

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-401

REFERENCE PERMIT NO. 13-315

Casper Logistics Hub – Sanitary Sewer Improvements Project Phase II

This permit hereby authorizes the applicant:

Rich Fairservis
1300 Venture Way
Casper, WY 82609

to construct, install or modify the Casper Logistics Hub Sanitary Sewer Improvements consisting of approximately 20,000 feet of sanitary sewer force main and flushing pumping system according to the procedures and conditions of the application number 13-401. The facility is located in the NE ¼ of Section 9, Township 34 North, Range 80 West, further located in Natrona County, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2015.

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

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

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

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

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

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

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

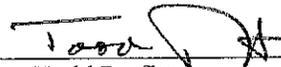
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 4 The applicant will provide immediate oral or written notice to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601, Phone 307-473-3465, FAX 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided and must be completely filled out.
- 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:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

12-20-13

Date of Issuance

JRV/rm/13-1212

cc: Tom Brauer, P.E., Civil Engineering Professionals, Inc., 6080 Enterprise Drive, Casper, WY 82609
David Hill, P.E., City of Casper, 200 North David Street, Casper, WY 82601

STATEMENT OF BASIS

1. Permit Number: 13-401
2. Application reviewed for compliance with the following applicable regulations :
CHAPTER 3 AND CHAPTER 11 OF THE WYOMING WATER QUALITY RULES AND REGULATIONS
3. Does the permit comply with all applicable regulations identified above?

NO. A VARIANCE WAS REQUESTED TO THE MINIMUM SIZE REQUIREMENT OF FOUR INCHES FOR A FORCE MAIN.
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.

YES. THE PROPOSED FORCE MAIN IS THREE INCHES IN DIAMETER. DUE TO THE SIZE OF THE DEVELOPMENT AND LIMITED NUMBER OF CONNECTIONS, A CONVENTIONAL COLLECTION SYSTEM IS NOT FEASIBLE. INDIVIDUAL LOTS WILL BE REQUIRED TO CONNECT WITH GRINDER PUMPS. IN ADDITION, THE REDUCTION IN LINE SIZE WILL REDUCE DETENTION TIMES.
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Jason Vreeland, P.E., and completed on December 17, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality

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



Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

October 24, 2013

Beth Reilly
P.O. Box 7386
Alva, WY 82711

RE: Reilly Small Wastewater System
Application No. 13-402, Crook County

Dear Ms. Reilly:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon J&D Precast concrete septic tank discharging into four pipe and rock trenches approximately 100 feet in length each, for a residential building located in the SW¼, Section 20, Township 54N, Range 63W, Crook County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2015**.

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

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

Additionally, the following permit condition applies:

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

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

Sincerely,

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

cc: IPS, Cheyenne
WDEQ Casper File
Tim Lyons, Crook County Growth and Development
Gantz Backhoe Service, P.O. Box 280, Hulett, WY 82720

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

Lander
510 Meadowview Drive 82520
(307) 332-3144

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





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Matthew H. Mead, Governor

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John Corra, Director

NOTIFICATION OF COVERAGE

October 8, 2013

Rolland Helkenn
P.O. Box 295
Sundance, WY 82729

RE: Wade Helkenn Small Wastewater System
Application No. 13-403, Crook County

Dear Mr. Helkenn:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,250 gallon ICM concrete septic tank discharging into two Biodiffuser High Capacity chambered trenches of 7 chambers each, for a residential building located in the NE $\frac{1}{4}$, Section 6, Township 49N, Range 64W, Crook County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2015.

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

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

Additionally, the following permit condition applies:

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

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

Sincerely,

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

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

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

Lander
510 Meadowview Drive 82520
(307) 332-3144

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





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John Corra, Director

NOTIFICATION OF COVERAGE

October 8, 2013

Wade Helkenn
P.O. Box 295
Sundance, WY 82729

RE: Wade Helkenn Small Wastewater System
Application No. 13-404, Crook County

Dear Mr. Helkenn:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,250 gallon ICM concrete septic tank discharging into two Biodiffuser High Capacity chambered trenches of 9 chambers each, for a residential building located in the **SE¹/₄, Section 31, Township 50N, Range 64W**, Crook County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2015.

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

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

Additionally, the following permit condition applies:

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

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

Sincerely,

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

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





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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

September 30, 2013

James Desmond
9727 Burberry Way
Littleton, CO 80129

RE: Desmond Cabin Septic Tank Replacement Project, DEQ Permit #13-405, Carbon County, Section 28, T16N, R81W

Dear Mr. Desmond:

This project consists of replacing a 500-gallon, steel septic tank with a 1000-gallon, concrete septic tank to serve a one-bedroom cabin. The above application for coverage under General Permit has been reviewed in accordance with **Chapter 3, Section 7; and Chapter 25** of the Wyoming Water Quality Rules and Regulations and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package and the **General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility**.

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

If you have any questions, please contact Seth Tourney at 307-777-7088 or James Brough at 307-335-6961.

Sincerely,

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

xc: PDF to Cheyenne
Attn: Buddy, All In One Plumbing, P.O. Box 1963, Laramie, WY 82073

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

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

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

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

SOLID & HAZARDOUS WASTE
(307) 332-8924
FAX 332-7726

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





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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

October 3, 2013

Thad York, General Manager
P.O. Box 714
Encampment, WY 82325

RE: Ponderosa Residential Septic Project, DEQ Permit #13-406, Carbon County, SW ¼, NE ¼,
Section 33, T15N, R84W

Dear Mr. York:

This project consists of installing a septic tank, a lift station and a drainfield to serve a two-bedroom house. The above application for coverage under General Permit has been reviewed in accordance with **Chapter 3, Section 7; and Chapter 25** of the Wyoming Water Quality Rules and Regulations and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package and the **General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility.**

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

If you have any questions, please contact Seth Tourney at 307-777-7088 or James Brough at 307-335-6961.

Sincerely,

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

xc: PDF to Cheyenne
Kent Smith, P.O. Box 584, Saratoga, WY 82331

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

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(307) 332-3047
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(307) 332-8924
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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

November 7, 2013

Schlumberger Technology Corporation
Attn: James Raymond, Facilities Manager
6322 Clear Creek Parkway
Cheyenne, Wyoming 82007

RE: Schlumberger Cheyenne Central Maintenance Facility Potable Water system Expansion,
Application No. 13-407, Laramie County

Dear Mr. Raymond:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems** consisting of installing approximately 1100 lineal feet of 1.5-inch water and **Existing Sewage Collection Systems** consisting of replacing approximately 200 lineal feet of 4-inch sanitary sewer located in the **Northeast ¼ of the Northeast ¼, Section 27, T13N, R67W, Laramie County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **November 7, 2018**.

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. 13-407 in any future correspondence.

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

Sincerely,

Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division
SWT/rm/13-1079

Enclosures: Certificate of Completion form

cc: IPS

Rick Deuell, Deuell Environmental, LLC, 1653 Diamond Head Court, Laramie, Wyoming 82072

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	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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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

September 30, 2013

University of Wyoming
Attn: Ken Jones, Manager Capital Projects
1000 E University Ave. Dept 3413
Laramie, Wyoming 82071

RE: University of Wyoming Indoor Golf Practice Facility,
Application No. 13-408, Albany County

Dear Mr. Jones:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems** consisting of installing approximately 360 LF of 8-inch water main and Existing **Sewage Collection Systems** consisting of installing approximately 750 lineal feet of 8-inch sanitary sewer main located in the South 1/2 of the Northwest 1/4, Section 35, T16N, R73W, Albany County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

1. On Sheet C-113, the 4-inch sanitary sewer service upstream from San MH A2 shall have a two percent (2.0 %) slope or greater in accordance with Chapter 11 Section 9 (c)(iii)(B) of the Water Quality Rules and Regulations.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **September 30, 2018**.

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

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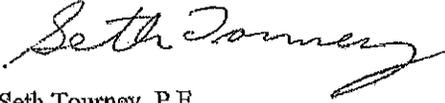
ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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Please reference Application No. 13-408 in any future correspondence.

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

Sincerely,



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

SWT/rm/13-0943

Enclosures: Certificate of Completion form

cc: IPS
Cal Van Zee, City of Laramie, P.O. Box C, Laramie, Wyoming 82073
David Coffey, Coffey Engineering & Surveying, 902 S. 3rd Street, Laramie, Wyoming 82070



Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

December 17, 2013

Mr. John W. Cash, Vice President
Lost Creek ISR, LLC
5880 Enterprise Drive, Suite 200
Casper, WY 82609

RE: Lost Creek ISR, LLC
Final Permit **13-409**, Class I
Facility Number WYS-037-00122
Sweetwater County, Wyoming

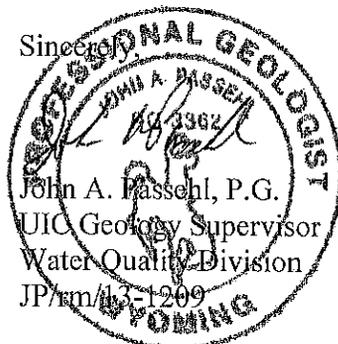
Dear Mr. Cash:

Attached please find one copy of the Class I permit. This permit requires the following reports as follows: one-time pressure fall-off test, one-time step rate test, notification of construction completion of injection well, and a Part I and Part II mechanical integrity test prior to injection and once every five (5) years. The corresponding report forms can be filled out using our on-line webform (*Monitor Reports link*) at the following site: <https://gem.wqd.apps.deq.wyoming.gov/default.aspx>

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

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

Sincerely,



John A. Passehl, P.G.
UIC Geology Supervisor
Water Quality Division
JP/rm/lj3-1209

Enclosures: Permit

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ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	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
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
- () Renewal

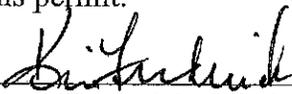
Permit Number: **13-409**
Previous Permit: 09-586
UIC Facility Number: WYS-037-00122

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, Chapter . 250, Section 1) and Wyoming Water Quality Rules and Regulations Chapter 13.

Applicant: Lost Creek ISR, LLC
5880 Enterprise Drive, #200
Casper, WY 82609

Lost Creek ISR,, LLC, hereafter referred to as the permittee, is authorized to drill, complete, and operate wells **DW No. 1, DW No. 2, DW No. 3, DW No. 4, and DW No. 5** in Sweetwater County, according to the procedures and conditions of application 13-409 and requirements and conditions of this permit. Issuance of this permit 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(s) do not comply with all the terms and conditions of this permit (Chapter 13, Section 8(e)).

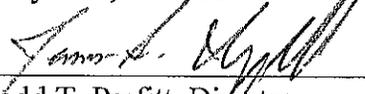
This is an area permit for up to five (5) wells of the Lost Creek ISR facility. No additional wells may be constructed under this permit without prior permit modification. This permit shall become effective on the date of issuance and is valid for ten (10) years. Any proposed well not completed before expiration of this permit will not be included in a renewal or modification of this permit.



Kevin Frederick, Administrator
Water Quality Division
Herschler Building 4-W, 122 West 25th Street
Cheyenne, WY 82002

12-19-13

Date



Todd T. Parfitt, Director
Department of Environmental Quality
Herschler Building 4-W, 122 West 25th Street
Cheyenne, WY 82002
JP/rm/13-1209

12/23/13

Date

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A. Discharge Zones

The injection wells are authorized to inject into the Fort Union Formation within the intervals specified in **Table 1**:

Table 1 (Discharge Zones)

Well Name	Surface Elevation (ft)	Depth to Top of Discharge Zone (ft)*	Depth to Bottom of Discharge Zone (ft)*	Gross Discharge Zone Thickness (ft)	Well Depth (ft)*
DW No. 1 (existing)	6,816	5,923	9,561	3,638	9,967
DW No. 2 (proposed)	6,873	5,954	8,700	2,746	8,800
DW No. 3 (proposed)	6,984	5,954	8,700	2,746	8,800
DW No. 4 (existing)	6,964	5,960	8,617	2,724	8,617
DW No. 5 (proposed)	6,995	5,954	8,700	2,746	8,800

*All depths referenced to below ground surface (not KB). Proposed wells are estimates.

Perforations in the proposed wells shall be restricted to the Fort Union formation. Additional perforations may be installed in the proposed wells within the intervals given above. Perforations above or below the intervals identified in **Table 1** require the prior written approval from the Administrator.

The confining zone above the discharge zone consists of approximately 306 feet of shale at the base of the Wasatch formation with minor sandstone, siltstone, and coal beds less than 20 feet thick. The confining zone below the discharge zone consists of approximately 1,900 feet of low permeable shales and siltstones of the Lance formation.

B. Well Locations and Areas of Review

The wells authorized by this permit are identified in **Table 2**.

Table 2 (Well Locations)

Well Name	Legal Description	Latitude	Longitude
DW No. 1	NE¼ of SW¼ Section 25; T25N; R93W	42.10696	-107.88607
DW No. 2	NE¼ of SE¼ Section 19; T25N; R92W	42.12259	-107.85526
DW No. 3	SE¼ of SW¼ Section 13; T25N; R93W	42.13335	-107.88443
DW No. 4	NW¼ of SE¼ Section 18; T25N; R92W	42.13545	-107.85915
DW No. 5	NW¼ of SE¼ Section 17; T25N; R92W	42.13714	-107.84069

The Area of Review (Chapter 13, Section 5(b)(iv)(E)) is described using the public lands survey system (PLSS) to the nearest sixteenth section in **Table 3**.

Table 3 (Legal Descriptions of the Areas of Review)

Well Name	Quarter-Quarters	Section	Township/Range
DW No. 1	SW $\frac{1}{4}$	25	T25N, R93W
	S $\frac{1}{2}$ of NW $\frac{1}{4}$		
	W $\frac{1}{2}$ of SE $\frac{1}{4}$		
DW No. 2	SE $\frac{1}{4}$	19	T25N, R92W
	S $\frac{1}{2}$ of NE $\frac{1}{4}$	20	
	E $\frac{1}{2}$ of SW $\frac{1}{4}$		
	W $\frac{1}{2}$ of SW $\frac{1}{4}$		
	SW $\frac{1}{4}$ of NW $\frac{1}{4}$	29	
	NW $\frac{1}{4}$ of NW $\frac{1}{4}$	30	
	N $\frac{1}{2}$ of NE $\frac{1}{4}$		
DW No. 3	SW $\frac{1}{4}$	13	T25N, R93W
	W $\frac{1}{2}$ of SE $\frac{1}{4}$		
	S $\frac{1}{2}$ of NW $\frac{1}{4}$		
	E $\frac{1}{2}$ of SE $\frac{1}{4}$	14	
	NE $\frac{1}{4}$ of NE $\frac{1}{4}$	23	
	N $\frac{1}{2}$ of NW $\frac{1}{4}$	24	
	NW $\frac{1}{4}$ of NE $\frac{1}{4}$		
DW No. 4	W $\frac{1}{2}$ of SW $\frac{1}{4}$	17	T25N, R92W
	SW $\frac{1}{4}$ of NW $\frac{1}{4}$	18	
	SE $\frac{1}{4}$		
	SW $\frac{1}{4}$		
	NE $\frac{1}{4}$	19	
	S $\frac{1}{2}$ of NW $\frac{1}{4}$		
	NE $\frac{1}{4}$		
	N $\frac{1}{2}$ of NW $\frac{1}{4}$	20	
	NW $\frac{1}{4}$ of NW $\frac{1}{4}$		
DW No. 5	W $\frac{1}{2}$ of NW $\frac{1}{4}$	16	T25N, R92W
	NW $\frac{1}{4}$ of SW $\frac{1}{4}$		
	NE $\frac{1}{4}$	17	
	E $\frac{1}{2}$ of NW $\frac{1}{4}$		
	E $\frac{1}{2}$ of SW $\frac{1}{4}$		
	SE $\frac{1}{4}$		

Results of the area of review calculations (Chapter 13, Section 5(b)(iv)) are shown in **Table 4**. The area of review is based on the larger of the radius of volume of an emplaced waste cylinder, the radius of the cone of influence, or the minimum radius (Chapter 13, Section 5(b)(iv)).

Table 4 (Area of Review)

Well Name	Radius of Volume of Emplaced Waste Cylinder (ft)	Radius of Cone of Influence (ft)	Minimum Radius of Area of Review (ft)
DW No. 1	395	1,120	1,320
DW No. 2	432	1,630	1,320
DW No. 3	432	1,630	1,320
DW No. 4	481	2,390	1,320
DW No. 5	432	1,630	1,320

The DEQ Class VI ground water classification pertains to the radius of volume of emplaced waste for all wells. However, the minimum radius of review that can be used for ground water classification is 1,320 feet. There are no wells which penetrate the confining zone within each of the Areas of Review identified in **Table 4**. All waste injected over the ten (10) year life of this permit (radius of volume of emplaced waste) will remain within a 1,320-foot radius for each well as indicated by the minimum radius of review in **Table 4**. USEPA aquifer exemptions for the Fort Union formation are requested for wells DW No. 2, DW No. 3, DW No. 4, and DW No. 5 using the 1,320 foot radius.

C. Groundwater Classification

Groundwater within the Fort Union Formation is classified as Class VI (Unusable/Unsuitable) in accordance with Water Quality Rules and Regulations (WQRR), Chapter 8. This classification was made for the following reason(s):

- Due to excessive concentration of total dissolved solids or specific constituents (WQRR Chapter 8, Section 4.d.ix.A);
- Is located in such a way including depth below the surface, so as to make use economically and technologically impractical to make the water useable (WQRR Chapter 8, Section 4.d.ix.C).

It is noted that the total dissolved solids for the Fort Union formation for existing wells DW No. 1 and DW No. 4 are 13,229 mg/L (average) and 5,280 mg/L respectively. The Class VI designation extends 1,320 feet in all directions from each injection well.

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 five-hundred (500) feet of the top of the authorized discharge zone (**Table 1**) and within a zone of good quality cement bond (Chapter 13, Section 9(d)(xxv)). The tubing shall be isolated from the long string casing by an annulus filled with corrosion-inhibiting fluid.

Injection Rates - The wells are allowed the maximum instantaneous injection rate shown in **Table 5** provided that the surface injection pressure limitations are not exceeded.

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 (Chapter 13, Section 9 (d)(ii)). Temporary limits for the proposed wells are listed in **Table 5**. The temporary limit applies until recalculation of the parameters in **Table 5** occurs, following completion of a step-rate injection test. Exceeding the limiting surface injection pressure (LSIP) in **Table 5** 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 (1) year of permit issuance to determine the actual fracture pressure of the receiver (Chapter 13, Section 9 (d)(ii)). For wells which have not been constructed within one (1) 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 (100) vertical feet of the packer. For a conclusive result, at least three (3) of the injection rate steps below the fracture threshold will be collinear. 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 5**, 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 5**, 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. Digital data, analyses, and interpretations for the tests shall be submitted to the Administrator within thirty (30) days or with the next quarterly report after the test is done, 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 5**. During periods of continuous injection, the annulus pressure should be reasonably constant but large variations in pressure are allowed during startup and shutdown. The permittee shall set alarms or use daily observations to detect increases or decreases in annulus pressure and shall immediately cease injection and shut the well in when an alarm is triggered; or the permittee shall install a kill switch to stop injection if casing, tubing, packer, or well head leak. Settings for low- and high-pressure alarms shall take into account annulus pressure changes due to variations in temperature of the injected and annulus fluid.

**Table 5 (Maximum Injection Rates, Annulus Pressures,
and Maximum and Limiting Surface Injection Pressures (MSIP, LSIP))**

Parameter	DW No. 1	DW No. 2	DW No. 3	DW No. 4	DW No. 5
Maximum Injection Rate (bbl/day)	1,714	1,714	1,714	1,714	1,714
Maximum Injection Rate (gpm)	50	50	50	50	50
Maximum Annulus Pressure (psig)	800	800	800	800	800
Minimum Annulus Pressure (psig)	200	200	200	200	200
Fracture Gradient, F (psi/ft)	0.542	0.542	0.542	0.584	0.542
Fracture Pressure, $P_f = F \cdot D_p$	3,210	3,227	3,227	3,480	3,227
Depth to Top of Formation, D_p (ft) (bgs)	5,923	5,954	5,954	5,960	5,954
Temperature at Mid-Point of Perforations (°F)	135	135	135	135	135
Maximum Total Dissolved Solids of Injectate (mg/L)	20,000	20,000	20,000	20,000	20,000
Density of Injectate, ρ_j (g/cm ³)	1.01	1.01	1.01	1.01	1.01
Injectate Fluid Gradient (psi/ft) $grad_j = \rho_j \cdot 12 \frac{in}{ft} \cdot 16.387 \frac{cm^3}{in^3} / 453.592 \frac{g}{lb}$	0.4378	0.4378	0.4378	0.4378	0.4378
Hydrostatic Pressure (psi) $P_h = D_p \cdot grad_j$	2,593	2,607	2,607	2,609	2,607
Tubing Length, T_L (feet)	5,985	5,975	5,975	5,983	5,975
Tubing Inside Diameter, d (inches)	2.441	2.441	2.441	2.441	2.441
Tubing Friction Loss Factor, T (psi/1000 ft)	10	10	10	10	10
Average Injection rate, q (gpm)	50	50	50	50	50
Pressure Loss due to Tubing Friction (psi/ft) $P_d = (4.52q^{1.85}) / (c^{1.85} d^{4.8655})$	0.01004	0.01004	0.01004	0.01004	0.01004
Total Pressure Loss from Tubing Friction (psi) $P_L = P_d \cdot T_L$	60	60	60	60	60
$MSIP = P_f - P_h + P_L$ (psig)	677	680	680	931	680
$LSIP = 0.9 \cdot MSIP$ (psig)*	609	612*	612*	838	612*

*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 (1) year of permit issuance, a step-rate injection test is required before waste injection. c = Hazen-Williams design coefficient for steel piping, normally (130)

Permitted Wastes - Wastes to be injected include liquid waste generated by uranium mining using in-situ leaching at this facility as follows: 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 wash down water, wash waters used in cleaning or servicing the waste disposal system equipment, and storm water at the mine facilities. Permitted wastes also include fluids produced during the drilling, completion, testing, or stimulation of wells or test holes related to mining operations at the 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 11e.(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 disposal of 11e(2) byproduct material without the proper NRC license.

Waste disposal is prohibited until the requirements for financial assurance (Section P) have been met. The permittee shall obtain written authorization from the Administrator prior to waste disposal. Permission to discharge other non-hazardous waste may be authorized through a permit modification (Chapter 13, Section 8(d)(v)). Additional monitoring may be required for additional waste types.

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

Table 6 (Water Quality of the Discharge)

Constituents	Units	Maximum	Minimum
Calcium	mg/L	1,000	200
Sodium	mg/L	3,000	150
Potassium	mg/L	1,000	10
Magnesium	mg/L	100	50
Bicarbonate	mg/L	4,000	1,500
Sulfate	mg/L	2,000	80
Chloride	mg/L	4,000	200
pH	s.u.	9.0	6.0
Total Dissolved Solids (TDS)	mg/L	20,000	4,000
Uranium	mg/L	15	1
²²⁶ Radium	pCi/L	3,000	300

Permitted Corrosion Inhibitors, Anti-Scalants, and Biocides - Corrosion inhibitors, anti-scalants, and biocides may be used with the prior written approval of the Water Quality Division.

New Well Construction - The permittee shall obtain written acceptance of financial assurance from the Administrator prior to injection into any of the proposed wells.

Any well stimulation activities require prior approval by the Administrator.

Injection into a well may not begin until:

1. Well construction is complete (Chapter 13, Section 9(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 website - <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 (Chapter 13, Section 9(d)(xxiv)); and
4. Mechanical integrity of the well has been proven or demonstrated to the satisfaction of the Administrator; and
5. The permittee has demonstrated financial assurance (Chapter 13, Section 17(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 Code of Federal Regulations (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 (Chapter 13, Section 18(b)(i)).

No person shall conduct any authorized injection activity in a manner that results in a movement of fluids out of the receiver (Chapter 13, Section 18(b)(ii)).

No zone or interval other than the discharge zone shall be used as a receiver for the discharge (Chapter 13, Section 18(b)(ii)(A)).

No uncased hole may be used as a conduit for the discharge, excepting that portion of a hole in the discharge zone (Chapter 13, Section 18(b)(ii)(B)).

No annular space between the wall of the hole and the outer casing may be used as a conduit for discharge, excepting in that portion of a hole in the discharge zone (Chapter 13, Section 18(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 an authorized injection facility except in compliance with this permit (Chapter 13, Section 18(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 (Chapter 13, Section 11(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 (Chapter 13, Section 9 (d)(vi)).

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. If such procedures conflict with those in this permit, the conditions in this permit shall take precedence (Chapter 13, Section 18(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 (Chapter 13, Section 9 (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 (Chapter 13, Section 9 (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 (Chapter 13, Section 13(a)(ii)).

I. Monitoring 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 (Chapter 13, Section 9 (d)(xiv)), including all calibration and maintenance records and all original chart recordings for a period of three (3) years after closure of the facility (Chapter 13, Section 15 (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.
3. 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.
4. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
5. 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/Permittee to deliver the records to the Administrator at the conclusion of the retention period.
6. The Permittee shall report any noncompliance which may endanger health or the environment within twenty-four (24) hours from the time the Permittee becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the State;
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the State;
 - c. A written submission shall be provided within five (5) days of the time the Permittee 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.

7. The Permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.
8. 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 thirty (30) days following each schedule date.
9. If the permittee determines that the authorized discharge zones within members and/or formations identified in **Section A** of this permit are inadequate and additional discharge zones are required, a permit modification will be required. The permit modification request shall be supported by data approved by the Administrator.
10. Cement Bond logs (CBL) shall use pad type tools with acoustic directional transmitters and receivers (or pulse-echo/ultrasonic tools) that are sensitive to microannulus and can identify channels in the cement annulus (cement to pipe and cement to formation) that could result in poor hydraulic seal. CBL output tracks shall include as a minimum: gamma, amplitude, CBL waveform, and cement image. CBLs shall be conducted no sooner than seventy-two (72) hours from the last cement job to ensure adequate cement curing. Also, include a cement design on a well schematic showing depth of fill for lead and tail cement (with compressive strength curves) for all stages.
11. The Permittee shall notify the Department fifteen (15) days prior to spudding any injection well so that a joint field inspection may be coordinated between both parties during well construction.
12. The Permittee shall notify the Department thirty (30) days prior to conducting the two-part mechanical integrity tests.
13. For each new well or newly perforated zone within an existing well, the permittee shall collect a baseline groundwater quality sample from each aquifer or formation within the new discharge zones (Chapter 13, Section 13(a)) and submit results for all the analytes and parameters in WDEQ-WQRR Chapter 8, Table I and for the entire suite of volatile/semi-volatile organic compounds listed in EPA Methods 8260 and 8270, or other method acceptable to the Administrator prior to waste injection. The methods and procedures for sample collection and analysis must be approved by the Water Quality Division prior to sampling.
14. For each new well the permittee shall collect at least two (2) measurements of hydraulic head (or fluid density and pressure) within each aquifer or formation within the new discharge zones.

15. The baseline temperature survey shall be logged from the base of the conductor casing to the total depth of the well prior to any injection or other tests.
16. The Permittee shall measure and record times and injection rates during step-rate and pressure fall-off tests as approved by the Department.
17. If the permittee determines that the authorized discharge zones within members and/or formations identified in Section A of this permit are inadequate (and additional discharge zones are requested) then a permit modification will be required. The permit modification request shall be supported by data approved by the Administrator.
18. The Permittee shall conduct a radioactive tracer, spinner, or other test to estimate the proportion of injected fluid accepted within each perforated interval in the Fort Union sandstone.
19. A report describing the drilling, construction, and testing of the permitted well shall be submitted to the Administrator prior to authorization to inject. The mailing address is: UIC Program Supervisor, DEQ – Water Quality Division, Herschler Building – 4W, 122 W. 25th St., Cheyenne, WY 82002
20. Operational Monitoring (Chapter 13, Section 13(b)(ii)):

Injection Pressure - The permittee shall monitor the injection pressure continuously and record the readings on a strip chart recorder, a circular chart recorder, or electronically (Chapter 13, Section 13(i)).

Injection Rate and Volume - The permittee shall monitor the injection rate continuously and record the rates and volumes on a strip chart recorder, circular chart recorder, or electronically (Chapter 13, Section 13(i)).

Annulus Pressure - The permittee shall continuously monitor the pressure of the casing - tubing annulus and record the pressures on a strip chart recorder, a circular chart recorder, or electronically (Chapter 13, Section 13(i)).

Discharge Zone Reservoir Pressure, Reservoir Boundaries or Anomalies, Permeability, and Skin Factor - The permittee shall shut-in each well covered by this permit annually for a period of time long enough to observe a valid pressure fall-off curve (Ch13, Sec13(e)). The minimum duration of injection and fall-off shall be longer than wellbore storage and skin effects and sufficient for persuasive analysis and accurate estimates of permeability. Tests shall be analyzed by the permittee using commonly accepted methods to obtain hydraulic conductivity or permeability, transmissivity, 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 (1) month or with the next quarterly report after the test is done, whichever is later (Chapter 13, Section 15 (f)). These data shall include pressures starting with the introduction of the pressure-measuring device into the well (or for at least one (1) 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.

Cone of Influence - The results of each pressure fall-off test shall be used to update the cone of influence calculation for each discharge zone (**Table 4**). These annual updates shall account for historical injection and remaining project life. The permittee shall provide a map showing the updated Cone of influence and all wells which penetrate the confining zone within the old and new radii of influence.

If the updated cone 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 cone of influence, the permittee shall calculate the expected hydraulic head increase at the end of the permit life (10 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", Chapter 13, 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 (1) 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 (Chapter 13, Section 5(b)(x)).

Cone of influence calculations and figures shall be submitted to the Administrator at the address in paragraph K.6 within thirty (30) days of the annual pressure fall-off test or with the next quarterly report after the test is done, whichever is later (Chapter 13, Section 15(f)).

Physical and Chemical Properties of the Injectate - The permittee shall monitor the quality of the injectate quarterly (Chapter 13, Section 15 (c)(v)), and when significant process changes occur, and when operating changes may significantly alter the waste stream (Chapter 13, Section 13(h)). The samples must be representative of the waste as it enters the disposal wells. If any group of wells receives waste from the same pipe exiting the uranium processing plant or waste collection area, a single sample may be collected for that group from that pipe rather than at individual well locations. **Table 7** lists the analytes and parameters to be analyzed quarterly. WQD may

approve alternate methods to those in **Table 7** 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 7**.

The first three (3) parameters in **Table 7** shall be measured at the sample site unless other methods are approved by the Administrator. Specific conductance shall be reported for the actual sample temperature and the equivalent value at a temperature of 25° C. The other analyses shall be performed by an EPA-certified laboratory.

Table 7 (Analyte and Parameter List for Quarterly Analyses of Injectate)

Sampling Schedule	Analyte or Parameter	EPA Analytical Method	CAS Number
Quarterly January 1 – March 31 April 1 – June 30 July 1 – Sept 30 October 1 – December 31	pH	SM4500-H ⁺ B	None
	Specific Conductance at 25°C	120.1 or SM2510 B	None
	Temperature	SM2550 B	None
	Specific Gravity	none listed	None
	Total Dissolved Solids	160.1 or SM2540 C	None
	Bicarbonate	SM2320 B	71-52-3
	Carbonate	SM2320 B	3812-32-6
	Chloride, Total	300.0 or 300.1	16887-00-6
	Sulfate, Total	300.0, 300.1, or 375.2	14808-79-8
	Hydrogen Sulfide	SM4500-S2-D, SM4500-S2-G	7783-06-4
	Arsenic, Total	206.5, 200.7, or 200.8	7440-38-2
	Selenium, Total	200.7 or 200.8	7782-49-2
	Vanadium, Total	200.7 or 200.8	7440-62-2
	Uranium, Total	908.1 or 200.8	7440-61-1
²²⁶ Radium (picoCuries/liter)	903.1	7440-14-4	

Note: **Table 7** Methods preceded by "SM" are standard methods.

Limiting Concentrations of Injectate - Upper control limits for this permit are listed in **Table 8**. pH has both upper and lower control limits and concentrations must remain within the range indicated in **Table 8**. Exceedances of these values are a violation of this permit and require notification under Section K of this permit.

Table 8 (Control Limits for Injected Waste)

Analyte or Parameter	Lower and Upper Control Limits
pH	2.0 ≤ pH ≤ 12.5 s.u.

J. Sampling and Test Procedures

The following units are to be used where applicable: pounds (mass) per square inch for pressure with gauge 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 other than pH in standard logarithmic units

(s.u.) or radium, radioactive strontium isotopes, and gross alpha particle radioactivity 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 wastes being sampled (Chapter 13, Section 14(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 (3) years after well closure (Chapter 13, Section 15(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 (30) days following each schedule date (Chapter 13, Section 9 (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 (Chapter 13, Section 9 (d)(xxii)).
6. Quarterly Reports - Quarterly reports shall be submitted to the Administrator no later than thirty (30) days after the end of each calendar quarter ((Chapter 13, Section 15 (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.wqd.apps.deq.wyoming.gov/Default.aspx>, within forty-five (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 (Chapter 13, Section 15 (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 well for each month of the quarter, the total for the quarter, and the total cumulative volume of waste injected to date (Chapter 13, Section 15 (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 (Chapter 13, Section 15 (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 (Chapter 13, Section 15 (c)(iii)).
 - h. Any well tests conducted more than thirty (30) days before the end of the quarter (e.g. mechanical integrity, pressure fall-off, or step-rate injection) (Chapter 13, Section 15 (f)) and reports of well workovers (Chapter 13, Section (c)(vi)). See also 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 (30) days after the end of each calendar year (Chapter 13, Section 15 (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 (5) 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 (5) 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 (30) days before the end of a calendar quarter shall be submitted within thirty (30) days of test completion (Chapter 13, Section 15 (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 (Chapter 13, Section 15 (d)).
10. Reports of Plugging and Abandonment – A report of plugging and abandonment (Section N) shall be submitted within thirty (30) days after a well is plugged (Chapter 13, Section 9 (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 (1) year of permit issuance (Chapter 13, Section 9(d)(ii)) or at the time of well completion and prior to waste injection.

L. Permit Conditions

This permit is issued for a period of ten (10) years (Chapter 13, Section 9 (a)). If the permittee wishes to continue injection after the expiration date of this permit, he should apply to the Administrator at least four (4) months prior to the expiration date of this permit (Chapter 13, Section 9 (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 (Chapter 13, Section 9 (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 (Chapter 13, Section 9(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 (Chapter 13, Section 8(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 (Chapter 13, Section 8(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 (Chapter 13, Section 8(e)(iii)).

Permits will be automatically terminated after closure and release of financial responsibility by the Administrator (Chapter 13, Section 8(i)).

This permit will be reviewed by WQD at least once every five (5) years, and may be reviewed more frequently (Chapter 13, Section 9(b)). Permits that do not satisfy the review criteria are subject to modification, revocation and reissuance, or termination (Chapter 13, Section 9(c)).

The conditions in this permit supersede any application content (Chapter 13, Section 18(b)(i)).

M. Mechanical Integrity

Mechanical integrity shall be maintained continuously and tested at intervals of no longer than five (5) years. The test used to determine mechanical integrity shall be a two part test approved by the Administrator (Chapter 13, Section 9 (d)(vii)). The two parts shall be conducted no more than three (3) months 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, and casing (Chapter 13, Section 9(d)(vii)(A)). Prior to operational injection and at least once every five (5) years the casing-tubing annulus of each well shall be tested at a pressure equal to the maximum permitted surface injection pressure (of each well) or 1,000 psig, whichever is greater. A pressure change of less than 10% over a thirty (30) minute test period shall be considered successful.

Part II of the mechanical integrity test shall demonstrate the absence of fluid movement behind the casing (Chapter 13, Section 9 (d)(vii)(B)) above the topmost perforation. Prior to the commencement of waste injection and at intervals of no longer than five (5) years thereafter, and more frequently if required by the Administrator, each well shall be logged using a radioactive tracer survey (or oxygen activation log) and a temperature survey. The static temperature log shall start more than two (2) hours and preferably more than twenty-four (24) hours for an active well, after injection has ceased. The results and their interpretation shall be submitted to the Administrator along with the next quarterly report.

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

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 first approved by the Administrator.

WQD shall be notified a minimum of thirty (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 (30) days or with the next quarterly report after the test is done, whichever is later (Chapter 13, Section 15(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 (Chapter 13, Section 9 (d) (viii)). The Administrator shall be notified by telephone at (307) 777-7781 within twenty-four (24) hours of the test and a written report shall be submitted within seven (7) 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.

Injection into any zone not within the discharge zone is a violation of this permit. The operator shall immediately cease injection and prepare and submit to the Administrator an estimate of the volume and quality of all wastewaters that were injected outside of the discharge zone. In the case where any aquifer meeting the standards for Class I through IV(A) under WQRR, 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 (6) months after:

- Permit expiration (unless application for a new permit has been made and has not been denied by the Administrator) or termination;
- 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 ninety (90) days prior to the start of any conversion or abandonment activity (Chapter 13, Section 9 (d) (xxvi)). The permittee shall follow the plugging and abandonment procedure described in the original application or subsequently prescribed by the Administrator. The procedure shall include well plugging, abandonment, surface reclamation and seeding of the well site, closure of related surge ponds, and removal or purging and plugging of any underground piping. Well plugging shall meet the requirements of Wyoming Water Quality Rules and Regulations Chapter 26, Section 6 for sealing the well annulus and of Chapter 26, Section 9 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 (Title 40 CFR Part 146.10).

Within thirty (30) days after plugging and abandonment of any wells covered by this permit, the permittee shall submit a plugging and abandonment report, detailing the compliance with the plugging and abandonment procedures outlined in the original permit application, and describing any deviation from the original plan (Chapter 13, Section 9 (d)(xxvii)).

O. Duties of the Permittee

Duty to Comply - The permittee shall comply with all conditions of this permit (Chapter 13, Section 9(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 (Chapter 13, Section 9(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 (Chapter 13, Section 9(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 (Chapter 13, Section 9(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. (Chapter 13, Section 9(d)(xi)).

Duty to Provide Records - The permittee shall furnish the Administrator, upon request, copies of records required to be kept by this permit (Chapter 13, Section 9(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 (Chapter 13, Section 9 (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 (Chapter 13, Section 9(d)(xxiii)).

Duty to Monitor - Monitoring results shall be obtained and reported at the intervals specified elsewhere in this permit (Chapter 13, Section 9(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 one (1) month 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 reclaim the surface facilities in a manner prescribed by the Administrator (Chapter 13, Section 17(a)).

The obligation to maintain financial assurance survives the termination of the permit or the cessation of injection (Chapter 13, Section 17(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 two (2) weeks and obtain other financial assurance within two (2) months. If the permittee is named as debtor in any voluntary or involuntary bankruptcy proceeding, it must notify the Administrator within two (2) weeks.

The financial assurance instrument for reclamation and restoration of these facilities shall include a minimum of \$112,950 per well for plugging and abandonment upon completion of each well, but prior to the start of injection. On January 23, 2013 the Land Quality division (LQD) approved Lexon Insurance Company Bond No. 1062388 (for LQD permit No. 788) for a sum of eight million, five hundred ninety-nine thousand dollars (\$8,599,000). This bond needs to be amended to include updated plugging and abandonment costs for existing Class I wells DW No. 1 and DW No. 4. The permittee may alternatively submit a separate financial assurance instrument only for the proposed wells to be constructed to the Administrator for approval. In that case, injection shall not proceed prior to written acceptance by the Administrator. This financial instrument shall be maintained as long as any of the wells are covered under this permit.

The financial assurance amount shall be updated each calendar year on the anniversary date of the annual report that is submitted in accordance with Land Quality Division rules and regulations. Annual financial responsibility document updates shall be submitted to the Administrator no later than February 14th of each year.

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 (Chapter 13, Section 9(e)).

R. Signatories Requirement

All reports filed in conjunction with this permit shall contain the following certification (Chapter 13, Section 9(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." (Chapter 13, Section 5(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:

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

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

S. Noncompliance

Any permit noncompliance constitutes a violation of WQRR Chapter 13 and is grounds for enforcement action, permit termination, revocation, or modification (Chapter 13, Section 9 (d)(i)). 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 (5) days (Chapter 13, Section 9 (d)(xxi)).

The oral report shall 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 shall 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 (Chapter 13, Section 9(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 first be approved by the Administrator and no transfer shall be approved unless the proposed permittee agrees to correct any and all noncompliance issues (Chapter 13, Section 9 (d)(xviii) and Chapter 13, Section 8(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, or any infringement of federal, state, or local laws or regulations (Chapter 13, Section 9(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. The Permittee shall 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:

USEPA – United States Environmental Protection Agency (EPA)

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

WDEQ – Wyoming Department of Environmental Quality

WQD – Water Quality Division of WDEQ

END OF PERMIT



Department of Environmental Quality



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

Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

September 30, 2013

Joshua & Kandis Fritz
291 Canyon Acres
Rawlins, WY 82301

RE: Fritz Septic System Project, DEQ Permit #13-410, Carbon County, Section 18, T21N, R87W

Dear Mr. & Mrs. Fritz:

This project consists of installing a 1500-gallon septic tank and a gravity fed drainfield to serve a four-bedroom house. The above application for coverage under General Permit has been reviewed in accordance with **Chapter 3, Section 7; and Chapter 25** of the Wyoming Water Quality Rules and Regulations and is hereby approved, **provided that the drainfield size is increased from thirty-six (36) chambers to forty-two (42) chambers.** You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package and the **General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility.**

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

If you have any questions, please contact Seth Tourney at 307-777-7088 or James Brough at 307-335-6961.

Sincerely,

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

xc: PDF to Cheyenne
Attn: Joe, Eagle Plumbing & Construction, 1624 East Murray St., Rawlins, WY 82301

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) 332-6765
FAX 332-7726

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

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

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





Department of Environmental Quality

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Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

October 16, 2013

Jim Thares
P.O. Box 1359
Aberdeen, SD 57402

RE: Prairie Hills Farms As-Built Small Wastewater System
Application No. 13-412, Weston County

Dear Mr. Thares:

The above application for coverage under the General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of an existing 1,000 gallon septic tank and two trench leachfield, for a four bedroom home located in **Section 8, Township 45N, Range 61W**, Weston County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package.

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

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

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

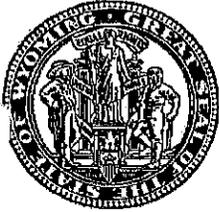
If you have any questions, please contact me at 307-473-3469.

Sincerely,

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

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





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Matthew H. Mead, Governor

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John Corra, Director

NOTIFICATION OF COVERAGE

October 1, 2013

Jim Thares
Prairie Hill Farms, LLC.
P.O. Box 1359
Aberdeen, SD 57402

RE: Prairie Hill Farms Cabin #1 Small Wastewater System
Application No. 13-413, Weston County

Dear Mr. Thares:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon J&D Precast concrete septic tank discharging into two Infiltrator EQ36 chambered trenches of approximately 10 chambers each, for a residential building located in the NE¼, Section 8, Township 45N, Range 61W, Weston County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2015.

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

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

Additionally, the following permit condition applies:

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

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

Sincerely,

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

cc: IPS, Cheyenne
WDEQ Casper File (Electronic)
Weston County Growth and Development, 1 West Main Street, Newcastle, WY 82701
Black Hills Plumbing, Inc., 1122 S. Summit Avenue, Newcastle, WY 82701

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

Lander
510 Meadowview Drive 82520
(307) 332-3144

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





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Matthew H. Mead, Governor

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John Corra, Director

NOTIFICATION OF COVERAGE

October 1, 2013

Jim Thares
Prairie Hill Farms, LLC.
P.O. Box 1359
Aberdeen, SD 57402

RE: Prairie Hill Farms Cabin #2 Small Wastewater System
Application No. 13-414, Weston County

Dear Mr. Thares:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon J&D Precast concrete septic tank discharging into two Infiltrator EQ36 chambered trenches of approximately 10 chambers each, for a residential building located in the NE¼, **Section 8, Township 45N, Range 61W**, Weston County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2015.

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

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

Additionally, the following permit condition applies:

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

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

Sincerely,


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

cc: IPS, Cheyenne
WDEQ Casper File (Electronic)
Weston County Growth and Development, 1 West Main Street, Newcastle, WY 82701
Black Hills Plumbing, Inc., 1122 S. Summit Avenue, Newcastle, WY 82701

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

Lander
510 Meadowview Drive 82520
(307) 332-3144

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





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Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

October 15, 2013

Jim Thares
Prairie Hill Farms, LLC.
P.O. Box 1359
Aberdeen, SD 57402

RE: Prairie Hill Farms Log Home Small Wastewater System
Application No. 13-415, Weston County

Dear Mr. Thares:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon J&D Precast concrete septic tank discharging into two Infiltrator EQ36 chambered trenches of approximately 10 chambers each, for a residential building located in the NE¼, Section 8, Township 45N, Range 61W, Weston County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2015.

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

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

Additionally, the following permit condition applies:

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

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

Sincerely,

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

cc: IPS, Cheyenne
WDEQ Casper File (Electronic)
Weston County Growth and Development, 1 West Main Street, Newcastle, WY 82701
Black Hills Plumbing, Inc., 1122 S. Summit Avenue, Newcastle, WY 82701

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

Lander
510 Meadowview Drive 82520
(307) 332-3144

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



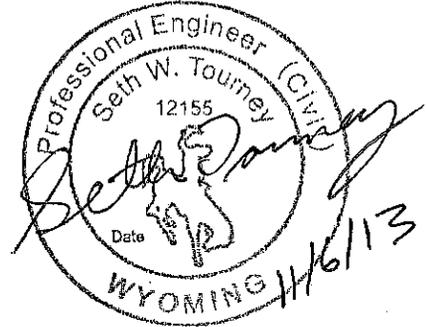
REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Jewell Residential Septic System

APPLICANT: Gary & Mary Jewell
40 Sheep Mountain Road
Wheatland, WY 82201

WATER QUALITY DIVISION REFERENCE NUMBER: 13-416
REVIEWING ENGINEER: Seth W. Tourney
DATE OF REVIEW: November 6, 2013



ACTION: **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 14(a), Chapter 3, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with said Section 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS

1. It appears that it is not desired to rotate this leachfield. I am assuming that this is due to the elevation and slopes across the site. Please demonstrate if this concept, or provide the reason for the configuration of the leachfield.
2. If the proposed configuration is to be approved, the influent pipe will need to be located in the middle of the leachfield trench to allow for even distribution of your effluent flows.
3. Please provide a detail of your tee connection with the infiltration unit.
4. With the infiltration proposed leachfield configuration, the driveway and parking areas are a possible concern. Please add these areas to the site plan to ensure that the leachfield will not be exposed to activities that will compact the soil in this area.

Please feel free to call me at 307-777-7088, if you have any questions.

END OF REVIEW

SWT/rm/13-1074

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY / WATER QUALITY DIVISION

122 West 25th Street, Herschler Building 4 West, Cheyenne, Wyoming 82002

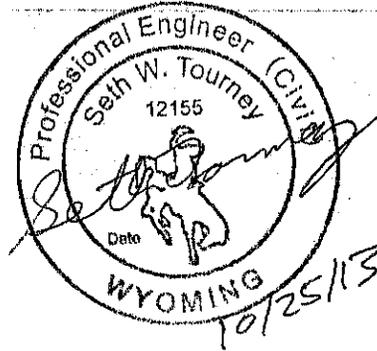
PROJECT: Jewell Residential Septic System

APPLICANT: Gary & Mary Jewell
40 Sheep Mountain Road
Wheatland, WY 82201

WATER QUALITY DIVISION REFERENCE NUMBER: 13-416

REVIEWING ENGINEER: Seth W. Tourney

DATE OF REVIEW: October 25, 2013



ACTION: **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 14(a), Chapter 3, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with said Section 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS

1. The site plan needs to be revised to show the proper trench configuration and piping configuration for the design. The trench cannot be turned 90 degrees without bends and fittings. Please provide all of the pipe layouts with bends and fittings with cleanouts at the bends. (See comments on attached site plan)
2. The site plan indicates that the drainfield is approximately 10 feet from the property line. However, it needs to indicate wells, buildings, and streams within 100 feet of the drainfield and within 50 feet of the septic tank. If no such features exist within 100 feet, please add a note to your revised site plan.

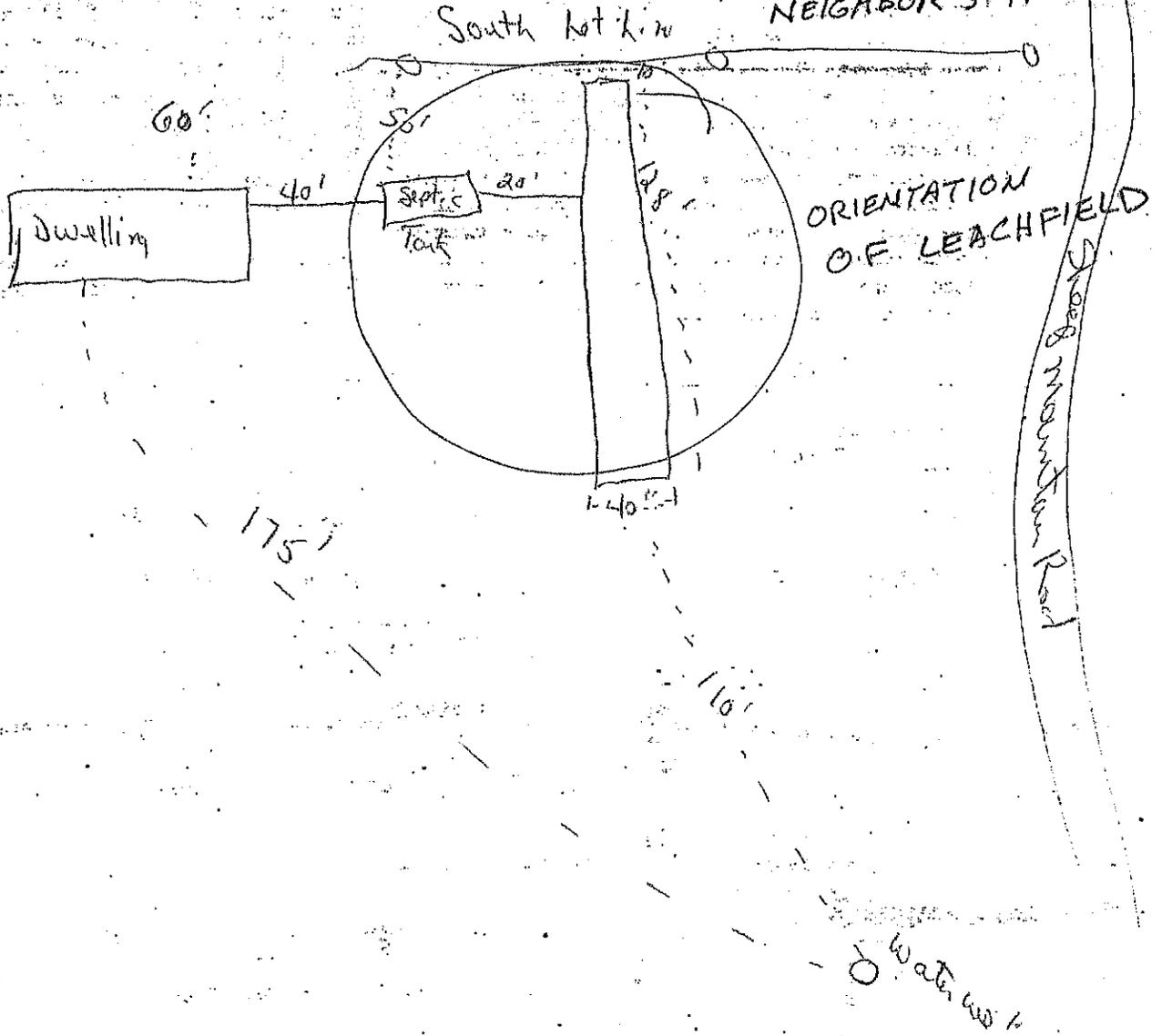
END OF REVIEW

SWT/rm/13-1030

SITE PLAN

Jewell N. Resealed Septic System

CLOSEST WELL ON NEIGHBOR'S PROPERTY





Department of Environmental Quality

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



Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

December 10, 2013

Gary and Mary Jewell
40 Sheep Mountain Road
Wheatland, WY 82201

RE: Jewell Residential Septic System,
Application No. 13-416, Platte County

Dear Mr. and Mrs. Jewell:

The above application for coverage under General Permit to Construct an already Installed, Modify or Operate a **Small Wastewater Facility** consisting of a 1000 gallon septic tank discharging into about 128 feet of chamber type trench leachfield consisting of 29 Infiltrator Quick 4 chambers for a 4 bedroom home located in the **NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 35, T26N, R70W, Platte County** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific conditions also apply:

- A. 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.**

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. 13-416 in any future correspondence.

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

Sincerely,

Seth Tourney, P.E.
Southeast District Engineer
Southeast District, Water Quality Division
SWT/rm/13-1171

cc: IPS

Reed Elmquist, Platte County Planning Office, PO. Box 728, Wheatland, WY 82201

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

ADMIN/OUTREACH (307) 777-7158 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6452	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7156 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7152 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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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: Rawlins WWTP Aeration Upgrade

ENGINEER: Robert Hood
Sunrise Engineering, Inc.
PO BOX 609
Afton, WY 83110

APPLICANT: Leroy Lucero
City of Rawlins
PO BOX 953
Rawlins, WY 82301



WATER QUALITY DIVISION REFERENCE NUMBER: 13-417

REVIEWING ENGINEER: Seth W. Tourney

DATE OF REVIEW: October 21, 2013

ACTION: **NOT AUTHORIZED FOR CONSTRUCTION**. In accordance with Section 14(a), Chapter 3, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with said Section 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS

1. The design report should clearly state the design flow or design capacity for the proposed conditions. It appears that this design report is limiting the design capacity of the system to 1.24 mgd for an estimated future growth date of 2033. If this is the maximum design capacity of your proposed system, please clearly state this in the design report. Please note that this value will establish the design capacity of your system with our WYPDES permitting.
2. The design report indicates that the City of Rawlins may take this Cell 3 offline and use the other cells during maintenance. Please provide calculations for the other cells demonstrating compliance with DEQ's regulations when using the reserve cells.
3. The proposed design needs to address the BOD/day/1,000 cu ft for aerated non-completely mixed requirements in Chapter 11 Section 18 (ii) (B) of the Water Quality Rules and Regulations.
4. In Appendix B, the recommended number and horsepower of blowers for the proposed equipment does not meet the mixing requirements, nor does the HRT match the Detention Time for Cell 3 (Aerated) in Table 4.1. However, since this system is intended to be partially mixed, please clarify in the narrative of the design report the mixing requirements impact for the proposed design.

PROJECT: Rawlins WWTP Aeration Upgrade
DATE OF REVIEW: October 21, 2013

5. In Appendix B, the volume input is 19.00 MG rather than the 13.1 MG presented for Cell 3 in Table 4.1. However, if the mixing requirement is not a factor in the design, then this may not be considered critical in the proposed design. Please clarify this in the narrative of the design report or revise the volume for HRT calculations in the mixing calculations.

6. In Appendix B, the product sheet indicates that the AIRE-O2 Triton has a mixing capability from 6 to 33 feet deep. If the design does not satisfy the mixing requirement, how does the proposed design guarantee the minimum oxygen requirements for a depth of 11 feet (as shown on Sheet D1 of the Construction Drawings)?

7. In Typical Detail C on Sheet D1 of the Construction Drawings, please identify the depth of the DO probe for the operation of the blowers. Please provide design parameters (proposed set points) for the DO probe to establish run cycles for the blowers. Or in the design report, please describe the process that will be used to establish proper operation of the design.

8. It appears that most of the DO profiling and study was performed on Cell 2, why use Cell 3 for the primary aerated cell?

END OF REVIEW

SWT/rm/13-1015

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-417

RAWLINS WWTP AERATION UPGRADE

This permit hereby authorizes the applicant:

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

to construct, install or modify six (6) 15 HP aerators according to the procedures and conditions of the application number 13-417. The facility is located in NE 1/4 of Section 23, T21N R87W; Carbon County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed January 7, 2014.

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

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

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

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

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

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

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

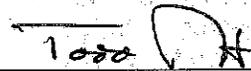
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

1. The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-7610, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
2. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided and must be completely filled out.
3. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

Date of Issuance

1-9-14

SWT/rm/14-0027

STATEMENT OF BASIS

1. Permit Number: **13-417**
2. This application was reviewed for compliance with the applicable regulations ;

Chapters 3, 11

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

Yes

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

Sewerage Systems are exempted from review by Chapter 3, Section 17.

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Seth Tourney, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on January 8, 2014. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

October 8, 2013

Marty Duffin, Construction Manger
Brad Hall & Associates, Inc.
280 South Holmes Ave.
Idaho Falls, ID 83401

RE: 217 Yellowstone Ave, Cody, WY
DEQ Permit #13-418
Located in Park County, Lots 70-J and 70-K, Grand View Gardens; Lat. 44.5171, Long. - 109.0924

Dear Mr. Duffin,

This project consists of the construction of approximately 375 Linear Feet of 8 inch water main.

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

You are authorized to construct, the facility in accordance with the the materials submitted in your application package and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems. Construction shall be completed by October 8, 2018

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

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

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

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

Sincerely,

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

xc: PDF to Cheyenne
Kelly Hoopes, P.E., Horrocks Engineers, 901 Pier View Dr., Ste 205, Idaho Falls, ID 83402

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

ABANDONED MINES
(307) 332-6086
FAX 332-7726

AIR QUALITY
(307) 332-6765
FAX 332-7726

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

SOLID & HAZARDOUS WASTE
(307) 332-8924
FAX 332-7726

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
STATEWIDE PERMIT TO CONSTRUCT

PERMIT NO. #13-419

SPECIAL CONDITIONS

REFERENCE PERMIT NO. #96-153, #97-033, #98-308, #03-336, #04-335, #08-517

Bio Action Portable Sewage Treatment Facility

This permit hereby authorizes the applicant:

Bio Action, Inc.
P.O. Box 2425
Casper, Wyoming 82602

to install and operate portable sewage treatment facilities with land application of the treated effluent according to the procedures and conditions of the application number #13-419 (renewal of Permit #08-517).
The facilities may be located in all counties in the State of Wyoming. All installations and land applications allowed by this permit shall be effective for a period of five years from the date of issuance of this permit.

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

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

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

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

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

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

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

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

- 1 of 14 The applicant will provide immediate oral or written notice to the WDEQ/WQD CBM/Oil and Gas Group 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. The WDEQ/WQD CBM/Oil and Gas Group is located at 152 North Durbin Street, Suite 100, Casper, Wyoming 82601; (307) 473-3465.
- 2 of 14 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis."
- 3 of 14 This permit is valid for temporary wastewater facilities only. Temporary is defined as one year or less. Treatment facilities at location longer than a year may be authorized by WDEQ on a case by case basis.
- 4 of 14 Treatment units authorized under this permit include the E-500 and E-1500 models. The E-500 unit is limited to treat 500 gallons per day. The E-1500 unit is limited to treat 1500 gallons per day. No more than 2000 gallons per day may be treated and discharged via land application at any one project site location without prior authorization from WDEQ.
- 5 of 14 Treatment units have the option of either land application near project site or hauling to a WDEQ permitted sewage treatment facility. Approved land application methods include dust control, and irrigation of reclaimed areas, provided as siting requirements, specified elsewhere in this permit are followed.
- 6 of 14 All operators must be properly trained in the operation of aerobic wastewater treatment systems. An operation and maintenance manual must be available in each unit. This document should outline routine maintenance; chlorination and UV disinfection procedures, effluent dispersal, and operational tests necessary to control the treatment process. In addition, a job log should be kept with each unit which will detail the time and date of the operator's checks of the facility, sludge disposal, chemical addition, and the unit's operational location. A copy of the operation and maintenance manual shall be submitted to WDEQ CBM/Oil and Gas Program within 30 days of permit issuance.
- 7 of 14 The applicant will maintain a log of the following information.
 - a. Unique treatment unit identification number
 - b. Legal location or GPS location
 - c. Rig company and number
 - d. Operator and well name
 - e. Startup date at that location
 - f. Shut down date at that location
 - g. Disposal method (land apply or haul off-site) and location.

This log will be made available to WDEQ upon request.

For those facilities which landapply treated wastewater, the following conditions apply:

- 8 of 14 The treated effluent from each treatment unit must be sampled two to seven days after start up and at least once at each location and then every three months for longer term operations. The effluent must be analyzed for the following:

- a. Fecal coliform
- b. Residual chlorine
- c. pH

- 9 of 14 The effluent fecal coliform bacteria must be reduced by positive disinfection to 200 colonies/100 milliliters or less. BOD and TSS must be 30 mg/l or less and the pH must be between 4.5 and 9.0.
- 10 of 14 The land application of effluent must be approved in writing by the landowner. If the unit is to be used on lands administered by the U.S. Bureau of Land Management, approval to the operator as described in the APD authorizing discharge of treated waste water will suffice as land owner consent. If the unit is to be used on privately owned lands, approval will consist of a written authorization form, or if the authorization is provided verbally by the landowner, documentation including the date the owner was contacted and the phone number of the land owner must be provided. This information may be submitted with the monthly report, discussed elsewhere in this permit.
- 11 of 14 The application site must meet the following siting requirements:
- a. The application area must be a minimum of 100 feet from the well pad, buildings, and roadways, or provide documentation that a closer separation distance will be protective of human health (no human contact with aerosol or effluent).
 - b. There must be a minimum of 300 feet separation between the limits of the application area and any water wells.
 - c. There must be a minimum 150 feet separation between the edge of the application/infiltration area and any surface water body, drainage channel, or ephemeral drainage. Application/infiltration areas shall be a minimum of 25 feet from a break in slope that exceeds 15%.
 - d. Ground slope shall be less than 15%.
 - e. Depth to groundwater in the application/infiltration area must be at least two feet.
 - f. Discharge during winter months (November 1 through April 30) will be allowed provided the discharge point is changed every 16 days of service or if the ice pad exceeds 500 square feet. Any areas used for discharge during the winter months will be seeded either the following spring using an appropriate seed mix as determined by the applicable surface owner, or directly onto the ice pad during the discharge, using an appropriate seed mix with amendments.
 - g. No discharge is allowed during saturated soil conditions or when such discharge would cause damage to slopes (erosion).
 - h. Application areas for locations with multiple treatment units must be separated by 50 feet.
 - i. The discharge point must be moved every 30 days, at a minimum. The new application site must meet the original siting requirements.
- 12 of 14 All application units must be moved as a sufficient interval to prevent ponding, pooling, runoff, erosion and vegetation damage. The new application area must be 50 feet from the previous one.

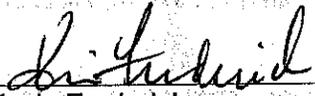
13 of 14 Signage shall be provided at the project site where treated waste water is land applied. The signage will provide warnings to protect the health and safety of workers near the discharge location.

14 of 14 Monthly monitoring reports will be submitted to WDEQ CBM/Oil and Gas Program. These reports will include the following information:

- a. Unique treatment unit identification number
- b. Landowner name and written authorization form
- c. Legal location (GPS or ¼ ¼ section shown on a topographic map)
- d. Rig company and number
- e. Operator and well name
- f. Startup date at that location
- g. Shut down date at that location
- h. Sample results

For those months where there are no discharges to land, provide a written statement (either submitted on paper or via email) to WDEQ certifying that no mobile septic treatment units operated during the previous month discharged to the land. Wastewater from all units were tanked and hauled to an appropriate facility.

AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

10-10-13
Date of Issuance

KJM/rm/13-0986

cc: WDEQ Casper Field Office

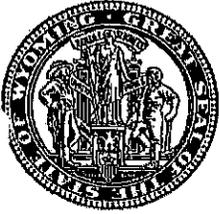
STATEMENT OF BASIS

1. Permit Number: 13-419, renewal of Permit #08-517
2. Application reviewed for compliance with the following applicable regulations :
 - a. Chapter 11.
 - b. The STATEWIDE permit is based on completion of the Pilot Project permit# 96-153.
3. Does the permit comply with all applicable regulations identified above?
 - a. Yes
4. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.
 - a. Not required.
5. Documentation of Statement of Basis.

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

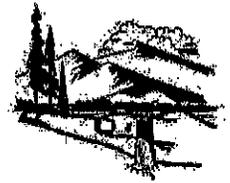
CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Kim Medina, Geologic Project Analyst, and completed on September 25, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality

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



Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

September 26, 2013

Gayle Weeg
P.O. Box 635
Newcastle, WY 82701

RE: Weeg Small Wastewater System
Application No. 13-420, Weston County

Dear Mr. Weeg:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of an existing 1,000 gallon concrete septic tank discharging into two chambered trenches of approximately 10 chambers each, for a residential building located in the NE¼, **Section 25, Township 45N, Range 62W**, Weston County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2015.

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

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

Additionally, the following permit condition applies:

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

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

Sincerely,

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

cc: IPS, Cheyenne
WDEQ Casper File (Electronic)
Weston County Growth and Development, 1 West Main Street, Newcastle, WY 82701
Mike Arp, 61 Daniel Drive, Newcastle, WY 82701

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

Lander
510 Meadowview Drive 82520
(307) 332-3144

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





Department of Environmental Quality

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



Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

October 29, 2013

City of Laramie

Attn: Earl Smith, Public Works Director
P.O. Box C
Laramie, Wyoming 82073

RE: West Laramie Sanitary Sewer Main Extension,
Application No. 13-421, Albany County

Dear Mr. Smith:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Sewage Collection Systems** consisting of pipe installing 100 LF of 8-inch sewer main located in the **Southeast ¼, Section 30, T15N, R73W, Albany County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 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. 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:

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by October 29, 2018.

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. 13-421 in any future correspondence.

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

Sincerely,

Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division
SWT/rm/13-1041

Enclosures: Certificate of Completion Form

cc: IPS

Cal Van Zee, City of Laramie, P.O. Box C, Laramie, Wyoming 82073

James Johnson, Johnson Engineering Associates, 110 Superior Court, Laramie, Wyoming 82072

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	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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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

October 10, 2013

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

RE: O'Reilly Water Line Extension Project, Buffalo, WY
WDEQ Application No. 13-422, Johnson County

Dear Mr. Hook:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems, consisting of the installation of approximately 400 lineal feet of 8" PVC water line and a fire hydrant, to provide service and fire suppression for the O'Reilly Auto Store, located in the SE ¼, SW ¼, Section 26, Township 51 North, Range 82 West, City of Buffalo, WY, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 12 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2015**.

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

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

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

Sincerely,

Karen L. Farley

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

cc: IPS, Cheyenne
WDEQ Casper File
Les Hook, 46 North Main Street, Buffalo, WY 82834
Brent Bennett, P.E., Nelson Engineering, P.O. Box 1004, Buffalo, WY 82834





ALLEN & CROUCH
PETROLEUM ENGINEERS

September 4, 2013

RECEIVED

SEP 23 2013

WATER QUALITY DIVISION

WYOMING

13-423

UIC Program Supervisor
Water Quality Division
122 West 25th Street
Herschler Building, 4th Floor-West
Cheyenne, Wyoming 82001

Re: Yellow Creek Production & Water Disposal, LLC
Carpenter A-2 SWD
Section 31, T.15N., R.120W.
Unita County, Wyoming

Gentlemen:

As part of the compliance requirements of UIC permit #03-097 an annual falloff pressure test was conducted and analyzed for the Carpenter A-2 SWD well. The State of WY UIC Annual Falloff Report is attached as **Exhibit 1**.

No fluid has been injected into this well during 2011, 2012, and 2013. Quarterly injection reports have been filed showing the varying wellhead pressures throughout the past three years.

The wire line truck rigged up on the well on August 12, 2013. Electronic pressure bombs were ran and set at a depth of 6,600'. On August 13, 2013 the tubing was filled with water and the fluid level was found to be approximately 3,900' from surface. The perforations on the well are from 6,033'-6,917'. Based on the fluid level, the reservoir pressure is 910 psi. Injection into the well was established at a rate of 1,100 barrels per day (0.76 bbl./min) for 6 hours. The well was shut in and approximately 39.9 hours of falloff data was recorded. The pressure bombs were pulled from the well on August 15, 2013.

The data files are on the disc included with this report, as excel spreadsheets. There are three files on the disk: Bottom Tool Falloff, Bottom Tool Injection Falloff, and Surface Pressure. The complete pressure bomb data is shown on the spreadsheet tabs.

Exhibit 2 is a linear pressure plot and **Exhibit 3** is a linear temperature plot of the falloff data. **Exhibit 4** is the data distilled from the raw data used to create the Horner Plot. **Exhibit 5** is the Horner Plot of the distilled data. The Horner indicates a P* of 200 psi and a slope of 1,320 psi per cycle.

Since the slope value is numerically higher than the P*, an average reservoir pressure couldn't be calculated by the normal method. These results were used in the attached analysis. A complete well injection history is also included as **Exhibit 6**.

Calculations from the analysis of the falloff test data are shown in tabular format on **Exhibit 7** and **Exhibit 8**. Exhibit 7 is the analysis calculations sheet and Exhibit 8 is a summary of this data.

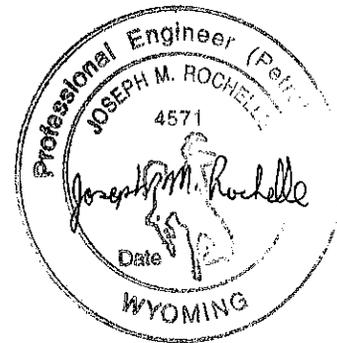
As of August 13, 2013, a total of 32,399 barrels have been injected. The area of ultimate limit of emplaced water is calculated to be 46.4 feet (**Exhibit 9**)

A copy of the open-hole density log with GR log (**Exhibit 10**) across the injection interval is attached along with a well bore schematic diagram (**Exhibit 11**).

Yours truly,

Joseph M. Rochelle

Joseph M. Rochelle
Registered Professional Engineer
Wyoming license No. 4571



Attachments:

- Exhibit 1 - State of WY UIC Annual Pressure Falloff Report form
 - Exhibit 2 - Linear plot of pressures
 - Exhibit 3 - Linear plot of temperatures
 - Exhibit 4 - Horner Falloff Plot Data
 - Exhibit 5 - Horner Falloff Plot
 - Exhibit 6 - Injection history since permit approval
 - Exhibit 7 - Pressure Falloff Test Analysis
 - Exhibit 8 - Pressure Falloff Test Summary
 - Exhibit 9 - Area of Ultimate Limit of Emplaced Water
 - Exhibit 10 - Copy of open hole density log with GR across the injection interval
 - Exhibit 11 - Well bore schematic diagram
- Data disc containing files of all data recorded during the test procedure

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-425

Manville Test Well #1 Drilling & Testing
PWS #WY 5600110

This permit hereby authorizes the applicant:

Keith Clarey, Project Manager
Wyoming Water Development Commission
6920 Yellowtail Road
Cheyenne, WY 82002

to drill, construct, develop and a public supply well for the Town of Manville, according to the procedures and conditions of the application number 13-425. The Town of Manville is currently under administrative orders by EPA to comply with uranium and gross alpha drinking water standards. The primary purpose of this new well is to assist the Town of Manville with complying with EPA's administrative orders. The well is within NW ¼, NE ¼, Section 12, T32N, R65W in the county of Niobrara, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by November 1, 2015.

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

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

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

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

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

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

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

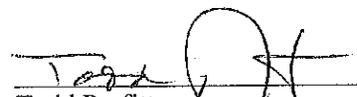
relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

- 1 of 5 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 5 A Chapter 3 Permit to Construction Application along with plans and technical specifications for the equipping of the well and other construction such as installation of discharge piping, disinfection, etc. must be submitted to the Wyoming Department of Environmental Quality. A Permit to Construct must be obtained prior to construction of the aforementioned items.
- 3 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided and must be completely filled out.
- 4 of 5 Per Chapter 26, Section 11, "All wells that are no longer useful (including test wells) must be plugged in order to assure that groundwater supply is protected and preserved for further use and to eliminate the potential physical hazard. Within 15 days after a well has been plugged and abandoned, the owner shall file a plugging record with the Water Quality Division."
- 5 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


Kevin Frederick
Administrator
Water Quality Division


Todd Parfitt
Director
Department of Environmental Quality

10-21-13
Date of Issuance

JSB/rm/13-1012

STATEMENT OF BASIS

1. Permit Number: 13-425
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes. However, subsequent plans and specifications must be submitted for the equipping of the well and other construction such as installation of discharge piping, construction of a well house, disinfection, etc.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water supply wells are exempted from review by Chapter 3, Section 17
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, james.brough@wyo.gov, Northwest District Engineer and completed on October 17, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

Xc: Christopher Moody, Wyoming Groundwater, LLC, 710 Garfield St., Suite 211, Laramie, WY 82070
Richard Schroeder, Town of Manville, P.O. Box 107, Manville, WY 82227

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-427

REFERENCE PERMIT NO. 13-361

North Butte I.S.R. Mining Operation Infrastructure and Well Completion,
PWS No. WY5601667

This permit hereby authorizes the applicant:

Power Resources, Inc., d.b.a. Cameco Resources
550 North Poplar Street, Suite 100
Casper, WY 82601

to construct, install, and/or modify the public water supply well completion, pipelines, treatment system, and storage tank according to the procedures and conditions of the application number 13-427. The facility is located in Section 24, Township 44 North, Range 76 West, further located in Campbell County, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2016.

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

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

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

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

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

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

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

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

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

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

- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided and must be completely filled out.

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

AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

10-16-13

Date of Issuance

JRV/rm/13-1010

cc: John Gillis, PhD, EPA Region 8, 1595 Wynkoop Street, Denver, CO 80202-1129
Kevin King, P.E., Campbell County Public Works, 500 South Gillette Avenue, Suite 1500, Gillette, WY 82716

STATEMENT OF BASIS

1. Permit Number: **13-427**
2. Application reviewed for compliance with the following applicable regulations :

POLICIES 14.13.2 AND 14.13.3, AS WELL AS CHAPTER 3 AND CHAPTER 12 OF THE WYOMING WATER QUALITY RULES AND REGULATIONS
3. Does the permit comply with all applicable regulations identified above?

NO, A VARIANCE IS REQUESTED TO THE REQUIREMENT OF A MINIMUM TANK OPENING DIAMETER OF 24 INCHES. THE PROPOSED TANK HAS A 16 INCH DIAMETER OPENING.
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.

YES. DUE TO THE SIZE OF THE TANK, CLEANING WILL TAKE PLACE FROM THE OUTSIDE.
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Jason Vreeland, P.E., and completed on October 15, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT No. 13-428

Green River - Colliers & Hutton Heights Sewage Lift Stations Project

This permit hereby authorizes the applicant:

Mark Westenskow
City of Green River
50 East 2nd North
Green River, WY 82935

to construct the replacement of the existing Colliers Sewage Lift Station and the replacement of the existing Hutton Heights Sewage Lift Station and Sewage Force Main, according to the procedures and conditions of the application number 13-428. The facilities are located within the City of Green River Wyoming, at Lat: 41.5251, 41.5196 Lon: -108.778, -109.469, Colliers - NW ¼ Section 22, T18N, R107W, Hutton - SE ¼ Section 22, T18N, R107W in the county of Sweetwater, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by November 4, 2015.

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

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

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

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

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

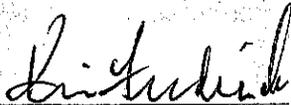
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided and must be completely filled out.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

11-5-13

Date of Issuance

MDB/rm/13-1067

STATEMENT OF BASIS

1. Permit Number: 13-428
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Sewerage systems are exempted from review by Chapter 3, Section 17.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, P.E., Southwest District Engineer, mark.baron@wyo.gov, and completed on November 4, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

cc: Ryan Tucker Southern, Nelson Engineering, P.O. Box 1599, Jackson, WY 83001



Department of Environmental Quality

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



Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

October 28, 2013

Alan Flury
P.O. Box 48
Sundance, WY 82729

RE: Flury Small Wastewater System
Application No. 13-429, Crook County

Dear Mr. Flury:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon Boom concrete septic tank discharging into two Biodiffuser ARC 36 chambered trenches of 15 chambers each, for a three bedroom home located in the SW¼, Section 13, Township 49N, Range 64W, Crook County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2015**.

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

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

Additionally, the following permit condition applies:

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

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

Sincerely,

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

cc: IPS, Cheyenne
WDEQ Casper File (Electronic)
Tim Lyons, Crook County Growth and Development
K&K Builders, LLC., P.O. Box 956, Sundance, WY 82729

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

Lander
510 Meadowview Drive 82520
(307) 332-3144

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





Department of Environmental Quality

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



Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

October 11, 2013

John W. Schneider
RSSI Building, LLC
1835 Skyview Drive
Casper, WY 82601

RE: Lot 27 Skyview Industrial Park – Sewer Main Extension
Application No. 13-430, Natrona County

Dear Mr. Schneider:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Sewage Collection Systems, consisting of the installation of approximately 40 lineal feet of 8" sewer main, one 48" diameter sewer manhole, and a 4" sewer service line, located in **Lot 27 of the Skyview Industrial Park, Mills, WY**, Natrona County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with **Chapter 11** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2014.

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

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

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

Sincerely,

Karen L. Farley, P.E.
NE District Engineer
WDEQ/WQD, Water and Wastewater Program

cc: Gloria Brainard, WWSD, P.O. Box 728, Mills, WY 82644
Phillip W. Rosendahl, P.E., Rosendahl Engineering, 857 N. Barkley, Mesa, AZ, 85203
Ben J. Gruner, Interstate Industrial Park Owners Assoc., P.O. Box 102, Mills, WY 82644
IPS, Cheyenne
WDEQ Casper File

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

Lander
510 Meadowview Drive 82520
(307) 332-3144

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-431

New
Renewal
Modified

Wyoming Air National Guard Site 4 Additional Monitoring Well

This permit hereby authorizes the applicant:

Wyoming Air National Guard
217 Dell Range Blvd
Cheyenne, WY 82009

to construct, install or modify monitoring well MW-76 according to the procedures and conditions of the application number 13-431. The facility is located in SW 1/4 of the SE 1/4 Section 19; T14N; R66W in the county of Laramie, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 30, 2013.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and 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.
- 3 of 10 All downhole equipment shall be de-contaminated between wells (borings) to minimize the potential for cross-contamination.
- 4 of 10 Borehole cuttings must be screened and disposed of properly. Contaminated cuttings must be disposed of at a site approved by DEQ's Solid and Hazardous Waste Management Division. Additionally, water collected during monitoring well development and sampling must be disposed of properly.
- 5 of 10 Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitoring wells shall be reported immediately to the division. The wells shall be clearly and permanently numbered.
- 6 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.
- 7 of 10 The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
- 8 of 10 The results of any other analyses conducted on soil or water removed from these monitoring wells or s shall be provided to the department in an annual monitoring report.
- 9 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 through MW-76	As specified in the work plan	As specified in the work plan	TCE and carbon tetrachloride	0.005

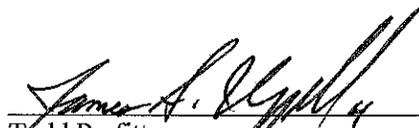
*Permit Limits (i.e. Groundwater Protection Standards) are only required for compliance monitoring wells. All chemical concentrations in this permit are expressed in mg/l unless otherwise noted.

10 of 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.

AUTHORIZED BY:



Kevin Frederick
 Administrator
 Water Quality Division



Todd Parfitt
 Director
 Department of Environmental Quality

10-7-13

Date of Issuance

JAF/rm/13-0972

cc: Mark Thiesse, Jane Francis



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

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

October 29, 2013

Doug Walker, President
WC Investments, Inc.
6908 Fox Glove Dr.
Cheyenne, WY 82009-5708

RE: Polk Commercial Development
DEQ Permit #13-432
Located in Laramie County, Sunnyside Addition, 5th Filing: Tracts 145, 146, 147 & 148 plus por of vac Van Buren Ave. Res 940719-03 #340 Tract 148, City of Cheyenne, Laramie County, WY

Dear Mr. Walker,

This project consists of the installation of 1380 linear feet of 8 inch PVC water main, 4 fire hydrant assemblies and 1240 feet of 8 inch PVC sewer main and 6 manholes.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11 and Chapter 12 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package, and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Construction shall be completed by October 29, 2018

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

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

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

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

Sincerely,

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

xc: PDF to Cheyenne
Thomas D. Cobb P.E., AVI P.C., 1103 Old Town Lane, Ste. 101, Cheyenne, WY 82009

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

ABANDONED MINES
(307) 332-6086
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



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

Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

October 10, 2013

Bill Overfield
38 Nez Perce Drive
Cody, WY 82414

RE: Gail Lane Sewer Main Extension, Permit Number: 13-433, Latitude 44.5283, Longitude -109.0503, Park County

Dear Mr. Overfield:

This project involves the installation of 92 linear feet of 6-inch sewer main to serve Lot 1 of the Joseph Patrick Addition. 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 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: Roy Holm, P.E., Holm, Blough, & Company, 1402 Stampede Ave., Cody, WY 82414
Stephen Payne, P.E., City of Cody, P.O. Box 2200, Cody, WY 82414
PDF to Cheyenne

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

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

AIR QUALITY
(307) 332-6756
FAX 332-7726

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

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

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT No. 13-434

Rock Springs - Gateway Pump and Water Main

This permit hereby authorizes the applicant:

Paul D. Kauchich
City of Rock Springs
212 D Street
Rock Springs, WY 82901

to construct the replacement of the existing Gateway Pump Station with a new 2500 gpm pump station consisting of a building, back-up power generator, three vertical turbine pumps and about 2800 linear feet of 12-inch PVC water main according to the procedures and conditions of the application number 13-434. The facilities are located within the City of Rock Springs, Wyoming, at Lat: 41.350443, Lon: -109.145091, in Section 34, T19N, R105W in the county of Sweetwater, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by November 4, 2015.

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

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

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

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

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

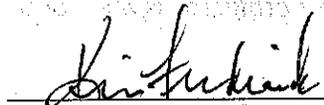
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided and must be completely filled out.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

11-5-13
Date of Issuance

MDB/rm/13-1068

STATEMENT OF BASIS

1. Permit Number: 13-434
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Potable water pump stations are exempted from review by Chapter 3, Section 17.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, P.E., Southwest District Engineer, mark.baron@wyo.gov, and completed on November 4, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

cc: Matt Bowers, P.E., Nelson Engineering, P.O. Box 1599, Jackson, WY 83001

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-435

CITY OF RAWLINS PRETREATMENT PLANT IMPROVEMENTS
PWS WY5600045

This permit hereby authorizes the applicant:

City of Rawlins
Attn: Leroy Lucero
915 Third Street
Rawlins, WY 82301

to construct, install or modify one sulfuric acid storage and feed system according to the procedures and conditions of the application number 13-435. The facility is located in SE 1/4 of Section 31, T21N R87W; Carbon County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed November 22, 2016.

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

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

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

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

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

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

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

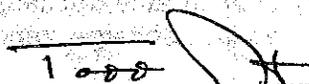
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

1. 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 and must be completely filled out.
3. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

Date of Issuance

12-5-13

STATEMENT OF BASIS

1. Permit Number: **13-435**
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 Seth Tourney, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on December 4, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

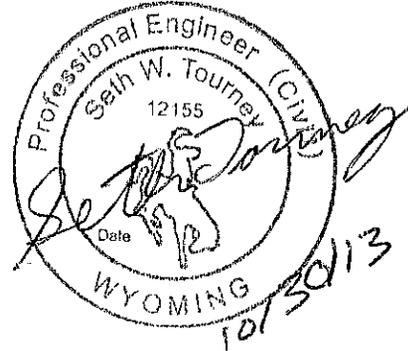
REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: City of Rawlins Pretreatment Plant Improvements

ENGINEER: Eric Jenkins
TST of Denver
9222 Teddy Lane
Lone Tree, CO 80124

APPLICANT: Leroy Lucero
City of Rawlins
915 Third Street
Rawlins, WY 82301



WATER QUALITY DIVISION REFERENCE NUMBER: 13-435
REVIEWING ENGINEER: Seth W. Tourney
DATE OF REVIEW: October 30, 2013

ACTION: **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 14(a), Chapter 3, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with said Section 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS

1. It appears that Sheet P1 is stamped with a Colorado Professional Engineer License Number 32190 by **Thomas M Segelhorst** and Sheets E1 thru E4 are stamped with Colorado Professional Engineer License Number 46069 by **Elbridge James Thrash**. This appears to be an unlawful act in violation of Wyoming Statute (W.S.) Title 33, Chapter 29 for Surveyors and Engineers. These two individuals shall provide a seal issued by the Wyoming Board of Professional Engineers and Professional Land Surveyors.
 - a. W.S. 33-29-401 states, "Except as provided in this act, no individual shall engage in the practice of professional engineering or professional land surveying unless the individual holds the appropriate license issued by the board."
 - b. W.S. 33-29-201 (a) (i) defines the board as the Wyoming Board of Professional Engineers and Professional Land Surveyors.
 - c. W.S. 33-29-201 (a) (vii) defines the practice of professional engineering as performing for others or offering to perform for others any "professional service" or "professional creative work" requiring engineering education, training and experience and special knowledge of mathematics, physics and engineering sciences. An individual performs "a professional service" or "professional creative work" in the practice of professional engineering if he: (A) Represents himself to be a professional engineer by sign, advertisement, letterhead, card, verbal claim or any other manner. (B) Quotes a fee for professional engineering service. (C) Executes a contract or agreement for a professional engineering service.

PROJECT: City of Rawlins Pretreatment Plant Improvements
DATE OF REVIEW: October 30, 2013

2. Please indicate the feed requirements (in gph) for the metering pumps to provide the preferred dosages into the pipeline. In accordance with the Water Quality Rules and Regulations Chapter 12 Section 11 (a) (ii), the feeders will be able to supply the necessary amounts of chemical throughout the feed range at all times, and the chemical feeders and pumps operate at no lower than 20 percent of the feed range.
3. Chapter 12 Section 11 (b) (viii) (C) indicates that liquid chemical storage tanks must be located in a contained area sized to store the total contents of a ruptured tank. Please provide additional information supporting how the proposed project meets this requirement.

END OF REVIEW

SWT/rm/13-1047

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-436

Ft. Laramie Elevated Tank
PWS #WY5600185

This permit hereby authorizes the applicant:

Alexander Jankewicz, Mayor
Town of Ft. Laramie
319 N. Laramie Ave
Ft. Laramie, WY 82212

to construct an elevated water reservoir and associated piping and modifications to pumps houses, according to the procedures and conditions of the application number 13-436. This project is located at NW ¼, S 23, T 26 N, R 64 W in the county of Goshen, in the state of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by November 6, 2018.

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

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

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

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

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

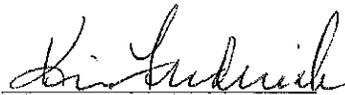
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Dr., Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided and must be completely filled out.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

11-8-13

Date of Issuance

HES/rm/13-1081

STATEMENT OF BASIS

1. Permit Number: 13-436
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above? Yes
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No
5. Documentation of Statement of Basis: The 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 Hannes E. Stueckler P.E., hannes.stueckler@wyo.gov, Assistant Northwest District Engineer and completed on November 6, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

cc: Timothy D Eisenhower, P.E., Baker and Associates, Inc, 1401 East M Street, Torrington, WY 82240



Department of Environmental Quality

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



Matthew H. Mead, Governor

Todd Parfitt, Director

January 21, 2014

City of Casper
Attention: John Patterson, City Manager
200 North David Street
Casper, WY 82601

RE: Permit to Construct, As-Built Permit to Construct, WQD Reference Number 13-437

Mr. Patterson:

The Department of Environmental Quality/Water Quality Division (DEQ/WQD) has reviewed the above referenced As-Built Application submitted by Dave Hill, P.E., Public Utilities Manager for the City of Casper. Our review of the information and as-constructed plans submitted to this office indicates that the application meets DEQ/WQD regulations and the enclosed As-Built Permit to construct is hereby issued. The enclosed permit covers the constructed Overflow Improvements for the water storage tanks identified in the permit application (CY Tank, Golf Course Tank, Sunrise 1 Tanks).

The improvements were completed in the Fall of 2012 as part of the compliance schedule approved by EPA. The compliance schedule was prepared in response to storage tank deficiencies identified in the EPA 2011 Sanitary Survey of the Casper Water Distribution Systems. The City of Casper was not aware that a permit to construct was necessary prior to performing the necessary improvements. The City of Casper has subsequently submitted to the Casper WDEQ office a permit to construct application for modifications to other water storage tanks to address additional significant deficiencies and to meet the schedule provided to EPA. These improvements have not yet been completed by the City of Casper and will not be until after the Permit to Construct has been issued by WDEQ.

Sincerely,

Kevin Frederick
Administrator
Water Quality Division

KD/KS/rm/14-0057



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
AS-BUILT
PERMIT TO CONSTRUCT
PWS#5601415

Permit No. 13-437

This permit hereby authorizes the applicant:

John C. Patterson, City Manager
200 North David Street
Casper, WY 82601

to have constructed, installed, and/or modified the City of Casper – 2012 Overflow Drain Structures, according to the procedures and conditions of the application number 13-437. The project is located in and around the City of Casper, WY.

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 discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

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

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

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 has constructed 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 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 and must be completely filled out.
- 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:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

1-23-14

Date of Issuance

KLF/rm/14-0057

cc: John Gillis, PhD, EPA Region 8, 1595 Wynkoop Street, Denver, CO 80202-1129
Dave Hill, City of Casper, 200 North David, Casper, WY 82601

STATEMENT OF BASIS

1. Permit Number: **13-437**
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.

No

5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. The as-built portion of this permit recognizes that the overflow improvements for the water storage tanks were built without a construction permit. The improvements were completed in the Fall of 2012 as part of the compliance schedule approved by EPA. The compliance schedule was prepared in response to storage tank deficiencies identified in the EPA 2011 Sanitary Survey of the Casper Water Distribution Systems. The City of Casper was not aware that a permit to construct was necessary prior to performing the necessary improvements. The City of Casper has subsequently submitted to the Casper WDEQ office a permit to construct application for modifications to other water storage tanks to address additional significant deficiencies and to meet the schedule provided to EPA. These improvements have not yet been completed by the City of Casper and will not be until after the Permit to Construct has been issued by WDEQ.
7. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley and completed on January 21, 2014. 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. 13-438

Central Wyoming Regional Water System - Zone IIB Water System Improvements
PWS# WY5600009

This permit hereby authorizes the applicant:

Central Wyoming Regional Water System
200 North David Street
Casper, Wyoming 82601

to construct, install or modify a new 250 hp pump station and approximately 11,000 LF of 16-inch water transmission main in the System's Zone IIB pressure zone, according to the procedures and conditions of the application number 13-438. The facility is located in north Casper in the area of Metro Road, Bryan Stock Trail, and Amoco Road, in NW1/4 Section 35, NE1/4 Section 34, S1/2 Section 27, and S1/2 Section 28, all in Township 34 North, Range 79 West, in the County of Natrona, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2015.

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

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

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

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

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

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

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

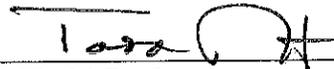
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 3 The applicant will provide immediate oral or written notice to the DEQ/WQD Northeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations (WWQRR) of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 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 and must be completely filled out.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

12-20-13

Date of Issuance

KJF/rm/13-1213

STATEMENT OF BASIS

1. Permit Number: 13-438
2. Application reviewed for compliance with the following applicable regulations:
 - a. Chapters 3 and 12.
3. Does the permit comply with all applicable regulations identified above?
Yes
4. Facilities not specifically covered by regulations
 - a. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
Not applicable
 - b. Briefly state the basis for the deviation.
Not applicable
5. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.
not required
6. Documentation of Statement of Basis.

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter 3, Wyoming Water Quality Rules and Regulations. This review was performed by Kevin Frank, SRF Project Engineer, and completed on December 5, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality

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



Matthew H. Mead, Governor

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

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

January 14, 2014

Michael Cole, P.E.
City of Gillette, Utilities Department
611 North Exchange Avenue
Gillette, WY 82716

RE: Gillette Madison Pipeline Project Contract #8, 18 Inch Blending Waterline
Application No. **13-439, Campbell County**

Dear Mr. Cole:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems consisting of the construction of approximately 31,500 feet of 18 inch waterline located in **Section 23, Township 50N, Range 72W, Campbell County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with **Chapter 12** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2016**.

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

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

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

Sincerely,

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

cc: IPS, Cheyenne
WDEQ Casper File
Katherine Henske, P.E., Burns & McDonnell, 9785 Maroon Circle, Suite 400, Centennial, CO 80112





Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

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

Todd Parfitt, Director

November 21, 2013

Kate Henske, P.E.
Burns & McDonnell
9785 Maroon Circle, Suite 400
Centennial, CO 80112

RE: Gillette Madison Pipeline Project, 18 Inch Blending Waterline
Location: Section 23, Township 50N, Range 72W, Campbell County
WDEQ Application #13-439

Dear Ms. Henske:

We have completed our review of the permit application submitted on October 2, 2013. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

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

Attachments: WDEQ Comments

cc: (IPS)
WDEQ File
Mike Cole, P.E., City of Gillette Utilities Department, 611 N. Exchange Avenue, Gillette, WY 82716



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

PROJECT: Gillette Madison Pipeline Project, 18 Inch Blending Waterline
LOCATION: Gillette, Wyoming
ENGINEER: Burns and McDonnell
APPLICANT: City of Gillette

WATER QUALITY DIVISION APPLICATION NUMBER: 13-439

DATE ON PROPOSAL/PLANS/REPORT: September 30, 2013

DATE RECEIVED BY DEQ: October 2, 2013

DATE OF THIS REVIEW: November 21, 2013

WDEQ REVIEWER: Jason Vreeland, P.E.

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

WDEQ COMMENTS

- 1) Chapter 12, Section 7 – Please submit three copies of the final stamped plan set. The set submitted is labeled as not for construction.
- 2) Chapter 12, Section 14(b) – Please provide information on the hydraulic analysis for this project to include flow demands, pressure requirements, and working pressures within the system.

- 3) Chapter 12, Section 14(c) – A variance to the minimum valve spacing was requested in the design report and indicated that valves were spaced at approximately 2,200 foot intervals. The plan set appears to show a valve spacing of 3,150 feet between stations 66+70 and 98+20 and 3,950 feet between stations 98+20 and 137+70 with other areas exceeding 2,200 feet. A variance is granted for a spacing of up to ½ mile. Please address any areas with spacing greater than ½ mile.
- 4) Chapter 12, Section 14(e) – Based on the geotechnical investigation, some of the blowoff valves such as at station 172+30 may be located in groundwater. Further, the blowoffs appear to be equipped with a weep hole for drainage. Weep holes are not allowed when groundwater levels are above the drain area. Please address.
- 5) Chapter 12, Section 14(e) – The design report indicates that valves are to be located in a water tight vault with a solid bottom. WWQRR require the vaults to drain to the surface of the ground or provided with a sump for a permanent or portable pump. Please address.
- 6) Chapters 12, Section 7(c) – Please indicate the pipe type or project approved pipe types on the plan set.
- 7) The valves at stations 137+70 and 142+50 are noted as BFV on Sheet WA-12 and reference sheet DT-2. Sheet DT-2 does not have a detail for a butterfly valve but does have a detail for a blowoff. Are these to be butterfly valves or blowoff valves?
- 8) Chapter 12, Section 14(g) – The sanitary sewer crossing at station 186+90 on Sheet WA-16 appears to be less than 18 inches. Also, the design report indicates that this project does not cross any sanitary sewer lines. Please address.
- 9) Chapter 12, Section 14(g) – The sanitary sewer at station 158+00 on Sheet WA-13 appears to be within 10 feet and less than 18 inches above the waterline. Please address.



Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

October 25, 2013

Charles Oleson
P.O. Box 185
Beulah, WY 82710

RE: Oleson Small Wastewater System
Application No. 13-440, Crook County

Dear Mr. Oleson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon Boom concrete septic tank discharging into two pipe and rock trenches approximately 92 feet each, for a three bedroom mobile home located in the SW¼, **Section 22, Township 53N, Range 61W**, Crook County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2015.

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

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

Additionally, the following permit condition applies:

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

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

Sincerely,

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

cc: IPS, Cheyenne
WDEQ Casper File (Electronic)
Tim Lyons, Crook County Growth and Development
Kenny Rathbun, P.E., Bearlodge Engineering, P.O. Box 130, Sundance, WY 82729

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

Lander
510 Meadowview Drive 82520
(307) 332-3144

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT No. 13-441

Big Piney - Well House #10 and Wells #1, #3 and #9
PWS No. 5600007

This permit hereby authorizes the applicant:

Ben Jenkins
Town of Big Piney
P.O. Box 70
Big Piney, WY 83113

to construct well house #10 with distribution piping and consolidate the distribution piping from wells #1, #3 and #9 into one well house according to the procedures and conditions of the application number 13-411. The facilities are located within the Town of Big Piney, Wyoming, at Lat: 42.5376,42.5418, Lon: -108.109,-109.1335, NW ¼ Section 36, T30N, R112W, and SE ¼ Section 31, T30N, R111W in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by January 6, 2016.

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

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

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

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

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

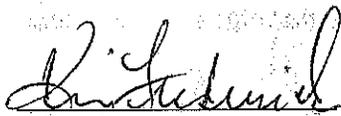
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

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

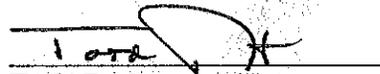
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided and must be completely filled out.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

1-9-14

Date of Issuance

MDB/rm/14-0025

STATEMENT OF BASIS

1. Permit Number: 13-441
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Not required.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, P.E., Southwest District Engineer, mark.baron@wyo.gov, and completed on January 6, 2014. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

cc: Dennis S. Smith, P.E., Forsgren Engineering, 849 Front St., Ste 201, Evanston, WY 82930

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-442

Teton Shadows Homeowners Association Water Supply Project Phase II
PWS #WY 5600724

This permit hereby authorizes the applicant:

Steve Malaschock, President
Teton Shadows Home Owners Association
470 Sagebrush Drive
Jackson, WY 83001

to construct and equip two new public supply wells, install a flow meter vault, about 800 linear feet of 4-inch HDPE water main, three hydro-pneumatic tanks, a sodium hypochlorite feed system, and a generator; according to the procedures and conditions of the application number 13-442. The new public supply wells will replace an existing well that was identified as under the direct influence of surface water. The new wells are 90 and 93 feet deep and designed to produce 75 gpm each. The wells supply water to 68 residential units and are used to irrigate about 5.7 acres of common area. This project is within NE ¼, SW ¼, Section 27, T42N, R116W in the county of Teton, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by November 1, 2015.

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

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

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

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

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

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

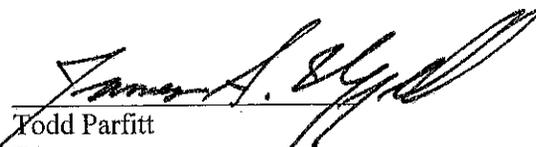
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided and must be completely filled out.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


Kevin Frederick
Administrator
Water Quality Division


Todd Parfitt
Director
Department of Environmental Quality

10-30-13
Date of Issuance

JSB/rm/13-1038

STATEMENT OF BASIS

1. Permit Number: 13-442
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water supply wells are exempted from review by Chapter 3, Section 17
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, james.brough@wyo.gov, Northwest District Engineer and completed on October 28, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

cc: Frank Grimes, Nelson Engineering, P.O. Box 1599, Jackson, WY 83001



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

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

November 4, 2013

Dena Hansen, Manager
South Cheyenne Sewer and Water District
215 E Allison Rd
Cheyenne, WY 82009

RE: Additional Orchard Valley Sanitary Sewer Replacement - 2013
DEQ Permit #13-445
Located in Laramie County, NE ¼, S 18, T13N, R66W; Lat 44.099°, Long. -
104.812°

Dear Ms. Hansen,

This project consists of the replacement of existing 8 inch VCP mains with 8 inch PVC SDR35 mains.

A variance was requested from Chapter 11, Section 9 (c)(i)(C) which requires a minimum slope of 0.004 ft/ft for 8-inch pipe. A variance from this regulation is granted based upon Policy 13.9.13. The construction of the proposed sewer line will satisfy Policy 13.9.13 by the following provisions: 1) Pipe constructed of ASTM D3034 SDR 35 PVC pipe, 2) the sewer grade will be established by a laser, 3) The pipe will be bedded with Type 1 bedding material using Type A Trench Backfill methods or cement treated fill, 4) the sewer line will be constructed under full time inspection, and 5) the Town has sent a letter stating their acceptance of the design.

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

You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package and the General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility. Construction shall be completed by November 4, 2018

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

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

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

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

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

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

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

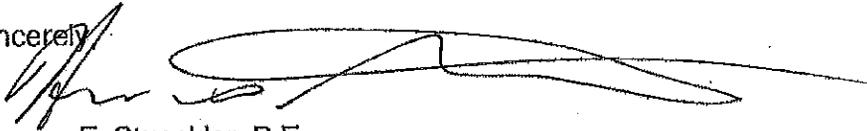


These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

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

Sincerely,



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

xc: PDF to Cheyenne
James W Johnson, Johnson Engineering Associates, 110 Superior Ct., Laramie, WY 82072



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

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

November 1, 2013

Tim Macnamara, Physical Plant Director
Laramie County Community College
1400 E. College Drive
Cheyenne, WY 82007

RE: LCCC Interim Student Services Renovation Fire Line Project, Permit No. 13-446, Latitude 41.1074, Longitude -104.7777, Laramie County

Dear Mr. Macnamara:

This project consists of constructing a 6-inch water main to provide fire suppression water to the Laramie County Community College. The above application for coverage under General Permits to construct the extension of a public water distribution system 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 the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

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

Sincerely,

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

xc: PDF to Cheyenne
Erin Gates, BenchMark Engineers, P.C., 1920 Thomes Ave., Suite 620, Cheyenne, WY 82001

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

ABANDONED MINES
(307) 332-5086
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

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



Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

November 1, 2013

Joe Combs
P.O. Box 961
Newcastle, WY 82701

RE: Combs Small Wastewater System
Application No. 13-447, Weston County

Dear Mr. Combs:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,500 gallon J&D Precast concrete septic tank discharging into two chambered trenches of approximately 15 Biodiffuser ARC 36 chambers each, for a residential building located in the NW¼, Section 35, Township 45N, Range 61W, Weston County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2015**.

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

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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.
2. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.
3. The proposed leachfield and septic tank must be a minimum of 50 feet from open waterways including seasonal and intermittent waterways.

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

Sincerely,

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

cc: IPS, Cheyenne
WDEQ Casper File (Electronic)
Weston County Growth and Development, 1 West Main Street, Newcastle, WY 82701
Mike Arp, 61 Daniel Drive, Newcastle, WY 82701

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

Lander
510 Meadowview Drive 82520
(307) 332-3144

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-448

Wapika Ranch – Septic System

This permit hereby authorizes the applicant:

Mike Huish
Wapika Ranch, LLC
1540 North 220 West
Salt Lake City, UT 84116

to construct a septic system consisting of seven 1500 gallon septic tanks (1000 gal septic & 500 gal pump chamber), one 1500 gallon pump tank, a 1000 gallon grease trap, three leach fields with total flows of 1960 gpd sized to serve a main cabin, 6 guest cabins, a bunk house and a laundry building according to the procedures and conditions of the application number 13-448. The facility is located about 14 miles southwest of the Town of Pinedale in SE ¼ SW ¼ Section 8, T31N, R110W at Long:- 109.982, Lat:42.676 in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by November 14, 2015.

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

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

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

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

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

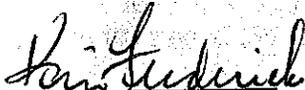
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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

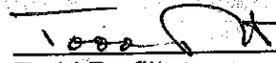
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadow View Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-7726, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided and must be completely filled out.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

12-5-13

Date of Issuance

MDB/rm/13-1133

STATEMENT OF BASIS

1. Permit Number: 13-448
2. Application reviewed for compliance with the following regulations:
Yes. Chapters 3, 11 and 25 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?

No. A variance has been requested for the depth to seasonally high groundwater.

Chapter 11, Section 36 (c)(i) requires that the depth to seasonally high groundwater must be at least four feet from the bottom of the absorption system. Septic effluent will be pumped into a Presby mound system with a total separation distance of 30 inches between the bottom of the absorption system and the seasonally high groundwater. The combination of the Presby mound system and native soil creates a treatment system which is at least equivalent to four feet of unsaturated soil.
4. If a Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.

Not Required.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, P.E., mark.baron@wyo.gov, Southwest District Engineer and completed on November 14, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

cc: Brian Gray, WLC Engineering, P.O. Box 1519, Pinedale, WY 82941
Bart Myers, Sublette County Planning, P.O. 506, Pinedale, WY 82941



Department of Environmental Quality

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



Matthew H. Mead, Governor

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

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

December 11, 2013

Dan Roberts
City of Sheridan
55 Grinnell Plaza
Sheridan, WY 82801

RE: Wyoming Avenue/Park Area Reconstruction Phase 3 Project - Water and Sanitary Sewer Improvements
Application No. 13-449, City of Sheridan, WY

Dear Mr. Roberts:

The above application for coverage under General Permits to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems and Existing Sewage Collection Systems, consisting of the removal and replacement of 4-, 8-, and 10-inch cast iron water line with 8- and 10-inch PVC water line, along with fire hydrants and associated service lines, and the removal and replacement of 8 inch Clay Tile sewer line with 8 inch PVC sewer line, including associated sewer service lines and manholes, located in the SW ¼ SW ¼ & NW ¼ SW ¼, Section 26, Township 56 North, Range 84 West, Sheridan, Wyoming, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with **Chapter 11 and 12** of the Water Quality Division Rules and Regulations, the General Permits, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2015.

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

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

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

Sincerely,

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

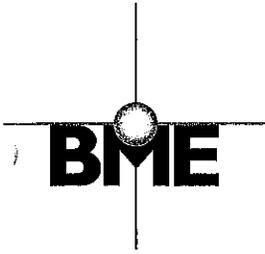
cc: IPS, Cheyenne
WDEQ Casper File
Chad Reed, P.E., WWC Engineering, 1849 Terra Avenue, Sheridan, WY 82801

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

Lander
510 Meadowview Drive 82520
(307) 332-3144

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





BenchMark
ENGINEERS, PC
Quality minded, community spirited.

AW
PERMIT NO.
13-450

November 4, 2013

Seth Tourney, P.E.
Wyoming DEQ / Water Quality Division
Hershler Building, 4W
Cheyenne, Wyoming

RECEIVED

NOV 4 2013

WATER QUALITY DIVISION
WYOMING

RE: Prairie Wind Elementary School - Wastewater System, Cheyenne, Wyoming

Dear Mr. Tourney:

We are requesting to retract the application for the wastewater system for the proposed Prairie Wind Elementary School in Laramie County that was submitted to your program on October 17. This system will be resubmitted to the UIC program for review and approval.

Respectfully,

Erin M. Gates, P.E.

cc: 1220.07