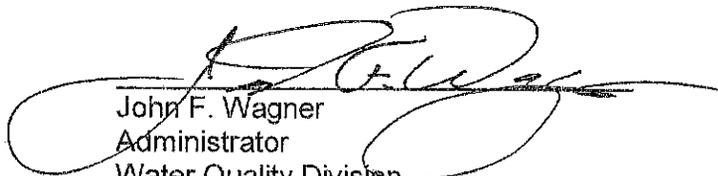
6-12-55-77

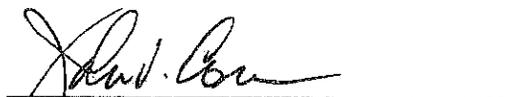
Parameter	6MW-12C	Class III
	Background Value (mg/L) (03/25/2010)	Water Quality Standards (mg/L)
Selenium	.056 (total)	0.05
Sulfate	851	3000
TDS	2210	5000
pH	8.44	6.5 – 8.5 (s.u)

- Several of the reported metals concentrations are questionable because of a lack of reported field data. Therefore, the WDEQ is requiring a second background sample from monitoring well 6MW-12C prior to discharge to the impoundment.
- Reporting results of quarterly monitoring and sampling are due to the department by January 15th, April 15th, July 15th, and October 15th of each year;

- If the initial discharge into the impoundment has not occurred by the quarterly report date, a groundwater compliance sample is not required for that quarterly period. The operator shall notify the WDEQ that discharge has not occurred;
 - If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the WDEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
 - The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: DEQ-CBMGroundwater@WYO.GOV. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.
 - After one year of quarterly monitoring, the WDEQ will evaluate the groundwater geochemical trends and may modify the monitoring frequency requirements.
- 4 of 4 Any exceedence of the water quality standards listed above will be considered a violation of this permit. If an exceedence of groundwater standards occurs as a result of the operation of the impoundment, the WDEQ may require a more frequent monitoring schedule, further investigation of the groundwater impacts, remediation of the groundwater impacts, and cessation of discharge into the impoundment.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

7/1/10
Date of Issuance

CS/rm/10-0562



GROUNDWATER 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

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

PERMIT NUMBER: 10-227

SITE (POD) NAME: Westway POD

APPLICANT: JM Huber Corp.
Attn: Mr. Ralph W. Schofield
2266 N. Main St.
Sheridan, WY 82801

CONSULTANT: Tom Pilch
Pilch Engineering
41 East Burkitt St.
Sheridan, WY 82801

LOCATION: Drainage: Lynn Draw, tributary to Powder River
County: Sheridan
Township 55 North; Range 77 West, Section 12

WYPDES No: Discharge Permit: WY0094277

REVIEWING OFFICIAL: Carrie Steinhorst, North District Project Geologist

DATE OF THIS REVIEW: June 30, 2010

ACTION: Compliance Monitoring Plan authorized for Westway POD pursuant to conditions on permit # 10-227.

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description

Watershed Name: Lynn Draw, tributary to Powder River

Groundwater Classification:

Class 1 (domestic) _____
 Class 2 (agricultural) _____
 Class 3 (livestock) 1

Basis for Classification: Laboratory analysis of groundwater indicates ambient water quality meets Water Quality Rules and Regulations Chapter 8 Class III standards and exceeds both Class I and Class II standards for sulfate, total dissolved solids (TDS), and sodium adsorption ratio (SAR) (Table 1- Chapter 8).

Table 1. Basis for Ground Water Classification by impoundment Name covered under Permit 10-227

Impoundment Name	Compliance Monitoring Well	Sulfate (mg/l)	TDS (mg/l)	SAR
6-12-55-77	6MW-12C	851	2210	21.2

Description of Hydrogeology:

Impoundment 6-12 is approximately 4000 feet from Powder River in a dry drainage. Three groundwater monitoring wells were installed to delineate groundwater flow direction and quality. As of the date of this review, the WDEQ has no record of plugging and abandoning of any of the three wells.

Groundwater occurs beneath the impoundment in claystone with sandstone lenses, first encountered at approximately 60 ft below ground surface (BGS). The water-bearing sandstones are correlative. Static water levels are between 3611 and 3609 ft above mean sea level—with the average depth to water at 65 feet BGS. Monitoring well 6MW-12C is the down-gradient well.

Table 2. Impoundment covered under Permit 10-227

Impoundment Name	Capacity (acre/ft)	Qtr	Qtr	Section	Township	Range	Compliance Monitoring Well
6-12-55-77	19.6	SENW		12	55	77	6MW-12C

2.0 MONITORING AND REPORTING REQUIREMENTS

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water elevation in all monitoring wells: 6MW-12A, 6MW-12B and 6MW-12C;
- Sampling and analysis of groundwater at down-gradient well: 6MW-12C;
- The parameters listed in the table below are required for groundwater compliance monitoring beneath the listed impoundment.

6-12-55-77

Parameter	6MW-12C Background Value (mg/L) (03/25/2010)	Class III Water Quality Standards (mg/L)
Selenium	.056 (total)	0.05
Sulfate	851	3000
TDS	2210	5000
pH	8.44	6.5 – 8.5 (s.u)

- **Several of the reported metals concentrations are questionable because of a lack of reported field data. Therefore, the WDEQ is requiring a second background sample from monitoring well 6MW-12C prior to discharge to the impoundment.**
- Reporting results of quarterly monitoring and sampling are due to the department by January 15th, April 15th, July 15th, and October 15th of each year;
- If the initial discharge into the impoundment has not occurred by the quarterly report date, a groundwater compliance sample is not required for that quarterly period. The operator shall notify the DEQ that discharge has not occurred;
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
- The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically

on the due dates established above to the following department address: deq-cbmgroundwater@wyo.gov. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

- After one year of quarterly monitoring, the WDEQ will evaluate the groundwater geochemical trends and may modify the monitoring frequency requirements.

END OF REVIEW

CS/rm/10-0562



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 17, 2010

Arthur R. Warren
Box 167
Chugwater, Wyoming 82210-0167

RE: Warren Residential Septic System,
Location: E½ NW¼ SE¼, Section 19, T26N, R68W,

Application No. **10-228**
Platte County

Dear Mr. Warren:

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

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on June 17, 2012. Please reference Application Number **10-228** in any future correspondence.

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

Sincerely,

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

RLE/rm/10-0531

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

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

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

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

PERMIT NO. 10-229

REFERENCE PERMITS NO. N/A

Hydrochloric Acid Feed System, Buffalo Water Treatment Plant

This permit hereby authorizes the applicant:

Leslie I. Hook
City of Buffalo
46 North Main Street
Buffalo, WY 82834

to construct, install or modify the Hydrochloric Acid Feed System at the Buffalo Water Treatment Plant, according to the procedures and conditions of the application number **10-229**. The facility is located in the NW ¼ of Section 6, Township 50 North, Range 82 West, further located at 8875 US Hwy 16 West, Buffalo, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2011.

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.

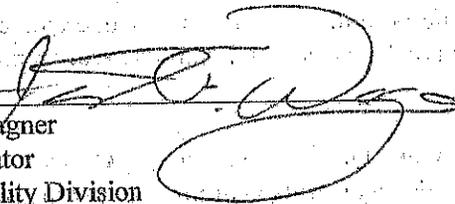
3 of 4

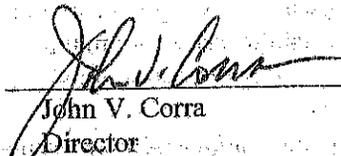
Within thirty days of completion of construction of the authorized facility, the Engineer of Record will submit two (2) complete copies of the Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601.

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

8/27/10

Date of Issuance

KLF/rm/10-0740

cc: Christopher C. Knodel, P.E., States West Water Resources Corp., 59 Western Avenue, Ste. C, Buffalo, WY, 82834

STATEMENT OF BASIS

1. Permit Number: **10-229**
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 August 26, 2010. 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."

PERMIT TO CONSTRUCT

New PERMIT NO. 10-230

X

Renewal
Modified

Former Rock River Gas Plant Environmental Site Characterization

This permit hereby authorizes the applicant:

Marathon Oil Company
1230 Meadow Lane
Hillsdale, MI 49242

to construct, install or modify 19 groundwater monitoring wells according to the procedures and conditions of the application number 10-230. The facility is located in SE1/4 SE1/4 Section 34; T20N; R78W in the county of Carbon, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2010.

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

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

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

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

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

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

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

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

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

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

- 1 of 10 The applicant will provide immediate oral or written notice to the DEQ/WQD Groundwater Pollution Control Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 10 No monitoring wells shall be abandoned without prior approval from the Water Quality Division. After the monitoring wells have fulfilled their purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements.
- 3 of 10 Final "As-Built" construction drawings shall be submitted for the 19 monitoring wells.
- 4 of 10 WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of monitoring wells and sample collection so that they may be on site if deemed necessary.
- 5 of 10 The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
- 6 of 10 The results of any other analyses conducted on soil or water removed from monitoring wells or boreholes shall be provided to the department as soon as they are available.
- 7 of 10 Environmental Monitoring Program for Groundwater of the State:
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.
 - b. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
 - c. Records of monitoring information shall include:
 - i. The date, exact place, and time of sampling or measurements;
 - ii. The name(s) of individual(s) who performed the sampling or measurements;
 - iii. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing;
 - iv. Sampling procedures and sample preservation accomplished;
 - v. The date(s) analyses were performed;
 - vi. Names of individuals who performed the analyses;
 - vii. The analytical techniques or methods used;
 - viii. The results of such analyses, and;

ix.

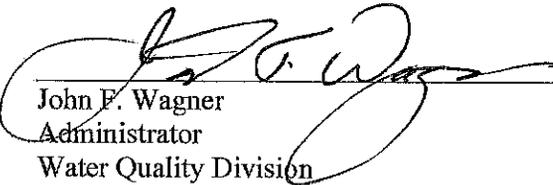
Monitor wells shall be sampled and the groundwater analyzed as indicated on the following table:

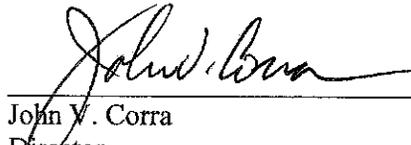
WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED	PERMIT LIMIT*
MW 1-19	Semi-Annual one in spring (3/01-5/31) and one in fall (9/01-11/30)	8260, modified 8015B	Benzene Toluene Ethylbenzene Xylene TPH-GRO TPH-DRO	0.005 1.0 0.7 10 7.3 1.1

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

- 8 of 10 The results of these analyses shall be submitted to the Cheyenne office at the following address: Groundwater Pollution Control Office, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002 by the last day of the month following the end of each reporting period. The first set of results is due no later than January 31, 2011.
- 9 of 10 The issuance of WQDs Permit to Construct is contingent of WDEQ/AQD's continued approval of hydrocarbon emissions from the SVE/AS Systems based on quarterly monitoring.
- 10 of 10 If Marathon Oil Company proposes to vary the operation of the Systems, Marathon Oil Company shall submit a formal written request with supporting reasons to WQD.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

8/20/10
Date of Issuance

ADN/rm/10-0715

cc: Kevin Frederick, Jane Francis

REVIEW OF PROPOSALS/PLANS:

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

PROJECT: **Former Rock River Gas Plant Facility, Rock River, WY**

APPLICANT: Marathon Oil Company
Douglas G. Kinnett
1230 Meadow Lane
Hillsdale, MI 49242
517-439-0937

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: **10-230**

TITLE: Former Rock River Gas Plant Environmental Site Characterization

PLANS
 SPECS
 PROPOSAL
 REPORT

DATE ON PROPOSAL/PLANS/REPORT: June 7, 2010

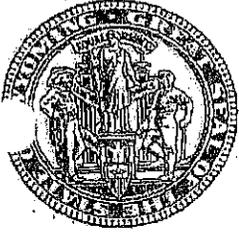
REVIEWING PERSONNEL: Adrienne Nunn, Project Engineer

DATE OF REVIEW: August 19, 2010

ACTION: **The permit application/plan is acceptable in its current form.**

END OF REVIEW

ADN/rm/10-0715



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Coira, Director

NOTIFICATION OF COVERAGE

June 16, 2010

Joe R. Porter
3608 Maple Leaf Ave.
Cody, WY 82414

RE: Pebble Creek Addition. DEQ Permit #10-231, Park County, Lat 44.52194, Long 109.045

Dear Mr. Porter,

This project consists of the extension of the treated water and sanitary sewer to service proposed ten single family residential lots.

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
Assistant Northwest District Engineer
Water Quality Division

James Brough, P.E.
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

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

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

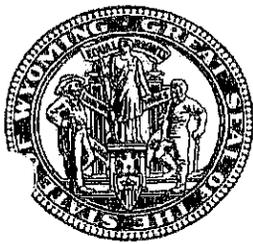
AIR QUALITY
(307) 332-8755
FAX 332-7726

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



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 12, 2010

David Lew, Owner
1549 Walnut
Rock Springs, WY 82901

RE: Sleep Inn Motel - Rock Springs - Water and Sewer Service #10-232, Lat 41.3638, Lon 109.1343, Sweetwater County

Dear Mr. Lew:

The above application for coverage under General Permits to Construct water and sewer main modifications, to serve a proposed 69 room motel system consisting of 197 feet of 6 inch ductile iron water main and 188 feet of 8 inch PVC sewer main to be constructed 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,

Perry Roberson
Project Engineer
Water Quality Division

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

xc: IPS, Cheyenne
Rob Young P.E., UESI, 2638 Commercial Way, Rock Springs, WY 82901





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 14, 2010

Leslie Waugh
112 New Haven Road
Hulett, WY 82720

RE: Waugh Small Residential Wastewater System, Crook County
Location: SE ¼, NE ¼, Section 3, T54N, Range 65W;

Permit # 10-233

Dear Leslie:

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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307. 283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/10-0508

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Randy Gantz, Gantz Backhoe Services, PO Box 280, Hulett, WY 82720

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

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



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 24, 2010

Jane M. Carey
6619 W. Misty Willow Lane
Glendale, AZ 85310

RE: Carey Residential Mound Septic System,
Location: SW¼, Section 31, T18N, R83W,

Application No. **10-234**
Carbon County

Dear Ms. Carey:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1000 gallon concrete septic tank and a rock and perforated pipe modified mound leachfield for a **3 bedroom** house in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, 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.

The approval granted under this Notification Of Coverage and the General Permit shall expire on June 24, 2012. Please reference Application Number 10-234 in any future correspondence.

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

Sincerely,

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

RLE/rm/10-0542

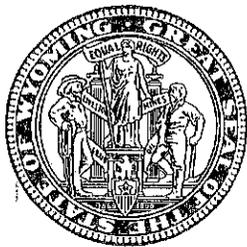
Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Kent Smith, Box 684, Saratoga, Wyoming 82331
Youngberg Plumbing and Heating, P.O. Box 392, Encampment, WY 82325
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West Buffalo Street, Suite 336, Rawlins, Wyoming 82301

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 14, 2010

Judy Mahoney
PO Box 155
Hulett, WY 82720

RE: Mahoney Small Residential Wastewater System, Crook County
Location: NE ¼ SW ¼, Section 23, T55N, Range 66W;

Permit # 10-235

Dear Mr. Mahoney:

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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307. 283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels

Suzanne Engels
WDEQ/WQD

SE/rm/10-0509

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Randy Gantz, Gantz Backhoe Services, PO Box 280, Hulett, WY 82720

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FAX 777-3610

ABANDONED MINES
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FAX 777-6462

AIR QUALITY
(307) 777-7391
FAX 777-5616

INDUSTRIAL SITING
(307) 777-7369
FAX 777-5973

LAND QUALITY
(307) 777-7756
FAX 777-5864

SOLID & HAZ. WASTE
(307) 777-7752
FAX 777-5973

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 10-236

GRANDMA'S INN CHLORINATION SYSTEM
PWS WY5600416

This permit hereby authorizes the applicant:

Glenna Madden Trust
P.O. Box 670
Torrington, WY 82240

to construct, install or modify a chlorine disinfection system according to the procedures and conditions of the application number 10-236. The facility is located in SE ¼ Section 5 T24N R61W; Goshen County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed July 13, 2012.

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

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

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

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

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

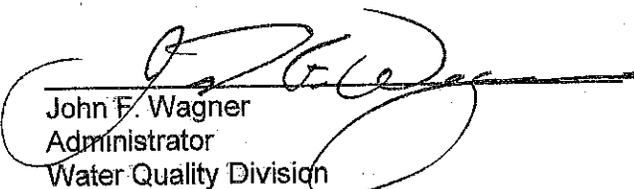
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

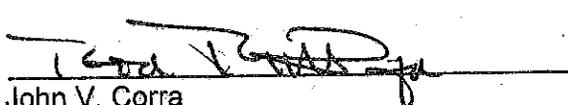
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7075, FAX 307-777-7610, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 The chlorine disinfection system must be operated continuously to satisfy the requirements of the EPA Administrative Order dated April 14, 2010.
- 3 An operation and maintenance manual for the water system must be submitted to the Southeast District Engineer of the Water Quality Division for approval. The operation and maintenance manual for the water system should meet the requirements of Section 16, Chapter 12, Wyoming Water Quality Rules and Regulations.
- 4 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.
- 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

Date of Issuance

7-15-10

RRC/rm/10-0613

STATEMENT OF BASIS

1. Permit Number: 10-236
2. This application was reviewed for compliance with the applicable regulations ;
Chapters 3, 12
3. Does the permit comply with all applicable regulations identified above?
Yes
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.
Public water supplies are exempted from review by Chapter 3, Section 17.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Richard Cripe P.E., Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on July 14, 2010. 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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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 14, 2010

City of Rawlins
Steven Golnar
P.O. Box 953
Rawlins, WY 82301

RE: Animal Shelter Grease Interceptor
Application No. 10-237, Carbon County

Dear Mr. Golnar:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as a 1000 gallon grease interceptor, T21N R 87W; Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by July 14, 2012.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. 10-237 in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/10-0605

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Kenton Kisselman, City of Rawlins, P.O. Box 953, Rawlins WY 82301

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ADMIN/OUTREACH
(307) 777-7937
FAX 777-3610

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(307) 777-6145
FAX 777-6462

AIR QUALITY
(307) 777-7391
FAX 777-5616

INDUSTRIAL SITING
(307) 777-7369
FAX 777-5973

LAND QUALITY
(307) 777-7756
FAX 777-5864

SOLID & HAZ. WASTE
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WATER QUALITY
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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 14, 2010

Mike Inc.
Chad Blake
101 McConnell Street
Laramie, WY 82072

RE: Phase 2A Water and Sewer Line Construction– Snowy Range Addition,
Application No. **10-238**, Albany County

Dear Mr. Blake:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installation of approximately 140 ft of 8 inch PVC sanitary sewer, installation of approximately 1050 ft of 8 inch PVC water line, and install one new fire hydrant, NE ¼ Section 6, T15N R 73W; Albany County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by July 14, 2012.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:
http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **10-238** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/10-0606

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Flint L. Polson, Coffey Engineers & Surveying, 902 S 3rd St., Laramie, WY 82070

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



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 1, 2010

Matt Allred, Town Engineer
Town of Guernsey
P. O. Box 667
81 W. Whalen
Guernsey, WY 82214

RE: Town of Guernsey – 2010 Sewer Sleeve Project,
Application No. **10-239**, Platte County

Dear Mr. Allred:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as installation of approximately 8,236 feet of 8 inch PVC sewer sleeve into existing 8 inch VCP, installation of approximately 290 feet of 6 inch PVC sewer sleeve into existing 6 inch VCP and construct five new manholes, Section 35, T27N R66W, Platte County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by July 1, 2012.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **10-239** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/10-0563

cc: IPS, Cheyenne
Russel J. Colby, Baker & Assoc., 120 East 16th Street, Suite A, Scottsbluff, NE 69361

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



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 23, 2010

John Dennis
102 Hightower Road
Wheatland, Wyoming 82201

RE: John Dennis Septic System,
Location: SE $\frac{1}{4}$ SW $\frac{1}{4}$ & SW $\frac{1}{4}$ SE $\frac{1}{4}$, Section 11, T24N, R68W,

Application No. **10-240**
Platte County

Dear Mr. Dennis:

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

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on June 23, 2012. Please reference Application Number **10-240** in any future correspondence.

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

Sincerely,

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

RLE/rm/10-0539

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

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

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FAX 777-6462

AIR QUALITY
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FAX 777-5973

WATER QUALITY
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FAX 777-5973





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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 15, 2010

Town of Saratoga
John Zeiger, Mayor
P.O. Box 486
Saratoga, WY 82331

RE: Town of Saratoga, Airport Waterline Replacement Project
Application No. **10-241**, Carbon County

Dear Mr. Zeiger:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as replacement of approximately 465 ft of 4 inch water main with approximately 465 ft of 6 inch PVC water main, NE ¼ Section 14, T17N R 84W; Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by June 15, 2012.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:
http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **10-241** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/10-0518

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Chuck Bartlett, Town Engineer, P.O. Box 486, Saratoga, WY 82331

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WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT
PWS WY5600189

PERMIT NO. 10-242

Town of Albin-2010 Water Mains and Station Well Rehabilitation

This permit hereby authorizes the applicant:

TOWN OF ALBIN
PO BOX 188
ALBIN, WY 82050

to construct, install transmission line to connect the Station well to a water distribution system, well rehabilitation, install new pump, add a chlorination system, replace water main and install new water main according to the procedures and conditions of the application number 10-242. The facility is located in N ½ Section 29 T17N R60W; Laramie County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed July 15, 2012.

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

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

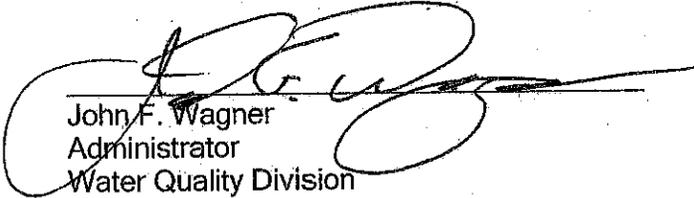
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

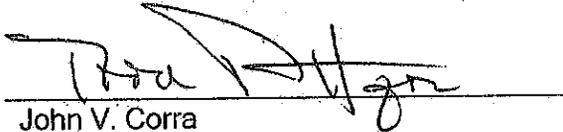
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 An operation and maintenance manual for the water system must be submitted to the Southeast District Engineer of the Water Quality Division for approval. The operation and maintenance manual for the water system should meet the requirements of Section 16, Chapter 12, Wyoming Water Quality Rules and Regulations.
- 4 FH 14 will require a fire hydrant base without a 4 ½ inch pumper nozzle. This fire hydrant is unable to maintain a 20 psi residual pressure.
- 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

Date of Issuance 7-21-10

RRC/rm/10-0630

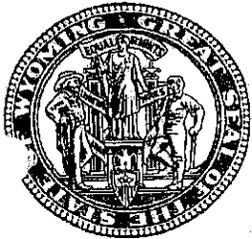
STATEMENT OF BASIS

1. Permit Number: **10-242**
2. This application was reviewed for compliance with the applicable regulations ;
Chapters 3, 12
3. Does the permit comply with all applicable regulations identified above?
Yes
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.

Public water supplies are exempted from review by Chapter 3, Section 17.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Richard Cripe, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on July 20, 2010. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 13, 2010

Phil Barnes, Environmental Project Mgr.
P.O. Box 1666
Pinedale, WY 82941

RE: Shell Western Exploration and Production, Shell North LGS - Sewage Leach Field,
Permit #10-243R, Sec 3, T31N, R109W, Sweetwater County

Dear Mr. Barnes:

The above application for coverage under General Permits to Construct a small waste sewage system to serve a 10 person operation consisting of a 1000 gallon septic tank and a 10X60 foot, two lateral chambered leach field to be constructed 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 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,

Perry Roberson
Project Engineer
Water Quality Division

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

xc: IPS, Cheyenne
Christina D. Wilhelm P.E., Inberg-Miller Engineers, 124 East Main, Riverton, WY 82501



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

CLASS V INJECTION WELL

() New
(X) Modified

Permit Number: 10-245
Previous Permit(s): 5E3-98-1
Facility Number WYS-005-269

In compliance with the Wyoming Environmental Quality act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a)(iv), Laws 1973, Ch. 250, Section 1) and Wyoming Water Quality Rules and Regulations, Chapter 16.

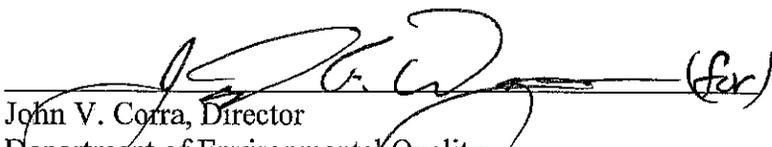
Applicant: Thunder Basin Coal Company
Attn: Kenneth Cochran, President and General Manager
PO Box 406
Wright, WY 82732
(307) 464-2202

Thunder Basin Coal Company, hereafter referred to as the permittee, is authorized to construct a replacement leachfield and operate the facility, Black Thunder East Septic System. The facility is a septic tank and leach field wastewater disposal system in the NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 14, Township 43 North, Range 70 West, of the 6th Principal Meridian, Campbell County. The permittee is allowed to operate the facility according to the procedures and conditions of application 10-245 and requirements and other conditions of this permit.



John Wagner, Administrator
Water Quality Division
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002
(307)-777-7781

12/23/10
Date



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

12/28/10
Date

ADN/rm/10-1107

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A. Discharge Zone

The injection well (sanitary leach field system) is authorized to continue to inject an average 3,532 gallons per day (gpd) and a maximum of 5,886 gpd of treated domestic sewage. The wastewater is produced from change room/locker areas and showers for coal mine employees. The wastewater is injected into the Burning Coal Draw Alluvium. The shallowest groundwater is at least 28 feet below ground surface within the area of review. There is a layer of clay at approximately 12 feet below ground surface.

B. Well and Area of Review

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

NE $\frac{1}{4}$ of the SW $\frac{1}{4}$ of the SW $\frac{1}{4}$ of Section 14, Township 43 North, Range 70 West, 6th Principal Meridian

The Area of Review is defined as an area of approximately 360 acres in size with the injection facility located near its center.

The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10	Years
Porosity	35	Percent
Injection Rate	5,886	GPD
Thickness of Receiver	10	Feet
Area of Review	360	Acres
Hydraulic Conductivity	0.003	Feet/Day

C. Groundwater Classification

The groundwater in the Burning Coal Draw Alluvium is classified as Class III according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater in this formation is currently being used for livestock purposes within the area of review. Background water samples meet the standards of a Class IV (A) groundwater because the Total Dissolved Solids concentration is greater than 3,000 mg/L. The groundwater must be protected for the higher class or Class III. Class III groundwater is suitable for livestock use. Groundwater of Class III shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

The permittee is authorized to inject 3,532 gallons per day average and 5,886 gallons per day maximum from room/locker areas and showers for coal mine employees. The injectate is described as domestic wastewater.

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

E. Hazardous Waste

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

F. Proper Operation and Maintenance

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

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

G. Entry and Inspection

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

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.
4. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The time(s) analyses were initiated;
 - e. The initials or name(s) of the individual(s) who performed the analyses;
 - f. References and written procedures for the analytical techniques or methods used;
 - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
6. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
7. The permittee shall report any noncompliance which may endanger health or the environment within 24 hours from the time the operator becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;

- c. A written submission shall be provided within 5 days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.
9. The monitoring reports shall be submitted on forms provided by the Department. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 45 days following each schedule date.

I. Requirements for Monitoring the Discharge

No monitoring reports are required for this facility due to the groundwater classification of Class III. The Water Quality Division may, without reissuing this permit, waive further monitoring of any parameter or may require additional monitoring based on new information about the nature of the waste. The Water Quality Division may also approve a more or less stringent monitoring schedule.

A notice of construction completion is due once the new septic system is constructed. Also, provide as-built details of the septic system.

J. Test Procedures

All samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All samples taken shall include a trip blank of distilled water for each sampling date and a duplicate sample at least once per year. All required analyses shall be conducted in compliance with Wyoming Water Quality Rules and Regulations, Chapter 8, Section 7.

K. Records and Reports

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the

recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

L. Permit Actions

This permit is authorized for a period of ten (10) years. If the permittee wishes to continue injection after the expiration date of this permit he shall apply to the Administrator and obtain a new permit. The application should be submitted at least 180 days before the expiration date of this permit. Under this permit, the Department may consider injection after the expiration date a violation of the permit.

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

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

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

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

M. Abandonment

General Requirements:

1. The permittee shall notify the administrator at least thirty (30) days prior to abandonment of the facility.
2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this permit, or describing any deviations from the original plan, shall be submitted as soon as practicable after abandonment. The abandonment shall include reclamation of the well site.

3. Injection wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 16, Section 12.

N. Duties of the Permittee

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

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

O. Signatories Requirement

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

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

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

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

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

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

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

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

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

P. Noncompliance

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

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

Q. Permit Transfer

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

R. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. The state of Wyoming recently passed Wyoming statute §34-1-152 and amended Wyoming statute §34-1-202 regarding the ownership of pore space within the subsurface. The department recommends that permittees consider how these laws may apply to their injection of material into the subsurface.

S. Severability

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

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

- A. UIC Permit Number: 10-245
- B. Facilities Covered: Black Thunder East Septic System
- C. Class of Facility: Class V (Wyoming Water Quality Rules and Regulations, Chapter 16)

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

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

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

- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
Yes
- B. Permit based on deviation from applicable regulations in accordance with approved policy statement.
No

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

Not Applicable

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

Applicable. A groundwater review has been conducted to insure that no groundwater will be impacted by this system. Groundwater is meets the quality of Class IV(A) but has livestock use within the area of review and is therefore a Class III groundwater. Domestic wastewater is not likely to degrade the aquifer.

VI. Documentation of Statement of Basis.

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

VII. Applicant and Public Participation

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

- B. A Public Notice has been issued with a public notice period starting November 19, 2010 and ending on December 18, 2010 (30 day notice as required by Wyoming Water Quality Rules and Regulations, Chapter 16). This notice was published in the Gillette News-Record on or before the start of the public comment period.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6. This review was performed by Adrienne D. Nunn, Project Engineer, and completed on November 8, 2010. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis".



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

December 23, 2010

Thunder Basin Coal Company
Attn: Kenneth Cochran, President and General Manager
PO Box 406
Wright, WY 82732

RE: Black Thunder East Septic System
Final Permit 10-245, Class V Septic System
Campbell County, Wyoming

Dear Mr. Cochran:

Attached please find one copy of the Class V permit for the above referenced facility. The permit application, draft permit, final permit, public notice, and report forms are available for review on the GEM website <https://gem.trihydro.com>.

A notice of construction completion is due once the new septic system is constructed. Also, provide as-built details of the septic system.

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

If you have any questions please do not hesitate to contact me at (307) 777-6428, anun@wyo.gov or at the address listed below.

Sincerely,

Adrienne Nunn
Project Engineer
Water Quality Division

ADN/rm/10-1107

Enclosures: Permit, Notice of Construction Completion Form

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

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

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



Matt Mead, Governor

John Corra, Director

January 14, 2011

Certified - Return Receipt Requested

Fred Ells
2043 Mariposa Ave.
Boulder, Colorado 80302

RE: **Inactive Application Number 10-244 / Action: Application Returned-Incomplete**
Facility: Sunrise 2-Plex Custom Septic System, Location: Platte County

Dear Mr. Ells:

Your application, number 10-244, for a residential on-site duplex septic system is considered inactive. It has been over 6 months since the Wyoming Department of Environmental Quality (DEQ) / Water Quality Division (WQD) first received the application for this project on June 15, 2010. At least three phone reviews were conducted between June 16th and July 20th asking for more complete information about the nature and details of this "custom" septic system design. These phone review comments and requests indicated that this application could not be permitted as proposed because the application package lacked sufficient detail, calculations, and had other deficiencies, rendering the application too incomplete to conduct a thorough review. Chapter 3, Section 9(a)(ii) of the Water Quality Rules and Regulations states the following:

Incomplete applications will be processed in the following manner:

- 1) Additional information shall be requested in detail or the application may be returned to the applicant. Incomplete permit applications will result in permit denial;
- 2) If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned;

This project **has not been permitted**. Construction of this facility without a permit is a violation of the Environmental Quality Act and is punishable with fines not to exceed \$10,000 per day of violation. The WQD is aware of the situation that your primary residence west of Boulder, Colorado was burnt to the ground in a major forest fire on September 6, 2010, and that as a result of the fire all of your records (not just the papers for this application) were destroyed in the fire. In light of these circumstances, the WQD is returning your entire application package and materials so that you will have documents to start the application process over with from fresh. Because the WQD is aware that this facility and wastewater system has already been partially constructed for use as a single family home, the application and permitting process must be completed. Since this original

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ADMIN/OUTREACH (307) 777-7758 FAX 777-7882	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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application package is being returned, the application process must be started over and a new, updated and complete application must be, and shall be, received by this office no more than 90 days after receipt of this letter. If a complete and adequate application package is not received within the time allotted, enforcement procedures can, and very likely will be, started. To ensure that the replacement application package is complete and adequate, it is strongly recommended that because of the unusual nature of the "custom" features of the proposed design that you retain the services of a Wyoming Licensed Professional Engineer.

If you should have any questions, or if the WQD has gotten any of the facts of this situation wrong, or has made any errant assumptions, please contact Ronald Ewald at either (307) 777-6183 or rewald@wyo.gov. Please be reminded that the WQD could show up some time in the future to verify that no further unauthorized septic system construction/installation has occurred at this location.

Sincerely,



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

RLE/rm/11-0074

cc: IPS
Southeast District, WQD: Inactive Application Returned file

Enclosures: Application package (3 sets), and disk



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

November 15, 2010

Lisa Lindemann
Wyoming State Engineer's Office
122 West 25th Street
Cheyenne, Wyoming 82002

RE: Black Thunder East Septic System
Draft Permit 10-245, Class V Septic System
Campbell County, Wyoming

Dear Ms. Lindemann:

Thunder Basin Coal Company has submitted an application to replace a large capacity septic system that injects into the Burning Coal Draw Alluvium located in Section 14, T43N, R70W. This agency has drafted a permit and a public notice.

The permit application, draft permit, and public notice are available for review on the GEM website <https://gem.trihydro.com>.

Please review this application and submit your comments within the next 30 days.

Sincerely,

Adrienne Nunn
Project Engineer
Water Quality Division

ADN/rm/10-1015

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

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

THE PURPOSE OF THIS NOTICE IS TO INDICATE THE STATE OF WYOMING'S INTENTION TO ISSUE AN UNDERGROUND INJECTION CONTROL PERMIT AND TO CLASSIFY THE RECEIVING GROUNDWATER OF THE STATE IN THE VICINITY OF THE PERMITTED INJECTION UNDER THE WYOMING ENVIRONMENTAL QUALITY ACT (35-11-101 ET. SEQ. WYOMING STATUTES 1957, CUMULATIVE SUPPLEMENT 1973), AND DEPARTMENT OF ENVIRONMENTAL QUALITY, WATER QUALITY RULES AND REGULATIONS CHAPTERS 8 AND 16. THIS PERMIT WILL ALLOW THE CONTINUED DISPOSAL OF AN AVERAGE OF 3,532 GALLONS PER DAY AND A MAXIMUM OF 5,886 GALLONS PER DAY OF WASTEWATER AND SEWAGE INTO A LEACH FIELD.

PERMIT NUMBER: **10-245**; PREVIOUS PERMIT NUMBERS: 5E3-98-1; PERMITTEE NAME: Thunder Basin Coal Company, PO Box 406, Wright, WY 82732; PHONE: (307) 464-2202; FACILITY NAME AND LOCATION: Black Thunder East Septic System located in Section 14, Township 43 North, Range 70 West, Sixth Principal Meridian, all in Campbell County, Wyoming.

The application is for the replacement of a large capacity septic system. The injection well is authorized to continue to inject an average 3,532 gallons per day (gpd) and a maximum of 5,886 gpd of treated domestic sewage. The wastewater is produced from change room/locker areas and showers for coal mine employees. The wastewater is injected into the Burning Coal Draw Alluvium. The shallowest groundwater is at least 28 feet below ground surface within the area of review. There is a layer of clay at approximately 12 feet below ground surface.

The groundwater in the Burning Coal Draw Alluvium is classified as Class III according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater in this formation is currently being used for livestock purposes within the area of review. Background water samples meet the standards of a Class IV (A) groundwater because the Total Dissolved Solids concentration is greater than 3,000 mg/L. The groundwater must be protected for the higher class or Class III. Class III groundwater is suitable for livestock use. Groundwater of Class III shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

Other tentative determinations have been made by the State of Wyoming relative to conditions to be imposed on the permit. These conditions will assure that useable water of the State will be protected and applicable provisions of State statutes and regulations will be followed.

PUBLIC COMMENTS on the proposed permit and the proposed groundwater classification may be mailed to: Wyoming Department of Environmental Quality, Water Quality Division, John Passehl, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; or by FAX to (307) 777-7610. All comments received at or prior to December 19, 2010 will be considered.

(Public Notice 10-245 - Publish on or before November 15, 2010, Gillette-News Record)
ADN/rm/10-1015



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 17, 2010

Eugene Ninnie
Town of Pinedale
P.O. Box 709
Pinedale, WY 82941

RE: Pinedale - Magnolia North Alley - Sewer Main Replacement - Permit Number 10-246,
Patterson First Addition, Lat: 42.86°, Long: 109.86°, Sublette County

Dear Mr. Ninnie:

The above application for coverage under General Permit to Construct the extension of a sewage collection main consisting of about 655 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 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



XC:

Jason Zakotnik, P.E., WLC Engineering, P.O. 1519, Pinedale, WY 82941

PDF: IPS Cheyenne



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 18, 2010

Frank Houk, Mayor
Town of Greybull
P.O. Box 271
Greybull, WY 82414

RE: Greybull 3rd Addition Sewer Line Project. DEQ Permit #10-247, Big Horn County, Lat 44.4917, Long -108.0533

Dear Mayor Houk:

This project consists of installing 360 linear feet of 8-inch sewer line to serve seven residential connections. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7, and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct, the 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 James Brough at 307-335-6961.

Sincerely,

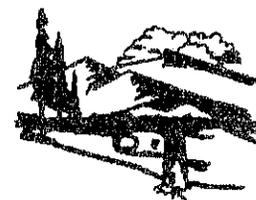
James Brough, P.E.
Northwest District Engineer
Water Quality Division

xc: Travis L. Conklin P.E., Engineering Associates, P.O. Box 1900, Cody, WY 82414
PDF to Cheyenne





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 7, 2010

John Reede
PO Box 53
Rozet, WY 82727

RE: Reede Small Residential Wastewater System, Crook County
Location: SW ¼ NW ¼, Section 13, T50N, Range 66W;

Permit # 10-248

Dear Mr. Reede:

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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307. 283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels

Suzanne Engels
WDEQ/WQD

SE/rm/10-0576

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

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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STATEWIDE SALT SAND STOCKPILE AND RUNOFF COLLECTION POND PERMIT

New

PERMIT NO. 10-249

This permit hereby authorizes the applicant:

Wyoming Department of Transportation
5400 Bishop Blvd.
Cheyenne, WY 82009-3340

to membrane underlined salt sand stockpile pads draining to runoff collection ponds according to the procedures and conditions of the application number 10-249. The application site is located Statewide in the State of Wyoming. This permit shall be effective until terminated by the Department of Environmental Quality.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the Wyoming Department of Transportation (WYDOT) and determined that it meets minimum applicable standards. Compliance with DEQ standards is the responsibility of the WYDOT.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or operations described herein. This permit verifies only that the submitted application meets the 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 of, the permitted activity. The WYDOT is solely responsible for any liability arising from the construction or operations. By issuing this permit, the state does not waive its sovereign immunity.

The WYDOT shall allow authorized representatives from the DEQ, Water Quality Division (WQD), upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

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 WYDOT 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.

WYDOT 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 WYDOT 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, WYDOT shall comply with all of the following permit conditions:

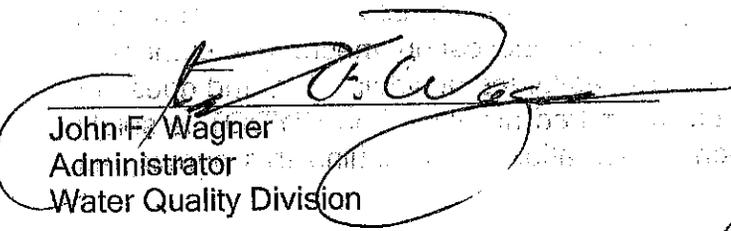
1 of 3 All construction shall conform to the design titled "State Wide Salt Sand Stockpile Sites" signed and stamped by Leroy T. Wells, III Wyoming P.E. 4262, dated 6/14/2010.

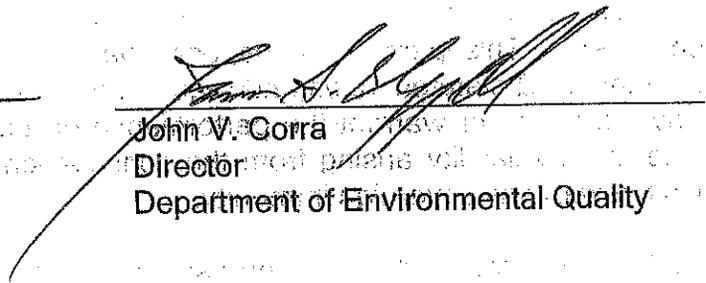
2 of 3 WYDOT shall maintain engineer stamped and signed plans and history of runoff collection levels and removals for each salt sand facility constructed under permit to construct 10-249 in the appropriate WYDOT district office.

3 of 3 WYDOT shall make the plans and the history of runoff collection levels and removals for each salt sand facility constructed under permit to construct 10-249 available to DEQ upon request.

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

6-30-10
Date of Issuance

LBH/rm/10-0546

cc: Rich Cripe, WQD Cheyenne
Mark Baron, WQD Lander
James Brough, WQD Lander
Karen Farley, WQD Casper
Barb Sahl, StormWater Cheyenne

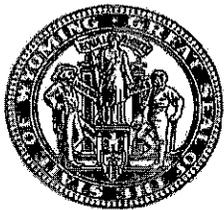
STATEMENT OF BASIS

1. General information.
 - A. Permit Number: 10-249
2. Application complies with Chapter 11.
- V. The design of the salt sand stockpiles sites is protective of the groundwater as required by Section 17, Chapter 3 due to the protected 60 mil HDPE membrane
NO
- VII. Documentation of Statement of Basis.

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Louis B. Harmon, Southeast District Engineering Supervisor, and completed on June 24, 2010. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

August 6, 2010

Robert C. Hartley, P.E.
City of Newcastle
10 West Warwick
Newcastle, WY 82701

RE: City of Newcastle Water and Sewer Improvements 2009, WDEQ #10-250

Dear Mr. Hartley:

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

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

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

Sincerely,

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

Enclosures: Certificate of Completion

cc: WDEQ File
IPS

