



Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 9, 2012

United States Bureau of Reclamation
Attn: Coleman Smith, Project Manager
P.O. Box 1630
Mills, WY 82644

RE: Guernsey State Park Headquarter Sewer System Rehabilitation
Application No. 12-251, Platte 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 replacing approximately 230 lineal feet of sanitary sewer service line located in the **West 1/2 of the Northeast 1/4, Section 27, T27N, R66W, Platte County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, in accordance with the general permit, conditions stated 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. In the design report, the Long Canyon Camp Host Site and the Museum sanitary sewer improvements are mentioned; however, these proposed improvements are not covered under this permit. Separate permit applications must be submitted, and approvals must be obtained from Wyoming Department of Environmental Quality for these areas.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **August 9, 2015**.

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) 777-8145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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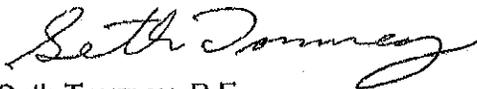
This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

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

Please reference Application No. **12-251** 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/12-0738

Enclosures: Certificate of Completion form

cc: IPS
Lance Marrs, Wyoming State Parks and Cultural Resources, 2301 Central Ave,
Barret Bldg. 4th Floor, Cheyenne, WY 82001



Rebecca Martinez <rebecca.martinez@wyo.gov>

App No. 12-251 Guernsey State Park Headquarter Sewer System Rehabilitation

1 message

Seth Tourney <seth.tourney@wyo.gov>

Tue, Jul 17, 2012 at 9:50 AM

To: Lance Marrs <lance.marrs@wyo.gov>, Rebecca Martinez <rebecca.martinez@wyo.gov>

Dear Lance,

This e-mail is to serve as your official review of Permit Application No. 12-251 for the Guernsey State Park Headquarter Sewer System Rehabilitation project.

My comments are as follows:

1. The plans, engineering letter, and specifications need to be signed and sealed by a Wyoming registered professional engineer under W.S. Title 33, Chapter 29 in accordance with DEQ Water Quality Rules and Regulations Chapter 3 Section 7(g).
2. Please clarify. The top of the drawings indicate "As-Built." Have these improvements already been constructed? If so, why?
3. Please provide the slopes and distance of reach sanitary sewer stretch in the proposed plan.
4. In regards to the cleanout configuration near the 2 houses with 2 bedrooms, will the cleaning tools make the bend around a long street elbow or is an additional cleanout required?
5. Please label the type of fitting that bends the line towards the manhole near the 2 houses with 2 bedrooms.
6. Where the label "Begin 6" SA Sewer Main" is located, is this connection made with a straight tee or a WYE connection for the service tie with the 2 bedroom house?

If you have any questions, please reply or call me at 307-777-7088.

Regards,
Seth

--

Seth Tourney, P.E.
Southeast District Engineer
Wyoming Department of Environmental Quality
Water Quality Division
122 W. 25th Street
Herschler Building, 4-W
Cheyenne, WY 82002

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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 12-253

Georgia-Pacific Gypsum Reverse Osmosis
PWS #WY5600611

This permit hereby authorizes the applicant:

Mike Becker, Plant Manager
Georgia-Pacific Gypsum LLC
Address
City, State, Zip

to install a reverse-osmosis water treatment system in the potable water system at Georgia-Pacific Gypsum LLC - Lovell Plant, according to the procedures and conditions of the application number 12-253. This project is located at S28, T55N, R94W (Lat. 44.71580, Long. -108.1865) in the county of Big Horn, in the state of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 31, 2014.

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

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

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

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

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

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

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

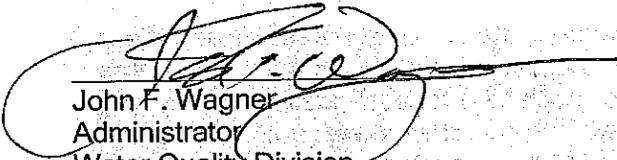
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

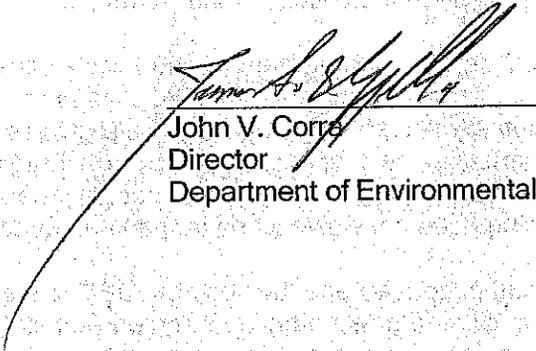
- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Dr., Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter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

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

8-3-12
Date of Issuance

HES/rm/12-0706

STATEMENT OF BASIS

1. Permit Number: 12-253
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 July 26, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

xc: William Bridges, Pryor Mountain Engineering, P.O. Box 671, Cowley, WY 82420



Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 29, 2012

Sinclair Wyoming Refining Company

Mr. Jim Larscheid
P.O. Box 277
Sinclair, WY 82334

RE: Sinclair Wyoming Refining Company: Sewer Line and Leach Field Replacement Project, Application No. **12-254, Carbon County**

Dear Mr. Larscheid:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate a Small Wastewater Facility consisting of two septic tanks, which are a 1000 gallon two-compartment and a 3000 gallon two-compartment concrete septic tanks discharging into about 21 x 93 square feet of bed type trench leach field for a three bedroom, and three two-bedroom houses, located in the **SE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 6, T21N, R85W and SW $\frac{1}{4}$ NW $\frac{1}{4}$, Section 5, T21N, R85W, Carbon County** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with **Chapter 11 Part D** of the Water Quality Division Rules and Regulations, 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. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by June 29, 2015.

1. The single compartment septic tank must be installed upstream of the two-compartment septic tank.
2. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway **from each compartment of the septic tank must be extended to the ground surface.**
3. The influent pipe into the 3000 gallon septic tank must be 3 inches higher than the effluent pipe.

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7882	ABANDONED MINES (307) 777-6146 FAX 777-6482	AIR QUALITY (307) 777-7391 FAX 777-6816	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-8884	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-8873	WATER QUALITY (307) 777-7781 FAX 777-6973
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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. **12-254** in any future correspondence. It should be noted that a reference for this permit is Permit No. 12-218.

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 & Wastewater Section
Water Quality Division

SWT/rm/12-0589

Enclosures: Certificate of Completion

cc: IPS, Sinclair
Dan Ferrin, PMPC, P.O. Box 370, Saratoga, WY, 82331
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West
Buffalo Street, Suite 336, Rawlins, Wyoming 82301



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 2, 2012

Jerrold Dalebout, Hydrologist
USDI-Bureau of Land Management
P.O. Box 1828
Cheyenne, WY 82003

RE: Five Springs Well Modification
DEQ Permit #12-256
Located in Big Horn County, SW1/4, NE1/4, S30, T56N, R92W

Dear Mr. Dalebout,

This project consists of the modification of the existing campground water system to include an in-line sediment sand filter.

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 31, 2014**

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.

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



Sincerely



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

xc: PDF to Cheyenne



Department of Environmental Quality

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



Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

June 25, 2012

Frank Rawhouser
241 Mallo Road
Newcastle, WY 82701

RE: Canyon Springs Stage Stop Small Wastewater System
Application No. 12-255, Weston County

Dear Mr. Rawhouser:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of one J&D Precast 1,000 gallon one compartment concrete septic tank and one polyethylene septic tank discharging into six rows of nine Biodiffuser ARC 36 chambers each, in a bed design, for a restaurant located in the NE ¼, Section 5, Township 47N, Range 60W, 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 11, Part D of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2013**.

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. Contact WDEQ at 307-473-3469 or 307-473-3478 for inspection upon completion of construction but prior to backfilling the system.

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
Weston County Growth and Development, 1 West Main Street, Newcastle, WY 82701
Kenneth Rathbun, P.E., Bearlodge Engineering & Surveying, P.O. Box 130, Sundance, WY 82729
Neal Bloomenrader, Wyoming Department of Agriculture, 2049 W. 43rd, Casper, WY 82604

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



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

CLASS I INJECTION WELL

() New
(X) Modified
County: Sweetwater

Permit Number: 12-257
Previous Permits: 11-289
UIC Facility Number: WYS-037-00133

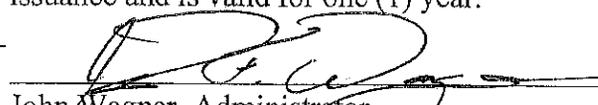
In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a)(iv), Laws 1973, Ch. 250, Section 1) and Wyoming Water Quality Rules and Regulations (WQRR) Chapter 13.

Applicant:

University of Wyoming (Carbon Management Institute)
Department 4302
1000 East University Avenue
Laramie, WY 82071
(307) 766-6810

The University of Wyoming, hereafter referred as the permittee, is authorized to operate well RSU #1 for the purpose of completing a water injectivity test according to the procedures and conditions of application 12-257 and to the requirements and other 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 does not comply with all the terms and conditions of this permit (Chapter 13, Section 8(e)).

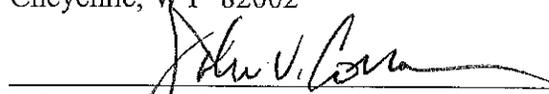
This is an individual permit for well RSU #1. This permit shall become effective on the date of issuance and is valid for one (1) year.



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

9/12/12

Date



John V. Corra, Director
Department of Environmental Quality
Herschler Building 4-W, 122 West 25th Street
Cheyenne, WY 82002
JP/rm/12-0829

9/13/12

Date

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A. Discharge Zones

The disposal well RSU #1 is authorized to inject into the Weber and Madison formations within the intervals specified in **Table 1**:

Table 1. Discharge Zone(s)

Formation Names	Surface Elevation	Depth to Top of Discharge Zone	Depth to Bottom of Discharge Zone	Gross Discharge Zone Thickness	Well Depth (PBSD)
Weber	6,841 ft	11,190 ft	11,412 ft	222 ft	12,747 ft
Madison		12,342 ft	12,470 ft	128 ft	12,747 ft

Additional perforations in addition to those listed in the application may be installed within the intervals given above. Perforations above or below the intervals in **Table 1** require the prior written approval of the Administrator.

The confining zone immediately above the discharge zone consists of approximately 325 feet of shale and anhydrite in the Dinwoody formation.

B. Well Locations and Areas of Review

The well authorized by this permit is located as shown in **Table 2**:

Table 2. Well Location(s)

Well Name	Legal Description	Latitude*	Longitude*
RSU #1	S16; T20N; R101W	41.7126	-108.7948

*NAD83 (meters)

One section included in the Area of Review (Chapter 13, Section 5(b)(iv)(E)) is listed in **Table 3**. Results of the area of review calculations (Chapter 13, Section 5(b)(iv)) are shown in **Table 4** (12 days of injection). The area of review is based on the larger of: the radius of a pure waste cylinder, the radius of the cone of influence, or the minimum radius (Chapter 13, Section 5(b)(iv)).

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

Well Name	Quarter-Quarters	Section	Township	Range
RSU #1	NE ¼, SE ¼	16	20N	101W

Table 4. Area of Review

	RSU #1
Radius of a Pure Waste Cylinder (ft)	660
Radius of the Cone of Influence (ft)	0*
Minimum Radius of Area of Review (ft)	1,320

There are no wells which penetrate the confining units of the proposed injection well within the Area of Review. There are no deep wells which are within the Areas of Review but do not penetrate the confining units. The Erickson Sandstone formation is the lowermost USDW.

C. Groundwater Classification

The groundwater in the Weber and Madison formations within 1,320 feet of the disposal well and with upper and lower boundaries defined by the discharge zone in **Table 1** are classified as Class VI according to WQRR, Chapter 8. This classification was made for the following reason(s):

- The Weber formation has Total Dissolved Solids in excess of 89,000 mg/L and the Madison formation has Total Dissolved Solids in excess of 75,000 mg/L.

Precambrian igneous rocks exist below the Madison formation and effectively act as the lower confining unit.

D. Authorized Operations

Well Design – Injection shall be conducted through tubing which has been secured by a packer set within 500 feet of a seal assembly within the top of the 3.5 inch chrome liner 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 well is allowed the maximum instantaneous injection rate shown in **Table 6** provided that the surface pressure limitations are not exceeded. The permittee shall set an alarm or kill switch to prevent injection above the permitted rate.

Permitted Injectate - Injectate is described as follows:

- Non-contact process water from the Jim Bridger power plant surge pond

North American Industry Classification System (NAICS) – 32512

The expected concentrations for constituents in the non-hazardous injectate are listed below in **Table 5**.

Table 5. Water Analysis of Injectate*

Constituents	Concentration	Units
Sodium	588	mg/L
Calcium	40	mg/L
Magnesium	5	mg/L
Iron	0.80	mg/L
Chloride	800	mg/L
Sulfate	90	mg/L
Carbonate	26	mg/L
Bicarbonate	171	mg/L

TDS	1694	mg/L
pH	8.36	standard units
Temperature (F)	68	F

mg/L –milligrams per liter *Data obtained from Baker Hughes Water Analysis Report (6/20/2011)

Permission to discharge other non-hazardous waste may be authorized through a minor permit modification (Chapter 13, Section 8(d)(v)). Additional monitoring may be required for additional waste types.

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

Injection Pressure - The injection pressure 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 well are listed in **Table 6**. The temporary limit applies until recalculation of the parameters in **Table 6** following completion of well testing. Exceeding the limiting surface injection pressure (LSIP) in **Table 6** or creating or propagating fractures within the receiver or confining zone once injection 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 the proposed well, the permittee shall conduct a step-rate injection test within one year of permit issuance to determine the actual fracture pressure of the receiver(s) (Chapter 13, Section 9(d)(ii)) unless an equivalent or better well test analysis is accepted by the Administrator. Such tests shall be conducted using both surface and down hole pressure gauges or transducers. For a conclusive result, at least three of the injection rate steps below the fracture threshold will be colinear. Upon completion of the test, the permittee shall recalculate the maximum surface injection pressure (MSIP) and LSIP.

If the recalculated LSIP is greater than the temporary LSIP in **Table 6**, 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 6**, the permittee must cease injection and not restart discharge until the wellhead pressure can be maintained below the recalculated LSIP. The permittee may conduct additional step-rate injection tests at its discretion to refine estimates of MSIP as injection continues. Step-rate or equivalent test data, analyses, and interpretations shall be submitted to the Administrator within thirty (30) days of completion of the test or with the next quarterly report, whichever is later.

Annulus Pressure – The annulus between the injection tubing and the long string casing shall be filled with a corrosion-inhibiting fluid and be monitored and maintained in a way that allows reliable leak detection. The annulus pressure shall be maintained within the limits set in **Table 6**. During periods of continuous injection, the annulus pressure should be reasonably constant but large variations in pressure are permissible during startup and shutdown. The permittee shall set alarms or use daily observations to detect increases or decreases in annulus pressure and shall cease injection and shut the well in if a pressure change indicates the possibility of a loss of

mechanical integrity. Interpretations of pressure changes shall take into account annulus pressure changes due to variations in temperature of the injected and annulus fluid.

New Well Construction - Any well stimulation activities after the commencement of injection require prior approval by the Administrator. The packer at the bottom of the tubing shall be set within 500 feet of a seal assembly within the top of the 3.5 inch chrome liner and within a zone of good quality cement bond as shown by a cement bond log.

Table 6. Maximum and Limiting Surface Injection Pressures (MSIP, LSIP)

	RSU #1
Maximum Injection Rate (ft ³ /day)	23,400
Maximum Injection Rate (barrels/day)	4,167
Maximum Annulus Pressure (psig)	800
Minimum Annulus Pressure (psig)	200
Assumed Fracture Gradient, F_r (psi/ft)	0.68
Depth to Top of Perforations, D_p (ft)	11,155
Fracture Pressure, P_f (psig) = $F_r \cdot D_p$	7,585
Estimated BH Temperature (°F)	216
Estimated Mid-perforation Temperature (°F)	189
Estimated TDS of Formation (mg/L)	35,000-50,000
Estimated Maximum TDS of Injectate (mg/L)	1700
Density of Injectate, ρ_j (g/cm ³)	1.00
Injectate Fluid Gradient (psi/ft)	N/A
$grad_j = \rho_j \cdot 12 \frac{in}{ft} \cdot 16.387 \frac{cm^3}{in^3} / 453.592 \frac{g}{lb}$	
$MSIP = (D_p \cdot F_r) - (D_p \cdot grad_j)$ (psig)	1,200
$LSIP = 0.9 \cdot MSIP$ (psig)	1,000

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 web site - <http://deq.state.wy.us/wqd/groundwater/uicprogram/index.asp> for a newly constructed or modified well; and
3. The permittee has provided the Administrator with sufficient notice to allow for inspection of the well (Chapter 13, Section 9(d)(xxiv)); and
4. Mechanical integrity of the well and cement bonding of the long string casing have been proven or demonstrated to the satisfaction of the Administrator; and
5. The permittee has demonstrated financial assurance (Chapter 13, Section 17(a));

6. The permittee has received written approval from the Administrator to begin injection.

E. Prohibitions

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

No person shall conduct any authorized injection activity in a manner that results in a violation of any permit condition or representations made in the application (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 casing in the hole 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. 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 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.
2. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The name(s) of individual(s) who performed the sampling or measurements;
 - c. The types of sample containers used, methods of preservation, and holding times;
 - d. The date(s) analyses were performed;
 - e. The name(s) of individual(s) who performed the analyses;
 - f. The analytical techniques or methods used;
 - g. The results and precision of such analyses.

3. For any new well or newly perforated zone within an existing well, the permittee shall collect a baseline groundwater quality sample from each aquifer or formation within the new discharge zone(s) (Chapter 13, Section 13(a)) and submit results for all the analytes and parameters in WDEQ-WQRR Chapter 8, Table 1 and for the entire suite of volatile organic compounds listed for EPA Method 624 or other method acceptable to the Administrator prior to injection. The methods and procedures for sample collection and analysis must be approved by the Water Quality Division prior to sampling.
4. The permittee shall collect at least two measurements of hydraulic head (or fluid density and pressure) within the sandstone of the Weber formation and the limestone of the Madison formation.
5. Operational Monitoring (Chapter 13, Section 13(b)(ii)):

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

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

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

Discharge Zone Reservoir Pressure, Reservoir Boundaries or Anomalies, Permeability, and Skin Factor - The Administrator may require the permittee to shut-in the completed well covered by this permit one-time for a period of time long enough to observe a valid pressure fall-off curve (Chapter 13, Section 13(e)). For the first test, the minimum duration of injection and fall-off shall be calculated according to the equations on page A-4 of the "UIC Pressure Falloff Testing Guideline" (USEPA Region 6, August 2002), or the equivalent equations in subsequent editions. Tests shall be analyzed by the permittee using commonly accepted methods to obtain transmissivity, permeability, and skin factor and to identify reservoir boundaries (including flow in fractures) and other anomalies such as partial penetration or layering. The test method chosen should be justified by a review of relevant assumptions and actual well and aquifer conditions. Along with the analysis and interpretation, the permittee shall submit plots of injection rate, pressure, and the pressure derivative versus time on appropriate graphs. If the method used differs from previous methods used for the same well, the analyst should discuss the comparability of the results.

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

Radius of Influence - The results of each pressure fall-off or equivalent test acceptable to the Administrator shall be used to update the radius of influence calculation for each discharge zone (**Table 1**). The permittee shall provide a map showing the updated radius of influence and all wells which penetrate the confining zone within the old and new radii of influence.

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

Radius of influence calculations, figures, and interpretations shall be submitted to the Administrator at the address in paragraph K.6 within thirty (30) days of the 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 measure the quality of the injectate prior to injection (Chapter 13, Section 15(c)(v)). The samples must be representative of the waste as it enters the disposal well and include any anti-scalants, biocides, or other additives. **Table 5** lists the analytes and parameters to be determined prior to injection.

Limiting Concentrations of Injectate - Upper control limits for this permit are listed in **Table 7**. Exceedances of these values are a violation of this permit and require notification under Section K of this permit.

Table 7. Control Limits for Injected Waste

Analyte or Parameter	Upper Control Limit
pH	2.00 < pH < 11.00 s.u.

J. Sampling and Test Procedures

The following units are to be used where applicable: pounds (mass) per square inch for pressure with gage or absolute pressure noted (psig or psia); standard oil field barrels (bbl, equivalent to 42 gallons) for fluid volume; standard oil field barrels per day (bbl/day) for fluid flow rates; milligrams per liter (mg/L) for analyte concentrations 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). Carbon dioxide injection shall be reported in ft³/day and tonnes/day. 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 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 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. Reports - Reports shall be submitted to the Administrator no later than 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.trihydro.com> within 45 days of the end of quarter. The written quarterly report for each well shall include the following information:
 - a. The minimum, average, and maximum instantaneous injection rates 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 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 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 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. Copies of customer water quality reports and a comparison with the permittee's quarterly samples as described under "Physical and Chemical Properties of the Injectate" in Section I.
 - 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 item 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 year's operation and shall be prepared on scales appropriate to the variation observed.
8. Well Tests - Reports of well tests conducted less than thirty days before the end of a calendar quarter shall be submitted within thirty (30) days of test completion (Chapter 13, Section 15(f)).
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 as soon as practicable 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 or equivalent test acceptable to the Administrator is required within one year of permit issuance (Chapter 13, Section 9(d)(ii)) or at the time of well completion and prior to injection.

L. Permit Conditions

This permit is issued for a period of one (1) year. If the permittee wishes to continue injection after the expiration date of this permit, he shall apply to the Administrator at least four 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 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 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 pressure tested to the maximum permitted surface injection pressure or 1,000 psig whichever is greater. A pressure change of less than 10% after thirty (30) minutes shall be considered a successful test.

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 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 hours, and preferably more than twenty-four (24) hours for an active well, after injection has ceased. An alternative method may be 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 approved by the Administrator.

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

Data, results, analyses, and interpretations for the tests shall be submitted to the Administrator at the address in paragraph K.6 within thirty days or with the next quarterly report after the test is done, whichever is later (Chapter 13, Section 15(f)).

In the case of a failed mechanical integrity test in a well that has begun injection, 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.

If at any time injection occurs in any zone not within the discharge zone, a permit violation has occurred. The operator shall prepare an estimate of the volume and quality of all

wastewaters which were injected outside of the discharge zone. In the case where any aquifer meeting the standards for Class I through IVA under Wyoming Water Quality Rules and Regulations, Chapter 8, has been contaminated due to out of zone injection, the operator shall prepare and implement a plan to recover these solutions. Injection shall not resume until the well has been repaired, a complete mechanical integrity test has been passed, and written permission to resume operation has been obtained from the Administrator.

N. Plugging and Abandonment

Any well under this permit shall be plugged and abandoned within six (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 (Chapter 13, Section 9(d)(xxvi)) at least ninety (90) days prior to the start of any conversion or abandonment activity. The permittee shall follow the plugging and abandonment procedure described in the 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. In no case shall the procedure be less stringent than that required by USEPA for Class I non-hazardous waste disposal wells at the time of abandonment (e.g., Title 40 Code of Federal Regulations Part 146.10)

As soon as practicable after plugging and abandonment of any well covered by this permit, the permittee shall submit a plugging and abandonment report describing all activities and detailing any deviations from the original plan (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 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 to reclaim the surface facilities in a manner approved by the Administrator (Chapter 13, Section 17 (a)).

The obligation to maintain financial responsibility 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 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 permittee is required to maintain financial responsibility and resources in a form approved by the director, to close, plug and abandon the discharge operation, and reclaim the surface facilities in a manner prescribed by the director. The financial assurance consists of a Letter of Credit in the amount of \$140,000 from First Interstate Bank. This Letter of Credit or replacement financial instruments shall be maintained as long as this well is covered under this permit.

The financial responsibility amount shall be increased by 3% each calendar year. Annual financial responsibility document updates shall be submitted to the Administrator no later than February 14 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)). The following specific conditions are established for this permit:

- None.

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, nor 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. WDEQ recommends that permittees consider how these laws may apply to their injection of material into the subsurface.

V. Severability

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



Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

September 12, 2012

Mr. Ronald C. Surdam
University of Wyoming (Carbon Management Institute)
Dept 4302
1000 E. University Avenue
Laramie, WY 82071

RE: University of Wyoming – RSU #1
Final Permit 12-257, Class I Non-hazardous
Sweetwater County, Wyoming

Dear Mr. Surdam:

Attached please find one copy of the Class I permit. This permit requires the following reports as follows: one-time pressure fall-off test for each formation, one-time step rate test for each formation, 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/12-0829

Enclosures: Permit

cc: Ms. Lynne Boomgaarden, Belcher & Boomgaarden, 237 Storey Boulevard, Suite 110, Cheyenne, WY 82009
Kevin Frederick, WDEQ



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 12-258

REMEDIAL DESIGN, REMEDIAL ACTION CONSTRUCTION AND REMEDIAL ACTION OPERATION,
SITE 4, WYOMING AIR NATIONAL GUARD, CHEYENNE, WY

This permit hereby authorizes the applicant:

WYOMING AIR NATIONAL GUARD

Lt. Col. Robert Miknis
217 Dell Range Boulevard
8206 Vera Lane
CHEYENNE, WY 82009

to conduct a land application of the treated water which is extracted from remediation wells for the zero-valent iron (ZRI) permeable reactive barrier (PRB) and in-situ chemical reduction (ISCR) processes according to the procedures and conditions of the application number 12-258. The facility is located in the SW ¼ SE ¼ Section 19; T14N, R66W; Laramie County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed September 21, 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.

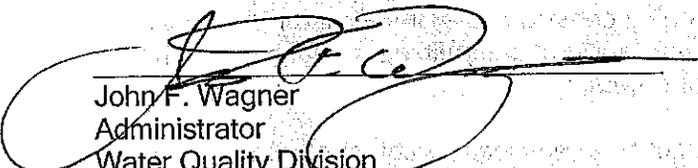
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

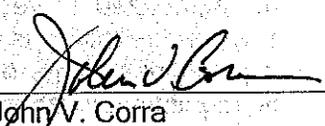
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 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 307-777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
4. The aqueous waste will be sampled and tested according the procedures in the permit application prior to each discharge event for the land application methods.
5. The chromium with an oxidation state of three Cr(III) precipitate gathered in the treatment basins will not be land applied, and this precipitate will be properly managed in accordance with other disposal permits.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

Date of Issuance 9-25-12

SWT/rm/12-0877

STATEMENT OF BASIS

1. Permit Number: **12-258**
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.

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, Water and Wastewater Program Manager, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on September 21, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

REVIEW OF PLANS AND SPECIFICATIONS

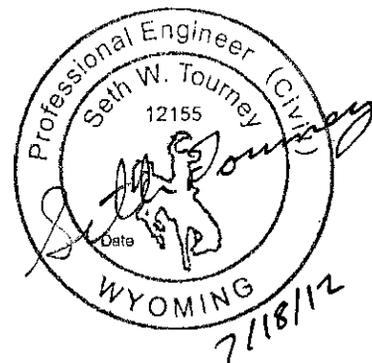
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY / WATER QUALITY DIVISION
122 West 25th Street, Herschler Building 4 West, Cheyenne, Wyoming 82002

PROJECT: Land Application of Aqueous Waste Wyoming Air National Guard

ENGINEER: Casey Hudson (CH2M HILL)
1000 Abernathy Road, Suite 1600
Atlanta, GA 30328

APPLICANT: Lt. Col. Robert Miknis (Wyoming Air National Guard)
217 Dell Range Blvd
Cheyenne, WY 82009

WATER QUALITY DIVISION REFERENCE NUMBER: 12-258
REVIEWING ENGINEER: Seth W. Tourney
DATE OF REVIEW: July 18, 2012



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. Please note that the subsurface injection for in-situ chemical reduction (ISCR) will require an Underground Injection Control (UIC) permit from the groundwater section of Wyoming Department of Environmental Quality Water Quality Division.
2. Please clearly indicate the owner of the property. Does the Air National Guard clearly own this property? Regardless, please obtain written permission of the landowner to grant the land application of these activities. Please note that this is best shown in a letter format from the landowner.
3. On page 1 of the report, it indicates that the intention of the remedial action construction (RA-C) activities is to treat TCE, CCL4, and CR(VI) contamination in groundwater to the WDEQ Groundwater Cleanup Levels (GCLs) of 5, 5 and 109 ppb. However, prior to land application, the water quality will need to meet the 100 ppb requirement for total chromium. This requirement level is in accordance with the Environmental Protection Program (EPA) safe drinking water maximum containment level (MCL) and Wyoming Department of Environmental Quality (WDEQ) Voluntary Remediation Program (VRP) Factsheet #12.
4. The report does not address the treatment techniques or processes to address the chromium requirements. Please provide technical information regarding the treatment process for chromium removal and disposal.
5. On page 3 of the report, it indicates that during the RA-C phase, the ZVI PRB installation activities, the aqueous waste will be containerized in 20,000 gallon

PROJECT: Land Application of Aqueous Waste Wyoming Air National Guard
DATE OF REVIEW: July 18, 2012

tanks with aeration bubblers. Please provide detail drawings of the storage tank and the bubblers.

6. On page 3 of the report, it indicates that during the RA-C phase of the ISCR activities and the all of the remedial operation activities (RA-O), the aqueous waste will be containerized in 500 gallon tanks. Please indicate if aeration bubblers will be provided in these tanks as well or other treatment techniques for the VOCs. Please provide detailed drawings on the storage tank and bubblers, if applicable.
7. In regards to the sampling plan, please clearly indicate how and when the samples will be obtained and analyzed prior to discharge onto the land application site.
8. In regards to the land application area, please indicate how drainage patterns will affect the operation of land applying the aqueous waste. Does the land application of aqueous waste have a possibility of running off the application site?
9. Since the method of application is a point discharge from a pipe, please provide additional information on the land application techniques to cover the entire ½ acre application site.

END OF REVIEW

SWT/rm/12-0647



Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 7, 2012

Kathleen J. Corson Trust
Attn: Donald R. Corson, Trustee
Box 194
Baggs, Wyoming 82321

RE: Donald Corson Home – Existing Septic System Expansion,
Application No. **12-259, Carbon County**

Dear Mr. Corson:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility** consisting of a new replacement 1000 gallon, two compartment, polyethylene septic tank discharging into about 200 feet of rock and perforated pipe leachfield, divided into four equal length trenches (two existing & two new) of about 50 feet long each, for a 3 bedroom home, located in the **NW¼ NW¼, Section 17, T12N, R91W, Carbon County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with **Chapter 11, PART D** of the Water Quality Division Rules and Regulations, 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. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **August 7, 2014**.

The following project specific conditions also apply:

1. Repair/Replacement of Existing Leachfield Lines - if during construction, any of the existing leachfield lines are exposed with broken or cracked leach pipe, these damaged sections shall be repaired or replaced.
2. New Leachfield Trenches and Distance from Irrigation Ditch - the new leachfield trenches installed to expand the leachfield shall not be located any nearer to the irrigation ditch than the nearest existing leach trench.

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 777-5816	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5873	WATER QUALITY (307) 777-7781 FAX 777-5973
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3. Polyethylene Septic Tank Installation Requirements - to ensure structural integrity, the manufacturer's instructions regarding bedding the tank and filling the tank with water during burial must be followed during installation. Additionally, immediately after clean-outs, the tank must be refilled with water according to the manufacturer's instructions to maintain structural integrity.

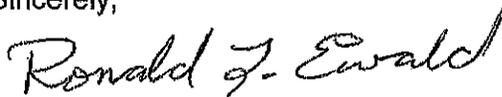
This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:

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

Please reference Application No. **12-259** in any future correspondence.

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

Sincerely,



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

RLE/m/12-0715

Enclosures: Certificate of Completion

cc: IPS, Cheyenne

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

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

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Donald Corson Home: As-Built Septic System Application

LOCATION: NW¼ NW¼, Section 17, T12N, R91W, Carbon County

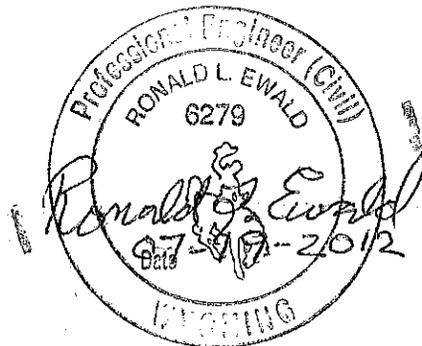
ENGINEER: - For Percolation Tests Only -
Mark W. Blakley, P.E.
Little Snake River Conservation District
P.O. Box 355
Baggs, Wyoming 82321
Ph: (307) 383-7860

APPLICANT: Kathleen J. Corson Trust
Donald R. Corson, Trustee
Box 194
Baggs, Wyoming 82321
Ph: (307) 383-7340

WATER QUALITY DIVISION REFERENCE #: 12-259

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

DATE OF REVIEW: July 19, 2012



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

COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Minimum Infiltrative Surface Area Required Incorrect - you accidentally multiplied the design flow of 500 gallons per day(gpd) times 0.5 = 250 sq. ft.; instead of dividing by 0.5 = 1000 sq. ft. required. See the bottom of page 6. The 1000 sq.ft. is the minimum area required by which the rest of the application has to be evaluated. At 1000 sq.ft. required the leachfield is too small. Will have to figure out a way to add additional leach area to what exists now.
2. Equal Effluent Distribution - equal effluent distribution to all of the leachfield trench lines is needed. The application says on pg. 14 in the "piping" section that a d-box was not used, and that flow divider tees were not used either. Without a d-box, how does the flow get distributed equally to three(3) lines? This will need to be examined further.
3. Leachfield Minimum Distance from Bodies of Water - the site plan indicates that the leachfield is only 25 feet away from the ditch, whereas the minimum requirement is 50 feet. Also, it appears on maps that the "Four Mile Creek" runs very near to, or through, the NW $\frac{1}{4}$ NW $\frac{1}{4}$ of Section 17. Where is Four Mile Creek relative to your property and septic system?

Note - it is my intention to do an on-site evaluation to see if there is a way to correct these concerns while still using what is already there. I will schedule a meeting. Also, after I have done my on-site evaluation I might be able to grant a variance for some of the concerns identified above. I *might* be able to depending on what I find.

END OF REVIEW

RLE/rm/12-0651



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

July 13, 2012

Daniel Rehard
208 Overland Trail
Gillette, WY 82716

RE: Rehard Small Wastewater System
Application No. 12-260, Crook County

Dear Mr. Rehard:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon Norwesco polyethylene septic tank discharging into four pipe trenches of approximately 61 feet each, for a three bedroom home located in the NW ¼, **Section 26, Township 51N, Range 65W**, 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 11, Part D** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. 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

Additionally, the following permit condition applies:

1. 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.
2. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

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



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

CLASS V INJECTION WELL

- New
 Modified (Renewal)

Permit Number **12-261**
Facility Number WYS-005-126
State Subclass: 5E3
Previous Permit: UIC 00-036

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

Applicant: Rocky Mountain Rentals, Inc (Lake View Mobile Home Park).
Attn: Mr. Lonnie S. Crowley
4150 Collins Road East
Gillette, WY 82718
(307) 687-0431

Lake View Mobile Home Park, hereafter referred to as the permittee, is authorized to continue operating the septic systems located in the NW^{1/4} of the NW^{1/4} of Section 22 Township 50 North, Range 72 West, of the 6th Principal Meridian, Campbell County. The permittee is allowed to operate the facility according to the procedures, conditions, and requirements of this permit.

This permit shall become effective on date of issuance.

John Wagner, Administrator
Water Quality Division
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

Date

Todd Parfitt, Director
Department of Environmental Quality
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

Date

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A. Discharge Zone

The injection facility (sanitary leachfield) is authorized to inject 3,990 gallons per day average (calculated as 60% of maximum) and 6,650 gallons per day maximum (calculated as 18 residences x 350 gallons per day + one shop with one restroom x 350 gallons per day). The primary treated wastewater is injected into an alluvial aquifer that consists of mudstones and sandstones decomposed from the Wasatch Formation, which underlies the alluvium. Depth to groundwater in the vicinity of the leachfield is approximately 40 ft, based on State Engineer's Office reports of nearby supply wells.

B. Well and Area of Review

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

NW¼ of the NW¼ of Section 22 Township 50 North, Range 72 West, of the 6th Principal Meridian, Campbell County.

The Area of Review is defined as a circular area of 360 acres with the injection facility located near its center. The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10	Years
Porosity	20	Percent
Maximum Injection Rate	6,650	GPD
Thickness of Receiver	100	Feet
Area of Review	360	Acres
Hydraulic Conductivity	5	Feet/Day

C. Groundwater Classification

The groundwater in the alluvial aquifer beneath the permittee's property is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater in this formation is currently being used for domestic purposes at nearby points of withdrawal.

Ground water of Class I shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

The operator is authorized to inject at a pressure of no more than atmospheric pressure as measured at the leachfield. This pressure is controlled by gravity drainage and is not required to be monitored. The permittee is authorized to inject 3,990 gallons per day on average and 6,650 gallons per day maximum. The wastewater is produced from a mobile home park that currently contains eighteen (18) serviceable mobile home spaces, and one shop with restroom facilities. The wastewater is injected into the unconfined alluvial aquifer. The wastewater is described as primary treated domestic sewage from septic tanks.

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

E. Hazardous Waste

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

F. Proper Operation and Maintenance

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes: effective performance, adequate funding, operator staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit. The injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapters 11, 16, and 25.

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

G. Entry and Inspection

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

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. A groundwater sample is considered representative of the aquifer being monitored when the well has been purged to remove stagnant water prior to collection of a sample for laboratory analysis. Purging can be considered complete when a sufficient volume of water has been removed from the well and stabilization of select groundwater

parameters has been achieved. It is important to record the circumstances surrounding each sample collection event at your facility. These records can help resolve analytical discrepancies. Both purging methods below shall be used prior to sample collection:

a. Purge by Volume Method

Removal of a *minimum* of three casing volumes of water from the well should be completed prior to collecting a groundwater sample. Minimum purge volume can be calculated by the following equation:

$$\text{Minimum Purge Volume} = 3 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163	6 inch well = 1.47
4 inch well = 0.653	8 inch well = 2.61

b. Stabilization of Parameters Method

Purging of groundwater until select field parameters have stabilized can be used to demonstrate that a representative sample was collected. Field parameters measured during purging should include at a minimum temperature, pH, and specific conductance. Field parameters should be measured after removal of every half casing volume of water.

$$\text{Half Casing Volume} = 0.5 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163	6 inch well = 1.47
4 inch well = 0.653	8 inch well = 2.61

A minimum of six (6) parameter measurements should be collected. If field parameters have not stabilized between the last three readings, purging and parameter measurement should continue until stabilization has been achieved. Stabilization can be demonstrated by a variance of no more than +/- 10% for temperature and specific conductance, and +/- 0.2 standard units for pH.

2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.
4. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;

- b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The time(s) analyses were initiated;
 - e. The initials or name(s) of the individual(s) who performed the analyses;
 - f. References and written procedures for the analytical techniques or methods used;
 - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
 6. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
 7. The permittee shall report any noncompliance which may endanger health or the environment within twenty-four (24) hours from the time the operator becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;
 - c. A written submission shall be provided within five (5) days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause, the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
 8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.
 9. The monitoring reports shall be submitted on forms provided by the Department. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than forty-five (45) days following each schedule date.
 10. One (1) down gradient monitor well shall be installed at this facility within six (6) months of permit issuance. The permittee must obtain approval from the UIC program regarding the design and siting of the monitor well prior to installation. The monitor well shall be drilled until a saturated aquifer is reached, or a depth of 250 feet is reached, whichever depth is encountered first.

I. Requirements for Monitoring Groundwaters of the State

The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in **Table 2**. The following parameters shall be analyzed semi-annually and reported annually:

Table 2 (Annual Groundwater Monitoring Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	EPA METHOD	STANDARD METHOD	PERMIT LIMIT or UCL	HOLD TIME & TEMPERATURE
Monitor well, downgradient of leachfields (to be installed within 6 months of permit issuance) ⁴	Semi-Annually (January-June and July-December)	Ammonia as N	350.1	SM 4500-NH3	0.50 mg/L	28 days / 4° C
		Nitrate-Nitrite as N	300.0; 353.1; 353.2 or 353.3	4500-NO3 or 4110	10 mg/L	28 days / 4° C
		Chloride	300.0; 300.1; or 353.2	4140 B, 4140 B, or 4500-Cl	250 mg/L	28 days / no specified temperature
		pH (standard units; s.u.)	150.1 or 150.2	4500-H+B	6.5-8.5 s.u.	measure in the field at time of sample collection.
		Total Coliform ²	presence/absence test	9221 or 9222	Absent	24 hours / 4° C
	Only when coliform is positive	E. Coli	1603.1	9223	0 colonies/100mL	6 hours / 4° C
	Monthly	Total volume	Flow meter reading		5000 gpd	N/A
Septic Tank ³	Annually	Sludge depth in tank (ft)	Visual		2 feet	N/A

NOTES:

¹ All applicable chemical concentrations in this permit are expressed as total (not dissolved) in mg/L unless otherwise noted.

² A positive test for the presence of Total Coliform may require a follow-on test to determine the concentration and specific type of bacteria in the water.

³ The septic tanks serving the Inexco Mobile Home Park is to be inspected, at a minimum, annually and must be pumped as necessary based on sludge depth at bottom of the septic tanks, and at least once every five years. A copy of the invoice for pumping the tanks is to be included with the annual report. Sludge depth is not to exceed 24 inches in the septic tanks and 6 inches in the grease trap.

⁴ At least one monitor well must be installed at this facility within 6 months of issuance of this permit. The permittee must obtain approval from the UIC program regarding the siting of the monitor well prior to installation. The new monitor well shall be constructed downgradient of the existing leachfields. The monitor well shall be drilled until a saturated aquifer is reached, or a depth of 250 feet is reached, whichever depth is reached first.

All annual reports are to be reported within forty-five (45) days of the last day of each year (February 15th).

The upper control limits (UCL) in **Table 2** cannot be exceeded in any sample. Exceedance of these values is a violation of this permit and shall require notification under Section K of this permit. If the UCL is exceeded in a sample, additional monitoring wells may be required to determine whether groundwater has been impacted and to delineate the nature and extent of any contamination resulting from operation of the permitted facility.

J. Test Procedures

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

K. Records and Reports

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

L. Permit Actions

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

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

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

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

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

M. Abandonment

General Requirements:

1. The permittee shall notify the administrator at least thirty (30) days prior to abandonment of the facility.
2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this permit, or describing any deviations from the original plan, shall be submitted as soon as practicable after abandonment. The abandonment shall include reclamation of the well site.
3. Injection wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 16, Section 12.

N. Duties of the Permittee

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

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

O. Signatories Requirement

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

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

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

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

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

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

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

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

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

P. Noncompliance

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

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

Q. Permit Transfer

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

R. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

S. Severability

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

End of Permit-

DRAFT

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

- A. UIC Permit Number: **12-261**
- B. Facilities Covered: Lake View Mobile Home Park
- C. Class of Facility: Class V (Wyoming Water Quality Rules and Regulations, Chapter 16)

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

- | | | | |
|---------------|-----|---------------|-----|
| A. Chapter 8 | Yes | C. Chapter 13 | No |
| B. Chapter 11 | Yes | D. Chapter 16 | Yes |

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

- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

- B. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

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

Not Applicable

V. Documentation of Statement of Basis.

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

VII. Applicant and Public Participation.

- A. The applicant has been provided with a draft permit prior to the permit being issued.
- B. A Public Notice has been issued with a public notice period starting February 22, 2013 and ending on March 23, 2013 (30 day notice as required by Wyoming Water Quality Rules and Regulations, Chapter 13). This notice was published in the Gillette News Record on or before the start of the public comment period.

Certification.

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6. This review was performed by Kathy Shreve, completed on August 22, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis".

STATE OF WYOMING PUBLIC NOTICE

THE PURPOSE OF THIS NOTICE IS TO INDICATE THE STATE OF WYOMING'S INTENTION TO ISSUE A MODIFIED UNDERGROUND INJECTION CONTROL PERMIT AND TO CLASSIFY THE RECEIVING GROUNDWATER OF THE STATE IN THE VICINITY OF THE PERMITTED INJECTION UNDER THE WYOMING ENVIRONMENTAL QUALITY ACT (35-11-101 ET. SEQ. WYOMING STATUTES 1957, CUMULATIVE SUPPLEMENT 1973), AND DEPARTMENT OF ENVIRONMENTAL QUALITY, WATER QUALITY RULES AND REGULATIONS CHAPTERS 8, 11 AND 16. THIS PERMIT WILL ALLOW THE DISPOSAL OF AN AVERAGE OF 3,990 GALLONS PER DAY AND A MAXIMUM OF 6,650 GALLONS PER DAY OF WASTEWATER AND SEWAGE INTO ONE (1) LEACHFIELD.

PERMIT NUMBER: 12-261; PERMITTEE NAME: Mr. Lonnie S. Crowley (Rocky Mountain Rentals, Inc.), 4150 Collins Road East, Gillette, WY 82718; PHONE: (307) 687-0431; FACILITY NAME AND LOCATION: Lake View Mobile Home Park, located in Section 22, Township 50 North, Range 72 West, Sixth Principal Meridian, Campbell County, Wyoming.

The permit proposes to re-authorize the injection of an average of 3,990 gallons per day (gpd) and a maximum of 6,650 gpd of primary treated domestic waste into one (1) existing leachfield. The leachfield will receive domestic waste from eighteen (18) mobile home spaces. The primary treated wastewater is injected into an unconfined alluvial aquifer. The groundwater is approximately 40 feet below ground surface at the injection locations.

The groundwater in the alluvial aquifer is classified as Class I according to Wyoming Water Quality Rules and Regulations; Chapter 8. This classification is made because the groundwater in the immediate vicinity is being used for domestic purposes at several points of withdrawal.

The proposed permit requires that the permittee monitor the injection and groundwater quality from a monitoring well and submit periodic reports. Monitoring is designed to show that there will not be a groundwater standards violation as a result of this injection. Underground Injection Control regulations require that each permitted injection well be reviewed thoroughly at least every five (5) years in addition to the normal review done quarterly.

Other tentative determinations have been made by the State of Wyoming relative to conditions to be imposed on the permit. These conditions will assure that useable water of the State will be protected and applicable provisions of State statutes and regulations will be followed.

PUBLIC COMMENTS on the proposed permit and the proposed groundwater classification should be submitted in writing and addressed to: Wyoming Department of Environmental Quality, Water Quality Division, Kathy Shreve., Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; or by FAX to (307) 777-7610. Comments submitted by email *will not* be considered. All written comments received prior to 5:00 P.M., March 23, 2013 in the Cheyenne office will be considered.

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

If a hearing is not warranted, the final permit will be issued at the end of the public comment period.

Public Notice **12-261**

Publish on or before February 22, 2013 Gillette News and Record



Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

June 26, 2012

Mr. Lonnie S. Crowley
Lake View Mobile Home Park
4150 East Collins Road
Gillette, WY 82718

RE: Rocky Mountain Rentals Inc. – Lake View Mobile Home Park
Draft Permit **12-261**, Class V Injection Wells
Campbell County, Wyoming

Dear Mr. Crowley:

Attached, please find comments developed by the Wyoming Department of Environmental Quality (WDEQ) with respect to the content and adequacy of the Wyoming Water Quality Rules and Regulations, Chapter 16, Class V permit application.

The WDEQ received this application on June 20, 2012 and has until August 20, 2012 to make an initial determination of completeness. Re-submittal of information by an applicant on an incomplete application will begin a new 60 day review process. Pursuant to Chapter 16, Section 6, during any 60 day review period where an application is determined complete, a draft permit for issuance or denial shall be prepared and a public notice provided pursuant to Chapter 16, Section 13.

Please submit information to address all items in the attached permit review by July 26, 2012.

Please feel free to contact me at (307) 777-6682, or (preferably) via e-mail at kathy.shreve@wyo.gov should you have any questions related to these comments or the application and review process.

Sincerely,

Kathy Shreve
Wyoming Department of Environmental Quality
Water Quality Division

KS/rm/12-0574

Attachments: WDEQ Comments

cc: WDEQ UIC file



UNDERGROUND INJECTION CONTROL PROGRAM
REVIEW COMMENTS:
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002
307-777-7781

PROJECT: Application 12-261
Lake View Mobile Home Park

LOCATION: Campbell County

APPLICANT: Rocky Mountain Rentals, Inc.
4150 Collins Road East
Gillette, WY 82718

OWNER: Lonnie S. Crowley

CONSULTANTS:

GEOLOGIST none listed

ENGINEER none listed

TITLE: "Lake View Mobile Home Park"

PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: none

DATE RECEIVED BY WDEQ: June 20, 2012

WDEQ REVIEWER: Kathy Shreve

DATE OF THIS REVIEW: June 26, 2012

ACTION: Application Incomplete; See Attached Comments

I. WDEQ Comments:

Specific Comments - Additional Information Required (Kathy Shreve -- 307-777-6682)

1. Based upon the documentation on file in our office for this facility, it appears that the monitoring well(s) for this facility either was never installed, or installed and not maintained and monitored. If the Lake View Mobile Home Park is unable to locate the monitoring well required in their previous UIC permit, or is able to determine that it was never installed, a requirement of the renewal will be that a monitoring well be installed within 50 feet of the current leachfield(s), down-gradient from the leachfields. If the original monitoring well cannot be located, Rocky Mountain Rentals LLC will be required to submit a monitoring well location to the UIC Program for approval prior to issuance of their permit renewal. Please note that the draft permit may be advertised in public notice prior to selection of the monitoring well location, however, the UIC Program will not approve the final permit prior to selection of an approved monitoring well location.
2. Based upon the documentation on file with our office, there is some uncertainty as to the number of mobile home spaces and other buildings that might be utilizing the leachfield(s) at this facility for disposal of domestic waste. Please clarify how many mobile homes and other buildings are hooked in to these leachfields. If buildings besides mobile homes are hooked in to this system, please describe what type of buildings are hooked into this system, and what type of wastes they are contributing to the system.
3. Has the system been altered in any way since Rocky Mountain Rentals LLC assumed ownership? For example, have any mobile home spaces been added or removed? Have any leachfields or septic tanks been removed or replaced?
4. Based upon the documentation on file with our office, it appears that this facility has had issues with sewage daylighting on the surface from the leachfields and/or septic tanks. Has this been an issue since this facility was taken over by Rocky Mountain Rentals? If so, how was this issue addressed?
5. Please provide copies of the septage pumper's receipts for the last time the septic tanks were pumped. Did the pumper note any issues? If so, please describe. If the tanks have not been pumped since Rocky Mountain Rentals has assumed ownership, please perform a septic tank inspection, which should include measurements of septic tank sludge depths, and provide the WDEQ with a copy of the inspection results.
6. It appears that some old leachfields may have been improperly abandoned. Are there old septic tanks on this property that have not been properly abandoned? Such tanks can pose a safety hazard, and must be emptied of all liquids, have holes punched in the bottom so that liquids cannot accumulate in them in the future, and either crushed or filled with gravel. If this has not been accomplished for any abandoned septic tanks at this facility, please provide a plan for proper abandonment, including a timeline for accomplishing the abandonment.

END OF REVIEW

KS/rm/12-0547



Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 9, 2012

Brandon W. Snyder
1700 Kirkcolm Dr.
Rawlins, WY 82301

RE: Snyder Cabin - Seasonal Wastewater System
Application No. **12-262, Carbon County** Reference Permit # 12-165

Dear Mr. Snyder:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate a **Small Wastewater Facility** consisting of a 1050 gallon, two compartment, polyethylene septic tank discharging into about 80 feet of chamber type trench leachfield divided into two equal length trenches of at least 7 *Biodiffuser* brand, ARC 36HC model chamber units each, for a 2 bedroom home, located in the **NE¹/₄, Section 25, T17N, R88W, Carbon County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **August 9, 2014**.

The following project specific condition also applies:

Polyethylene Septic Tank Installation Requirements - to ensure structural integrity, the manufacturer's instructions regarding bedding the tank and filling the tank with water during burial must be followed during installation. Additionally, immediately after clean-outs, the tank must be refilled with water according to the manufacturer's instructions to maintain structural integrity.

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7662	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7766 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7761 FAX 777-5973
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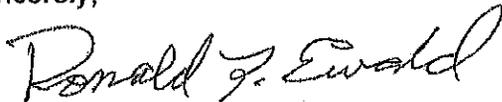
This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path:

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

Please reference Application No. **12-262** in any future correspondence.

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

Sincerely,



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

RLE/rm/12-0736

Enclosures: Certificate of Completion

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



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 25, 2012

Catherine Trowbridge, Project Manager
City of Laramie, Wyoming, Public Works Department
P.O. Box C.
Laramie, WY 82073

RE: SPT; Phase 2, Schedule 3, Water Line
DEQ Permit #12-263
Located in Albany County, SE1/4, S31, T16N, R73W, (Lat. 41° 18' 30"N, Long. 105° 37' 15"W)

Dear Ms. Trowbridge,

This project consists of the installation of approximately 1600 feet of 8 inch water main, as an upgrade to the existing water distribution system.

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 31, 2014

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 Seth Tourney 307-777-7088

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

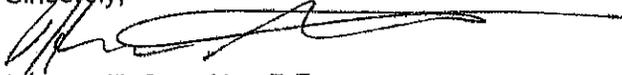
LAND QUALITY
(307) 332-3047
FAX 332-7726

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

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

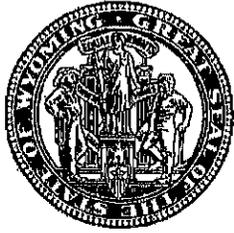


Sincerely,



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

xc: PDF to Cheyenne
George Walton PE, SEH Inc., 216 E. Grand Ave., Suite A., Laramie, WY 82070



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 3, 2012

Pat Shallady, Owner
Wyoming Home and Ranch
4584 Powell Hwy.
Cody, WY 82414

RE: Wyoming Home and Ranch treated water four inch service
DEQ Permit #12-264
Located in Lot 1, G.W. Minor Subdivision within the City of Cody

Dear Mr. Shallady,

This project consists of the installation of approximately 163 feet of 4 inch treated water Main for domestic water and fire protection.

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 31, 2014

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.

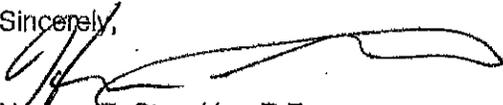
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http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

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

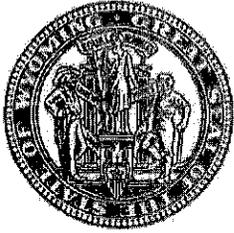


Sincerely,



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

xc: PDF to Cheyenne.
David R. Schultz PE, Sage Civil Engineering, 2824 Big Horn Ave., Cody, WY 82414



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 10, 2012

Bradford Scott Mead, Owner
Wyoming Whiskey
185 E. Hansen
Jackson, WY 83001

RE: Wyoming Whiskey Distillery Replacement Septic System
DEQ Permit #12-265
Located in Hot Springs County, SE ¼, S6, T44N, R94W (Lat. 43.806°, Long. 108.1773°)

Dear Mr. Mead,

This project consists of the installation of approximately 40 linear feet of new 4 inch PVC sewer line, an additional 1000 gallon septic tank, and three rows of nine standard units infiltrators in a 580 ft.² drainfield bed.

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 October 31, 2014

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.

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

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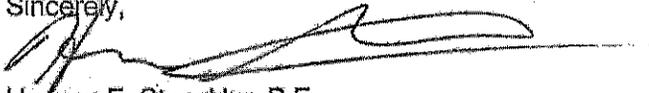
LAND QUALITY
(307) 332-3047
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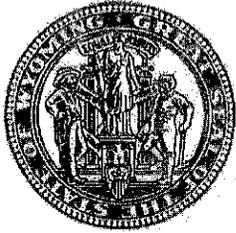


Sincerely,



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

xc: PDF to Cheyenne
Robert J. Overfield PE, Engineering Associates, P.O. Box 1900, Cody, WY 82414



Department of Environmental Quality



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

Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 11, 2012

Bradford Scott Mead, Owner
Wyoming Whiskey
185 E. Hansen
Jackson, WY 83001

RE: Wyoming Whiskey Bottling Plant Septic System
DEQ Permit #12-266
Located in Hot Springs County, SE ¼, S6, T44N, R94W; (Lat. 43.8052°, Long. 108.1766°)

Dear Mr. Mead,

This project consists of the installation of approximately 75 feet of 4 inch PVC sewer line, a 1,000 gallon septic tank, and 22 rows of seven standard infiltrators in a 315 ft.² leachfield bed.

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 October 31, 2014

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.

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) 332-6771
FAX 332-7726

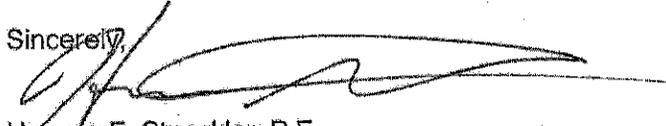
LAND QUALITY
(307) 332-3047
FAX 332-7726

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

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



Sincerely,



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

xc: PDF to Cheyenne
Robert J. Overfield PE, Engineering Associates, P.O. Box 1900, Cody, WY 82414

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

CLASS V INJECTION WELL

- New
 Modified
 Renewal

Permit Number: **12-267**
Facility Number: WYS-039-042
State Subclass: 5E4
Previous Permit Number: 03-279; 93-168;
84-190

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 16.

Applicant: Teton Village Water and Sewer District
Mr. Les Gibson, Chairman
P.O. Box 586
Teton Village, WY 83025
(307) 733-5457 (office), (307) 733-9231 (plant)

Teton Village Water and Sewer District, hereafter referred to as the permittee, is authorized to operate the waste water treatment facility and three (3) injection wells (**RC-1**, **RC-2**, and **RC-3**) located in Teton County. The permittee is allowed to operate the facility according to the procedures and conditions of application **12-267** and requirements and other conditions of this permit.

This permit shall become effective on the date of issuance and is valid for ten (10) years.

John Wagner, Administrator
Water Quality Division
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

Date

Todd Parfitt, Director
Department of Environmental Quality
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

Date

CMc/rm/12-1125

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A. Discharge Zone

The permittee is authorized to inject an average of 492,000 gallons per day (gpd) and a maximum of 820,000 gpd of tertiary treated domestic wastewater from the Teton Village Waste Water Treatment Plant into three (3) existing injection wells. The wastewater is injected into the Snake River Alluvium. The shallowest groundwater is approximately eight (8) feet below ground surface based on SEO well records for monitor wells OH-13 and OH-15.

B. Well Locations and Areas of Review

The injection wells authorized by this permit are identified in **Table 1**:

Table 1 (Well Location(s))

Well Name	Legal Description	Latitude*	Longitude*
RC-1	SE¼SE¼ Section 24, T42N, R117W	43.5821	-110.8314
RC-2	SE¼SE¼ Section 24, T42N, R117W	43.5819	-110.8314
RC-3	SE¼SE¼ Section 24, T42N, R117W	43.5821	-110.8317

*NAD83 (decimal degrees)

The Area of Review is defined as a circular area of 829 acres with the points of injection located near its center.

The Area of Review is based upon the following assumptions:

Table 2 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10 (plus 27 years historical)	Years
Porosity	30	Percent
Maximum Injection Rate	820,000	GPD
Thickness of Receiver	40	Feet
Area of Review	1,295	Square Miles

C. Groundwater Classification

The groundwater in the Snake River Alluvium is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because:

- The groundwater in this formation meets all water quality standards set forth in Chapter 8 for Class I water.
- The groundwater in this formation is currently being used for public supply and domestic purposes at nearby points of withdrawal.

Groundwater of Class I shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

The injectate (effluent) quality and volume shall not exceed limits listed in **Table 3** of this permit. The ground water in the monitor wells shall not exceed any limit listed in **Table 3** of this permit, nor

any standard for Class I ground water listed in Chapter 8, Water Quality Rules and Regulations, whichever is more stringent.

The operator is authorized to inject at a pressure of no more than atmospheric pressure as measured at the wellhead.

In the case where the treatment system needs to be enlarged to accept a greater sewage flow or if the permittee plans on accepting additional sewage flows that would increase their discharge volume beyond the maximum permitted rate, the permittee must submit a revised application and receive a new permit prior to modification of the treatment system or prior to discharging beyond the maximum permitted rate.

E. Hazardous Waste

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

F. Proper Operation and Maintenance

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes: effective performance, adequate funding, operator staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit. The injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapters 11, 16 and 25.

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

G. Entry and Inspection

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

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. A groundwater sample is considered representative of the aquifer being monitored when the well has been purged to remove stagnant water prior to collection of a sample for laboratory analysis. Purging can be considered complete when a sufficient volume of water has been removed from the well and stabilization of select groundwater parameters has been achieved. It is important to record the circumstances surrounding each sample collection event at your facility. These records can help resolve analytical discrepancies. Both purging methods below shall be used prior to sample collection:

a. Purge by Volume

Removal of a *minimum* of three (3) casing volumes of water from the well should be completed prior to collecting a groundwater sample. Minimum purge volume can be calculated by the following equation:

$$\text{Minimum Purge Volume} = 3 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163	6 inch well = 1.47
4 inch well = 0.653	8 inch well = 2.61

b. Stabilization of Parameters

Field parameters measured during purging should include at a minimum temperature, pH, and specific conductance. Field parameters should be measured after removal of every half casing volume of water.

$$\text{Half Casing Volume} = 0.5 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163	6 inch well = 1.47
4 inch well = 0.653	8 inch well = 2.61

A minimum of six (6) parameter measurements should be collected. If field parameters have not stabilized between the last three (3) readings, purging and parameter measurement should continue until stabilization has been achieved. Stabilization can be demonstrated by a variance of no more than +/- 10% for temperature and specific conductance, and +/- 0.2 standard units for pH.

2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.

4. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The name(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The time(s) analyses were initiated;
 - e. The name(s) of the individual(s) who performed the analyses;
 - f. References and written procedures for the analytical techniques or methods used;
 - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
6. The permittee shall retain all records concerning the nature and composition of injected fluids (final effluent), even if the records/data are in excess of the minimum sampling and analysis requirements of this permit. Records shall be kept until five (5) years after completion of any specified plugging and abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
7. The permittee shall report any noncompliance which may endanger health or the environment within twenty-four (24) hours from the time the operator becomes aware of the circumstances, to 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;

A written submission shall be provided within five (5) days of the time the operator becomes aware of the circumstances. This written submission shall contain:

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

I. Requirements for Monitoring Groundwaters of the State

The injected fluid and groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in **Table 3**, below.

Table 3 (Groundwater Monitoring Schedule)*

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	EPA METHOD	APPROVED ALTERNATE METHOD	PERMIT LIMIT/UCL*	HOLD TIME & TEMPERATURE
Treatment Plant Effluent (Injectate)	Weekly Sampling; Quarterly Reporting	#Ammonia as N	350.1	HACH TNT830	0.50 mg/L	28 days / 4° C
		#Nitrate as N	300.0; 353.1; 353.2; or 353.3	HACH TNT835/10206	10 mg/L	28 days / 4° C
		E.coli**	Membrane Filter/1103.1	SM 9223	Absent	6 hours / 4° C
		pH	pH Meter; 150.1 or 150.2		>6.5 and <8.5	measure during sample collection.
		Total Volume Injected	Flow meter		820,000 gpd	N/A
Monitoring Wells; OH-13 OH-15 OH-18 OH-20 OH-24 OH-25 OH-26	Quarterly Sampling and Reporting (Jan. 1-Mar 30; Apr. 1-Jun. 30; Jul. 1-Sep. 30; Oct. 1-Dec. 31)	#Ammonia as N	350.1	HACH TNT830	0.50 mg/L	28 days / 4° C
		#Nitrate as N	300.0; 353.1; 353.2; or 353.3	HACH TNT835/10206	10 mg/L	28 days / 4° C
		E.coli**	Membrane Filter/1103.1	SM 9223	Absent	24 hours / 4° C
		pH	pH Meter; 150.1 or 150.2		>6.5 and <8.5	measure during sample collection.

NOTES: *All applicable chemical concentrations in this permit are expressed as total (not dissolved) in mg/L unless otherwise noted.

**A routine sample that is positive for fecal coliforms or E. coli triggers repeat samples – a violation only occurs if any repeat sample is positive for total coliform.

These constituents must be sampled concurrently.

The above Upper Control Limit (UCL) for the treatment plant's effluent shall apply to the rolling average of three (3) consecutive reportable values on the above weekly schedule. Exceedance of the UCL in any average of three (3) consecutive reportable values is a violation of this permit. Any violation under this section shall require that all perimeter monitor wells be monitored monthly for three (3) months for whichever parameter(s) caused the violation. In the case that either ammonia or nitrate are the parameters that caused the violation, both of these constituents will be analyzed monthly for three (3) months, resulting in paired values.

The permittee is not required to take more than one (1) effluent sample per week. In addition, the permittee is not limited to only analyzing a certain number of samples per day or per sampling period.

If multiple effluent samples are analyzed during a given sampling period (i.e. one (1) week), the results for the first three (3) samples and the highest sample result for the week shall be averaged together to serve as the reportable value for that week. If the highest sample result for a given week is one of the first three (3) sample results, then only the results of the first three (3) samples shall be averaged (three (3) values). The highest sample result for a week for any parameter shall always be included in the average for a given week (Table 4). The reportable value for nitrate in the Week #1 example in Table 4 is 7.625 mg/L, which is the average of the first three (3) samples analyzed as well as the highest value for the week. In the Week #2 example the highest value fell within the first three (3) samples analyzed so only the first three values need to be averaged. When only two (2) samples are analyzed in a sampling period average those two to get the reportable value.

Table 4 (Example Calculation for Determining Reportable Value when Multiple Samples are Analyzed in a Week)

Week #	Sample #	Parameter	Result	Weekly Reportable Value
1	1	Nitrate	8 mg/L	$(8 + 2.5 + 3 + 17)/4 = 7.625$
	2		2.5 mg/L	
	3		3 mg/L	
	4		1.5 mg/L	
	5		10 mg/L	
	6		17 mg/L	
2	1	Ammonia	1.3 mg/L	$(1.3 + 0.6 + 0.1)/3 = 0.67$
	2		0.6 mg/L	
	3		0.1 mg/L	
	4		0.4 mg/L	

Anytime an average value is used as the reported value for a given sampling period, a note shall accompany the report explaining how many samples were analyzed during that sampling period (one (1) week) and the fact that the reported value is an average.

A rolling average is defined as taking any three (3) consecutive weekly reportable values throughout a quarter and averaging them together. For example, the rolling average could consist of the sample results from the 3rd and 4th weeks in October and the 1st week of November or the 2nd through the 4th weeks of November. The rolling average must be calculated each week with that week's lab result combined with the previous two (2) weeks' worth of lab results. The rolling average result is what is compared against the UCL in this permit (Table 3) to determine if a violation has occurred.

Lab bench sheets for mid-stream sampling and analysis shall be kept separate from lab bench sheets for the effluent sampling and analysis. Each bench sheet shall be labeled as to whether it was for mid-stream data or for effluent data.

J. Test Procedures

All samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. All required analyses shall be conducted in compliance with Wyoming Water Quality Rules and Regulations, Chapter 8, Section 7.

Ammonia as N and Nitrate as N shall always be sample concurrently, resulting in paired values for every sampling event.

K. Records and Reports

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain:

- a description of the noncompliance;
- the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and
- a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance.

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

L. Permit Actions

This permit is authorized for a period of ten (10) years. If the permittee wishes to continue injection after the expiration date of this permit he shall apply to the Administrator and obtain a new permit. The application should be submitted at least six (6) months before the expiration date of this permit. Under this permit, the Department may consider injection after the expiration date a violation of the permit.

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

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

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

This permit will be reviewed at least once every five (5) years, and may be reviewed more frequently. A permit may be modified at any time as may be required, including for conformity with

changes in regulations or standards which occur after the permit was issued. A permit may be modified in whole or part in order to apply more or less stringent standards; or prohibitions for toxic or other substances present in the permittees discharge as may be ordered by the Environmental Quality Council.

M. Abandonment

General Requirements:

1. The permittee shall notify the administrator at least thirty (30) days prior to abandonment of the facility.
2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this permit, or describing any deviations from the original plan, shall be submitted as soon as practicable after abandonment. The abandonment shall include reclamation of the well site.
3. Injection wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 6, Section 12.

N. Duties of the Permittee

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

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

O. Special Permit Conditions

In addition to the conditions required of all permits, the Administrator may establish specific conditions to clarify the permit and prevent contamination of underground sources of drinking water. The following specific conditions are established for this permit.

- Permittee must notify the Administrator prior to any physical or procedural alterations that pertain to the quality or quantity of effluent that is being discharged or the manner in which it is discharged including:
 1. Alterations to the field sampling and lab analysis methods used;

2. Alterations to the injection wells identified in **Table 1**;
 3. Alterations to the monitoring wells identified in **Table 3**.
- Under no circumstances shall operators implement processes that will lead to a violation of the permit limits identified in **Table 3**.
 - The average injection rate is variable dependent upon seasonal operations and is provided for informational purposes only.

P. Signatories Requirement

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

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

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

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

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

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

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

1. The authorization is made in writing by one (1) 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.

Q. Noncompliance

The permittee shall comply with all conditions of the permit. Any permit noncompliance constitutes a violation of Wyoming Water Quality Rules and Regulations, Chapter 16 and is grounds for

enforcement action, permit termination, revocation, or modification. Conformed noncompliance resulting in an excursion shall be reported to the Administrator orally within twenty-four (24) hours, and a written submission shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written report shall contain the sections specified in Section K of this permit. Any permit noncompliance constitutes a violation of this permit.

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

R. Permit Transfer

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

S. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

T. Permit Transfer

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

Definitions:

weekly sample: the reportable value for a given week for a given parameter, which may be an average of up three (3) sample results if multiple samples were analyzed in a given week.

mid-stream data: data that is collected pertaining to the plant's waste stream before that waste has been fully treated (upstream from when the waste is considered injectate which is the fully treated waste). This is not effluent data.

effluent data: data that is collected pertaining to the fully treated waste (injectate) exiting the plant en-route to one of the injection wells. This waste is now considered injectate as it is the end product after having received the full line of treatments available at the wastewater facility.

sampling period: the length of time in which a sample must be collected based on **Table 3** of this permit; i.e. effluent sampling is required weekly so the sampling period for the effluent is one (1) week.

-End of Permit-

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

- A. UIC Permit Number: 12-267
- B. Facilities Covered: Teton Village Water and Sewer District
- C. Class of Facility: Class V (Wyoming Water Quality Rules and Regulations, Chapter 16)

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

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

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

- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

Yes

- B. Permit based on deviation from applicable regulations in accordance with approved policy statement.

No

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

Not Applicable

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

Applicable. A groundwater review has been conducted to ensure that no groundwater will be impacted by this system.

VI. Documentation of Statement of Basis.

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

VII. Applicant and Public Participation

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

- B. A Public Notice has been issued with a public notice period starting December 12, 2012 and ending on January 10th, 2013 (30 day notice as required by Wyoming Water Quality Rules and Regulations, Chapter 16). This notice was published in the Jackson Hole News on or before the start of the public comment period.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6. This review was performed by Carol McAdams, completed on November 8th, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis".

STATE OF WYOMING PUBLIC NOTICE

THE PURPOSE OF THIS NOTICE IS TO INDICATE THE STATE OF WYOMING'S INTENTION TO ISSUE AN UNDERGROUND INJECTION CONTROL PERMIT AND TO CLASSIFY THE RECEIVING GROUNDWATER OF THE STATE IN THE VICINITY OF THE PERMITTED INJECTION UNDER THE WYOMING ENVIRONMENTAL QUALITY ACT (35-11-101 ET. SEQ. WYOMING STATUTES 1957, CUMULATIVE SUPPLEMENT 1973), AND DEPARTMENT OF ENVIRONMENTAL QUALITY, WATER QUALITY RULES AND REGULATIONS CHAPTERS 8, 11 AND 16. THIS PERMIT WILL ALLOW THE DISPOSAL OF AN AVERAGE OF 492,000 GALLONS PER DAY AND A MAXIMUM OF 820,000 GALLONS PER DAY OF WASTEWATER INTO THREE (3) EXISTING INJECTION WELLS.

PERMIT NUMBER: **12-267**; PERMITTEE NAME: Mr. Les Gibson, PO Box 586, Teton Village, WY 83025; PHONE: (307) 733-5457; FACILITY NAME AND LOCATION: Teton Village Water and Sewer District, located in the SW¼ of Section 24, Township 42 North, Range 117 West, of the 6th Principal Meridian, Teton County, Wyoming.

This permit proposes to authorize the continued injection of an average of 492,000 gallons per day (gpd) and a maximum of 820,000 gpd tertiary treated domestic wastewater into three (3) existing injection wells. The wastewater is injected into the Snake River Alluvium. The shallowest groundwater is approximately eight (8) feet below ground surface.

The groundwater in the alluvial aquifer is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater meets all water quality standards set forth in Chapter 8 for Class I water and groundwater in the immediate vicinity is being used for domestic purposes at multiple points of withdrawal.

The proposed permit requires that the permittee monitor the injection and submit periodic reports. Monitoring is designed to show that there will not be a groundwater standards violation as a result of this injection. Underground Injection Control regulations require that each permitted injection well be reviewed thoroughly at least every five (5) years in addition to the normal annual review.

Other tentative determinations have been made by the State of Wyoming relative to conditions to be imposed on the permit. These conditions will assure that useable water of the State will be protected and applicable provisions of State statutes and regulations will be followed.

PUBLIC COMMENTS on the proposed permit and the proposed groundwater classification should be submitted in writing and addressed to: John Passehl, Wyoming Department of Environmental Quality, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; or by FAX to (307) 777-7610. Comments submitted by email *will not* be considered. All written comments received prior to 5:00 P.M, January 10th, 2013, in the Cheyenne office will be considered.

Any person may request in writing (prior to the end of the public comment period) that a public hearing be held. Requests should indicate the name and full mailing address of the individual

requesting a hearing, the interest that individual has in the project, and the grounds for holding a public hearing.

If a hearing is not warranted, the final permit will be issued at the end of the public comment period.

Public Notice 12-267

Publish on or before , December 12th, 2012 (Jackson Hole News)



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

December 6, 2012

CERTIFIED

Teton Village Water and Sewer District
Attn: Mr. Les Gibson
P.O. Box 586
Teton Village, WY 83025

RE: Teton Village Water and Sewer District, Class V Permit Renewal
Draft Permit 12-267, Facility Number: WYS-039-042
Teton County, Wyoming

Dear Mr. Gibson:

The Teton Village Water and Sewer District has submitted a renewal application for the continued injection of tertiary treated wastewater via three (3) injection wells. Wastewater is injected into the alluvial aquifer located in Section 24, T42N, R117W, Teton County, Wyoming. The Wyoming Department of Environmental Quality (WDEQ) intends to issue a renewal for the underground injection control permit for the facility.

The draft permit, public notice, and deadline for comments have been posted at <http://deq.state.wy.us/wqd/events/index.asp> for you and the public to review. Additional application material provided by the applicant is available on DEQ's GEM website at <http://gem.wqd.apps.deq.wyoming.gov>.

If you have any questions, feel free to contact me at (307) 777-2960 or at carol.mcadams@wyo.gov. Comments should be submitted in writing to the UIC Program in the Water Quality Division within thirty (30) days from the date of this letter.

Sincerely,

Carol McAdams, Geologist
Wyoming Department of Environmental Quality
Water Quality Division

CMc/rm/12-1125

Enclosure: Draft Permit



PERMIT TO CONSTRUCT
(AS-BUILT)

New
 Renewal
 Modified

PERMIT NO. 12-269
SPECIAL CONDITIONS

DCP Midstream Millis Terminal Evanston Facility Remediation
Soil Excavation & Air Sparge System Installation

This permit hereby authorizes the applicant:

DCP Midstream L.P.
370 17th Street, Suite 2300
Denver, CO 80202

to construct, excavate soils, install or modify an air sparge system & decommission (P & A) certain existing monitoring wells according to the procedures and conditions of the application number 12-269. The facility is located in SE $\frac{1}{4}$ SW $\frac{1}{4}$, Section 35, T.15N., R.120W. (6th P.M.) in the county of Uinta, in the State of Wyoming. All construction, installation or modification allowed by this permit shall be completed by August 31, 2017.

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

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

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

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

The permittee shall notify representatives from the DEQ, Water Quality Division when the construction commences and give an estimate of completion for the project. The authorized representative in your area can be contacted at the following address: WDEQ, Water Quality Division, 510 Meadowview Drive, Lander, Wyoming 82520; telephone (307) 332-3144; FAX (307) 332-7726.

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

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

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

1. All monitoring well installations and all monitoring wells subject to decommissioning authorized under this permit shall comply with the requirements of Chapter 26 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements. No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division.
2. WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of the bailers and sample collection so that they may be on site if deemed necessary.
3. The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
4. The results of any other analyses conducted on soil or water removed from all wells/piezometers, boreholes and excavations shall be provided to the department as soon as they are available.
5. ***Environmental Monitoring Program for Groundwater of the State:***
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.
 - b. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
 - c. Records of monitoring information shall include:
 - i. The date, exact place, and time of sampling or measurements;
 - ii. The name(s) of individual(s) who performed the sampling or measurements;
 - iii. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.
 - iv. Sampling procedures and sample preservation accomplished;
 - v. The date(s) analyses were performed;
 - vi. Names of individuals who performed the analyses;
 - vii. The analytical techniques or methods used; and
 - viii. The results of such analyses.
 - ix. Groundwater samples from the monitoring wells shall be analyzed as indicated on the following table. This table supplements previous permit requirements.

WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED	PERMIT LIMIT
All Existing MW's	Annual	EPA 8260B (long list) along with various methods currently in place.	BTEX, VOC's	
Proposed Soil Excavation	During excavation	8260B	BTEX, TPH-GRO	

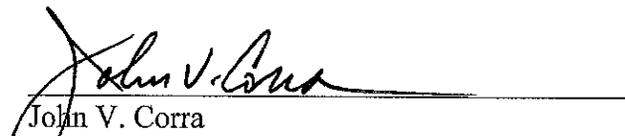
* Permit Limits (i.e. Groundwater Protection Standards & VRP Soil Clean-Up Standards) are required for compliance monitoring wells and confirmation sampling. All chemical concentrations in this permit are expressed in mg/l unless otherwise noted.

6. Within ninety (90) days of completion of the recovery system installation, DCP Midstream L.P. shall submit a completion report. The completion report shall include the operation and maintenance plan and "as built" diagrams of the air sparge system, P & A reports for the decommissioned MW's and results of the soil excavation. Thereafter, an annual report, as is currently being submitted, will be required that provides a summary of the sampling data, a description of any equipment problems or downtime, and any other pertinent data.

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

AUTHORIZED BY:


 John F. Wagner
 Administrator
 Water Quality Division


 John V. Corra
 Director
 Department of Environmental Quality

8-9-12

 Date of Issuance

JOC/rm/12-0730

cc: IPS,
 Lander

GROUNDWATER POLLUTION CONTROL PROGRAM

REVIEW COMMENTS:

PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

SITE NAME: Enron Millis Terminal (REM 035) Facility

SITE STATUS: Site Remediation

APPLICANT:

Mr. Steve Weathers, P.G.
Principal Environmental Specialist
DCP Midstream L.P.
370 17th Street, Suite 2300
Denver, CO 80202

ENGINEER/CONSULTANT:

Mr. James B. Dawe, P.G.
Geologist
Tasman Geosciences, LLC
5690 Webster Street
Arvada, CO 80002

WATER QUALITY DIVISION REFERENCE PERMIT NUMBER: P-to-C #'s: 96-473, 99-451,
UIC #WYS-041-048 and the current proposal P-to-C # 12-269

EXISTING NEW AS-BUILT

TITLE: Millis Terminal Remediation

PLANS SPEC'S PROPOSAL REPORT

[Check all that apply]

DATE ON PROPOSAL/PLANS/REPORT: July 3, 2012

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES (WQ Permit 12-269)

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

REVIEWING OFFICIAL(S): _____

James P. O'Connor, P.G.

DATE OF THIS REVIEW: July 25, 2012

ACTION: Excavation of contaminated source area soil in the vicinity of the truck loading dock, and, installation of three horizontal air sparge (AS) wells. The construction can be implemented as outlined in the work plan and attachment, dated July 26, 2012, with the caveats summarized in §3.0 below.

COMMENTS: GROUNDWATER SECTION

1.0 SUMMARY OF EXISTING CONTAMINATION

1.1. Site Description & History

1.1.1. Site Description. The legal description of the site is as follows: SE¼SW¼ §35, T. 15 N., R. 120 W. (6th P.M.). There is no record of the physical address for the facility. However, the site is located at latitude 41.230264 N and longitude -110.920397 W in the Bear River Valley of Uinta County. The facility is bordered by a Union Pacific rail line to the east and State Highway 150 to the west. Above ground storage tanks with associated rail and truck petroleum product loading facilities were the main operations when in use. The site is presently inactive and owned by DCP Midstream, L.P.

1.1.2. Site History. In July, 1988, an estimated 8,000 gallons of gasoline were released into the storage tank containment area of the Enron Gas Processing Company Millis Terminal. Approximately, 1,300 gallons of that total were recovered by means of a vacuum truck. An unknown amount of product evaporated through steam injection during the initial clean-up. As documented in correspondence dated August, 1988, the spill was reported to WYDEQ. This correspondence outlined the reporting requirements for specific analyses. At the request of WYDEQ, two water samples were collected in a two-week interval. The samples were obtained from two foundation de-watering wells with depths of 20' each and a perimeter ditch, for a total of six samples. The samples were analyzed for BTEX and TPH. The results were all below detection levels. Based on those results, WYDEQ issued a letter in December 1988 stating that the data did not indicate that the sampled features were contaminated and that a formal sampling program was not required.

1.1.3. Summary of the Initial Soil & Groundwater Contamination. In 1994, as a part of an environmental assessment associated with the property transfer to an affiliate, Enron Transportation Services, L.P. (ETSLP), Enron Gas Processing Company collected groundwater (GW) and soil sampling data. The samples were collected from ten hydraulic probe borings. Ten GW samples obtained from a depth of 7' and two soil samples obtained from 4-6' below grade were analyzed for BTEX and TPH. Benzene concentrations exceeded the clean-up standard of 5 micrograms/liter (μL) in 7 of the 10 samples. TEX and TPH results were below clean-up standards. The soil analyses for BTEX and TPH resulted in levels up to 23 $\mu\text{g/L}$, BDL, 46 $\mu\text{g/L}$ and 0.34 mg/L, respectively.

1.1.4. Hydrogeology. The geology at the site is characterized as fill material, composed of a dark organic material, extending from ground surface to 3' below ground surface (bgs). Clay is present from 3' to 7' bgs with a mixture of clay with fine to medium grained sand in place below 7'. Several borings presented evidence that sand and gravel underlie the entire site. Groundwater is encountered at less than 5' below ground surface in the vicinity of the truck loading dock but decreases to less than 2' bgs in close proximity to the irrigation ditch. The water table fluctuates between 1' to 3' feet seasonally. The GW flow direction at the site is to the north-northeast with a gradient of 0.017 ft/ft and velocity ranges from 0.14 to 14 feet/year.

1.2. Summary of Existing Contamination

The concentration of dissolved phase petroleum hydrocarbons in GW ranges from 5 to 100 μL and is distributed from the truck loading dock release area in the vicinity of MT-4 northeast to

the irrigation ditch (TP-2A). Currently, no measureable free product thickness is observed at the site in either the monitoring wells (MW's) or surface water.

2.0 Summary of the Work Completed to Date:

2.1. 1996 Subsurface Investigation

2.1.1. Under ownership of Enron Liquids Pipeline Company, a field investigation was initiated on November 26, 1996. This first phase was designed to delineate the extent of petroleum contamination by employing geoprobe-type sampling techniques. The investigation was performed in accordance with WYDEQ Permit-to-Construct 96-473. The GW samples collected from 12 locations were analyzed for TPH-GRO and BTEX. Three of the locations had benzene detections and all three exhibited levels above the 5µg/L MCL. Toluene and total xylenes were detected as well but at levels under their respective clean-up levels. TPH-GRO was detected in two samples, each of which was below the drinking water standard. The data suggested that the benzene plume intersected the irrigation ditch along the east side of the facility. Surface water samples from the ditch and GW samples obtained from the opposite side of the ditch were non-detect for BTEX and TPH-GRO. An additional MW was suggested for an upgradient location to better delineate the plume. Quarterly sampling was instituted as a consequence of the results from the first phase.

2.2. 1997 Subsurface Investigation

2.2.1. The ownership apparently changed from Enron Liquids Pipeline Company to Kinder-Morgan, L.P. "B" in 1997. During 1997, three additional MW's were installed under a modification of Permit-to-Construct 96-473- one upgradient and two downgradient of the spill location. The downgradient MW's were located along the eastern facility boundary. Benzene levels above the MCL were detected in the two downgradient MW's. However, the toluene, xylenes and TPH detections were all less than the MCL. No BTEX components were detected in the upgradient MW. As a result of the lack of detections in the MW's across from the irrigation ditch and surface water sample locations, the conclusion was reached that the plume had not migrated off-site.

2.3. 1998 Subsurface Investigation

2.3.1. Further plume delineation was conducted in the area associated with the truck loading dock. GW samples were collected from seven geoprobe locations. A single location, adjacent to the loading dock, exhibited BTEX components all above their respective MCL's. In addition to these samples, the previously installed MW's revealed decreasing benzene levels. From this information, it was concluded that the decreasing levels were indicative of natural attenuation and that the plume had not migrated off-site.

2.4. 1999-2000 Site Work

2.4.1. Sampling results revealed a slight decreasing trend indicative of natural attenuation. Additionally, the data suggested that the plume had originated from the truck loading area. As a result, an additional MW (MT-2) was installed to better facilitate monitoring in the area adjacent to the truck loading area. Sampling was adjusted to a semi-annual event in 2000.

2.5. 2001 Annual Report

2.5.1. An additional MW (MT-5) was installed downgradient of the train loading area. Initial benzene levels were elevated above the MCL. Oxygen release compound (ORC) injection as a Class 5AB system was implemented in August, 2001, under authorization of WYS-

041-048. A slurry mixture of an estimated 360 pounds of ORC was injected into eight geoprobe borings within 50' of the truck loading area. The initial results indicated that the ORC treatment was only marginally effective. Additional site investigation work was recommended for the area surrounding MW MT-5 for the purpose of delineating the plume and identifying the source of the contamination.

2.6. 2002 Annual Report

2.6.1. MW MT-5 continued to exhibit elevated benzene levels considerably above the MCL. The additional geoprobe investigation consisted of four temporary and four permanent piezometers. The initial results indicated that the source of the contamination appeared to be originating from the truck and rail car facility instead of the above ground storage tanks. The initial spill that was reported originated from the above ground storage tanks. Interpretation of the monitoring results- i.e. specifically sulfates- indicated that some biodegradation was occurring.

2.7. 2003 Annual Report

2.7.1. While monitoring activities indicated a slow migration to the north, the plume continued to remain onsite and that the BTEX or TPH constituents had not been detected in the irrigation ditch. Additionally, there was no discernible shift in the natural attenuation trends as a result of the ORC injection. Also, no clear conclusions could be drawn from the analysis of the other natural attenuation parameters.

2.8. 2004 Annual Report

2.8.1. In June, 2004, a temporary piezometer (Temp PZ) was installed west of the irrigation ditch. The analysis of the GW collected from this well did not indicate the presence of petroleum hydrocarbon contamination. Also, the Oxidation-Reduction Potential (ORP) measured indicated that conditions appeared conducive to microbial degradation. As with previous results, no BTEX or TPH components were detected in the irrigation ditch and the contaminate plume appeared to be confined onsite. A temporary dam on the irrigation ditch affected the GW elevations in certain MW's by slightly raising the water table.

2.9. 2005 & 2006 Annual Reports

2.9.1. Due to a change in ownership for a brief period from Kinder-Morgan to Momentum Pipeline in 2006, both annual reports were combined as the 2005 report but not submitted until January, 2007. The trend analysis included indicated that the source continued to be the truck loading dock area and the extended approximately 125' downgradient. Benzene was the only BTEX component regularly detected in two MW's, MT-4 and MT-5. Along with the lowest concentrations reported to date, field parameters suggested that GW conditions were conducive to microbial activity. The ORP measurements implied that a reducing environment existed and that terminal electron acceptors were present. Once again, there were no BTEX or TPH constituents detected in the surface water obtained from the irrigation ditch.

2.10. 2007 & 2008 Annual Reports

2.10.1. While site ownership changed from Momentum Pipeline to DCP Midstream occurred in 2007, the project consultant had remained stable for several years. Consequently, data collection and analysis was comparable to previous reports. The data suggested that the contaminant plume had been well defined, confined onsite and the source was confirmed as the truck loading dock area. Furthermore, since the natural attenuation parameters and trend

analysis implied some contraction of the plume, sampling of MW's and surface water locations was reduced.

2.11.2009 Annual Report

2.11.1. The data revealed a continuation of the same trend: non-detect in the surface water locations, decreasing BTEX constituents in the MW's in the plume area and natural attenuation parameters indicative of microbial metabolism. The results of a trend analysis were included. Using Bioscreen simulations, a period of time ranging between 5 to 12 years was estimated for concentrations to decline below the 5µg/L standard for benzene. A limited site investigation in the vicinity of the truck loading dock was recommended to determine whether soil contamination could be contributing to the dissolved phase plume.

2.11.2. The source area soil investigation, conducted in October, 2009, involved a series of eight test pits in the vicinity of the truck loading dock area and in the downgradient plume area. The investigation revealed a zone of benzene-impacted soil above the Wyoming screening levels of 1.1 mg/kg of 60' by 80' (2,400 ft²) with a depth of approximately 4'. Excavation of the contaminated soil was recommended by the consultant as the preferred remediation option. This recommendation forms the basis for the proposed work plan.

2.12.2010 & 2011 Annual Reports

2.12.1. The results of the monitoring activities for 2010 and 2011 were submitted in close succession and both indicated a continuation of the recent trends with respect to benzene levels and field parameters.

2.13.Recommendations proffered by DCP Midstream

2.13.1. Proposed recommendations for drilling and monitoring well installation

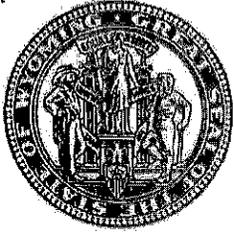
1. Soil Excavation- Based on historic boring logs, test pits and soil sampling data, residual impacted soil in the truck loading dock area is present between 4' to 6' bgs. Soil investigations indicate that the concentration of benzene in the soil ranges between 1.1 to 13.3mg/kg with an average concentration of 4.68 mg/kg. Contaminant mass can be effectively reduced by excavation of the source area soils. Contaminated materials- i.e. those samples with a headspace vapor concentration PID readings exceeding 50 ppm- will be transported to a licensed disposal facility. Soils with a headspace vapor concentration less than 50 ppm will be segregated onsite and will be returned to the excavated area. Confirmation samples shall be collected for every 100 yds³ of backfilled material to ensure that the material complies with regulatory standards as outlined in VRP Fact Sheet #12 for soil clean-up standards.
2. Air Sparge (AS)- Subsequent to the soil removal, an air sparging system will be installed for the purpose of volatilizing remaining volatile BTEX components. Specifically, three horizontal AS wells will be installed in a parallel arrangement approximately 30' apart along a south to north alignment for approximately 180'. This alignment is intended to transect both flanks and the center of the plume. The horizontal boreholes will be installed at a maximum of 10' bgs- corresponding to approximately 2-3' below the lowest recorded GW depth at each point along the well alignment. This configuration should ensure that the AS piping will be submerged during the GW cycle.
3. The recommendations included the details of the soil excavation and AS installation.

3.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS

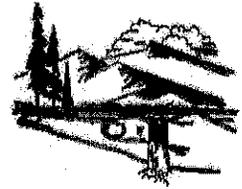
- 3.1. The current application for Permit-to-Construct 12-269 provided a summary of the proposed work at the Millis Terminal facility.
- 3.2. Prior to the destruction of MW MT-4 resulting from the excavation of the contaminated soil in the vicinity of the truck loading dock, MW MT-4 shall be properly decommissioned as per WQ Chapter 26 Rules and Regulations. Details of the plugging and abandonment (P & A) and shall be submitted with the follow-up report.
- 3.3. All excavated materials with a PID headspace vapor concentration of greater than 50 ppm shall be segregated as contaminated and disposed of at a disposal facility licensed to accept Petroleum Contaminated Soil (PCS). A record of all materials disposed of at the facility shall be made and a copy will be included in the follow-up report. The chain-of-custody and waste manifest shall be kept on file for the five year period of the permit-to-construct.
- 3.4. PID readings for the excavated materials segregated as clean soil shall have a PID reading of less than 50 ppm shall be required prior to placing as fill in the final excavation. Confirmation samples shall be collected for every 100 yds³ of backfilled material to ensure that the material complies with regulatory standards as outlined in VRP Fact Sheet #12 for soil clean-up standards. Documentation shall be submitted to Water Quality Division (WQD)
- 3.5. A permit to operate the AS system shall be required from Air Quality Division (AQD).
- 3.6. Final Report: The final report should include-
 - 3.6.1. 'As-built' construction details for the AS system & excavation area.
 - 3.6.2. GW level contour map.
 - 3.6.3. Contaminant contour map for BETX, TPH and any other parameters.
 - 3.6.4. Description of the vertical and lateral extent of the contamination.
 - 3.6.5. Interpretation of the data, conclusions and recommendations.
 - 3.6.6. Description of the sampling procedures and results of all soil & water analyses, including copies of the laboratory reports.
- 3.7. Plan for disposal of contaminated water generated during the excavation.

JOC/rm/12-0730

END OF REVIEW



Department of Environmental Quality



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

Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 10, 2012

Sue Bybee, District Administrator
Teton Village Association Improvement and Service District
P.O. Box 866
Teton Village, WY 83025

RE: Apres Vous Road Water and Sewer Extension
DEQ Permit #12-270
Located in Teton County, NE1/4, SE1/4, S24, T42N, R117W. (Lat. 43.576°, Long. 110.8242°)

Dear Ms. Bybee,

This project consists of the installation of 975 linear feet of 8 inch diameter ductile iron pipe waterline and 8 inch diameter PVC SDR35 sewer pipe in Apres Vous Road.

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 31, 2014**

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.

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

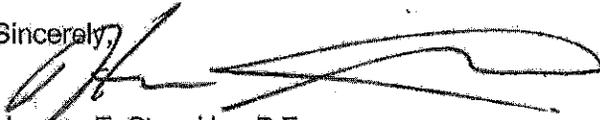
LAND QUALITY
(307) 332-3047
FAX 332-7726

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

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



Sincerely,



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

xc: PDF to Cheyenne
Robert R. Norton PE, 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

John Corra, Director

NOTIFICATION OF COVERAGE

September 21, 2012

Coll-Ind, LLC
Attn: Ben Trautwein, Member
255 Storey Boulevard
Cheyenne, WY 82009

RE: Niobrara Energy Park – Water & Sewer Improvements,
Application No. **12-271, Laramie County**

Dear Mr. Trautwein:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution System** consisting of approximately 7460 feet of 10" and 560 feet of 8" PVC C-900 DR-14 waterline, 120 feet of 6" DIP Class 52 hydrant leads, 21 gate valves, and 11 new fire hydrants, and Existing **Sewage Collection System** consisting of approximately 6547 feet of 8" PVC SDR-35 sanitary sewer line, and 20 new manholes, located in a the N½ of Section 9, T13N, R66W, Laramie County in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, the 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 permits, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by September 21, 2014.

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

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

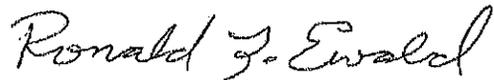
ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7751 FAX 777-5973
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Please reference Application No. 12-271 in any future correspondence.

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

Sincerely,



Ronald L. Ewald
Assistant Southeast District Engineer
Water Quality Division

RLE/rm/12-0868

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne
Bruce H. Perryman, AVI, p.c., 1103 Old Town Lane, Cheyenne, WY 82009
Dena Hansen, General Manager, South Cheyenne Water & Sewer District,
215 East Allison Road, Cheyenne, WY 82007

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

PROJECT: Niobrara Energy Park – Water & Sewer Improvements

LOCATION: N½ Section 9, T13N, R66W, Laramie County

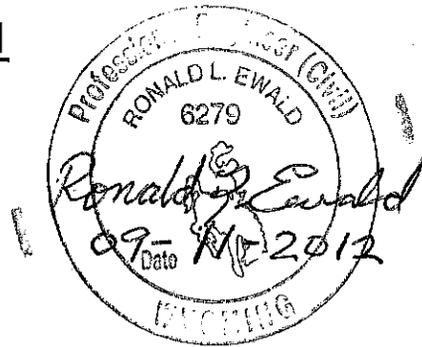
ENGINEER: Bruce H. Perryman
AVI, p.c.
1103 Old Town Lane
Cheyenne, WY 82009
Ph: 637-6017

APPLICANT: Coll-Ind, LLC
Attn: Ben Trautwein, Member
255 Storey Boulevard
Cheyenne, WY 82009
Ph: 547-2206

WATER QUALITY DIVISION REFERENCE #: 12-271

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

DATE OF 2nd REVIEW: September 11, 2012



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

COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Not Enough Water System Valves - this has been satisfied. There are now enough valves throughout the project meeting the maximum distance and location requirements.
2. Plan and Profile Drawing Inconsistencies - *"not all of the valves indicated on the plan views show up in the corresponding profile view."* There are still inconsistencies between some of the plan views and profile views. Two examples where a valve appears in one drawing and not in the other are:
 - a. Sheet W7 at approximately Sta 7+63, next to Fire Hydrant, and
 - b. Sheet W3 at approximately Sta 27+70.
3. Water and Sewer *Main* Crossing Details Inadequate - This previous comment was directed to locations where water & sewer "MAINS" crossed, not service line crossings. - *"Since the plan and profile views for the water system and the sewer system are split up into separate sets of drawings, many of the water and sewer main crossings do not show up on the profile views. This information is needed on the profile views in order to evaluate the vertical separation between the water & sewer mains, and which is above the other."*

The second part of the response to this comment was left incomplete. - *"After all of these crossing locations are indicated on both the water and sewer plans, details for the various similar crossing situations can be developed and added to the detail sheets."* - Some notations were added to the profile views saying "to see detail drawings". However, no detail drawings showing these water & sewer crossing details were included with the response. Please provide these additional referenced detail drawings.

Also, other locations had no extra detail on the plan & profile sheets and did not include a reference to a detail either. Several examples of this are:

- a. On Sheet W5 in the area of Sta 6+00 to 7+00 there appear to be two storm water pipes crossing above the water main without any "special treatment or protection" specified, and
- b. On Sheet W8 at approximately Sta 6+40 a sanitary sewer main crosses above a water main with no "special treatment or protection" indicated, and
- c. On Sheet W7 the fire hydrant feeder main line at Sta 7+73 appears to cross the sewer main at virtually the same level. This crossing is not actually shown on the plans so it is difficult to be sure what is going on at this location, and
- d. On Sheet SA7 there is a water main under a sewer main at Sta 14+64.96.

END OF REVIEW

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

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Niobrara Energy Park – Water & Sewer Improvements

LOCATION: N½ Section 9, T13N, R66W, **Laramie County**

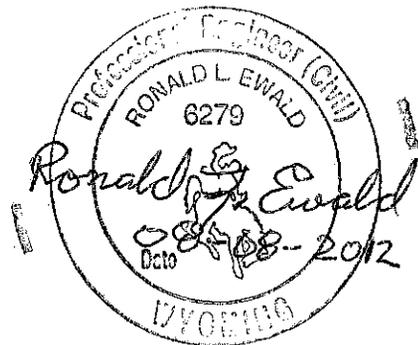
ENGINEER: Bruce H. Perryman
AVI, p.c.
1103 Old Town Lane
Cheyenne, WY 82009
Ph: 637-6017

APPLICANT: Coll-Ind, LLC
Attn: Ben Trautwein, Member
255 Storey Boulevard
Cheyenne, WY 82009
Ph: 547-2206

WATER QUALITY DIVISION REFERENCE #: 12-271

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

DATE OF REVIEW: August 8, 2012



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

COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Not Enough Water System Valves - according to Chapter 12, Section 14(c) of the Water Quality Rules & Regulations(WQR&R), valves in commercial districts shall not be more than 500 feet apart. Section 14(c) states ***“Valves shall be provided on watermains so that inconvenience and sanitary hazards will be minimized during repairs. Valves shall be located at not more than 500 foot intervals in commercial districts and at not more than 1 block or 800 foot intervals in other districts.”*** There are places within the water system layout that have distances of about 2100 feet, 1300 feet, and many segments in the range of 650 to 850 feet between valves. To come into compliance with the 500 foot requirement, valves will need to be added, and/or some valves moved. Also, the valve near the west end of Hinkley Drive should be moved around the “tee” to the north end of Watermain D to minimize fire protection hazards during repairs.

If distances of more than 600 feet between valves are desired, each instance will require a request for a variance and an engineering justification (not a financial reason only) for the deviation from the regulations.

2. Plan and Profile Drawing Inconsistencies - not all of the valves indicated on the plan views show up in the corresponding profile view.
3. Water and Sewer Main Crossing Details Inadequate - since the plan and profile views for the water system and the sewer system are split up into separate sets of drawings, many of the water and sewer main crossings do not show up on the profile views. This information is needed on the profile views in order to evaluate the vertical separation between the water & sewer mains, and which is above the other.

After all of these crossing locations are indicated on both the water and sewer plans, details for the various similar crossing situations can be developed and added to the detail sheets.

END OF REVIEW

RLE/rm/12-0735



Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 19, 2012

Cheyenne LEADS

Attn: Randy Bruns, Chief Executive Officer
121 W. 15th Street, Suite 304
Cheyenne, WY 82003

RE: Data Center Utility Extension,
Application No. 12-272, Laramie County

Dear Mr. Bruns:

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 2,650 lineal feet of 12" water main and Existing **Sewage Collection Systems** consisting of installing approximately 280 lineal feet of 8" sanitary sewer main located in Section 4, 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, 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. Section 2665 E.6 – Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by July 19, 2015.

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ADMIN/OUTREACH (307) 777-7758 FAX 777-7882	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5816	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7758 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7762 FAX 777-6973	WATER QUALITY (307) 777-7781 FAX 777-5973
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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. **12-272** 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/12-0650

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne
Mike Beach, PACLAND – Denver, 88 Steele Street, Suite 100, Denver, CO 80206



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

July 19, 2012

John Smiley
2915 Quitman Street
Denver, CO 80212

RE: Smiley Small Wastewater System
Application No. 12-273, Crook County

Dear Mr. Smiley:

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 two compartment concrete septic tank discharging into one chamber trench of approximately 82 feet consisting of a minimum of 13 Biodiffuser Standard chambers, for a two bedroom loft located in the NW $\frac{1}{4}$, Section 7, Township 52N, Range 60W, 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 11, Part D of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. 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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

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

Sincerely,

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

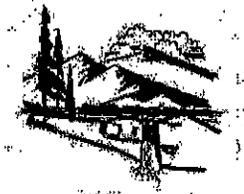
cc: IPS, Cheyenne
WDEQ Casper File
Tim Lyons, Crook County Growth and Development
Brad Dewitt, Hand Crafted Log Homes, P.O. Box 1377, Rapid City, SD 57709





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 Gorra, Director

NOTIFICATION OF COVERAGE

July 9, 2012

Monte Snook
P.O. Box 1419
Sundance, WY 82729

RE: Snook Small Wastewater System
Application No. 12-274, Crook County

Dear Mr. Snook:

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 one pipe and rock trench approximately 108 feet in length, for a two bedroom modular home located in the SW ¼, Section 4, 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 11, Part D of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. 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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

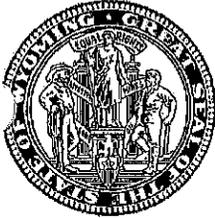
If you have any questions, please contact me at 307-473-3469.

Sincerely,

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

cc: IPS, Cheyenne
WDEQ Casper File
Tim Lyons, Crook County Growth and Development
Floyd Canfield, P.O. Box 952, Sundance, WY 82729





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 22, 2012

U.S. Bureau of Reclamation

Attn: Coleman W. Smith, Jr., Area Manager
P.O. Box 1630
Mills, WY 82644

RE: Guernsey State Park – Long Canyon Host Site - Septic System
Application No. **12-275**, **Platte County**

Dear Mr. Smith:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate a **Small Wastewater Facility** consisting of a 1000 gallon, two compartment, concrete septic tank discharging into about 25 feet of a single line of chamber type trench leachfield of at least 4 *Infiltrator* brand, Original Standard model chamber units, for a single host site RV, located in the NE¼ of Section 9, T27N, R66W, Platte County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by October 22, 2014.

The following project specific condition also applies:

Septic Tank Riser Requirement - either a 6" diameter riser or the manway from each septic tank compartment shall 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

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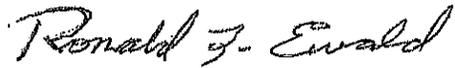
ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-8145 FAX 777-6482	AIR QUALITY (307) 777-7391 FAX 777-5816	INDUSTRIAL SITING (307) 777-7389 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5884	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-6973	WATER QUALITY (307) 777-7781 FAX 777-5973
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Please reference Application No. **12-275** in any future correspondence.

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

Sincerely,



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

RLE/rm/12-0989

Enclosures: Certificate of Completion

cc: IPS, Cheyenne
Lance Marrs, Principal Engineer, 2301 Central Avenue, Barrett Bldg, 4th Floor,
Cheyenne, WY 82002
Platte County Planning Office, Reed Elmquist, P.O. Box 728, Wheatland,
Wyoming 82201

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

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Guernsey State Park; Long Canyon Host Site - Septic System

LOCATION: NW¼ NE¼, Section 9, T27N, R66W, **Platte County**

ENGINEER: Lance Marrs, Principal Engineer
Wyoming State Parks & Historic Sites
Barrett Building, 4th Floor
2301 Central Avenue
Cheyenne, WY 82002
Ph: 777-6325

APPLICANT: U.S. Bureau of reclamation
Attn: Coleman W. Smith, Area Manager
P.O. Box 1630
Mills, WY 82644
Ph: (307) 261-5628

WATER QUALITY DIVISION REFERENCE #: 12-275

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

DATE OF REVIEW: August 13, 2012



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

COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Percolation Test Needs to be Redone - the percolation(perc) tests, as conducted, have several major shortcomings. First, the perc test holes were not presoaked long enough; only 30 minutes instead of the 4 hours minimum required plus time for the soil to swell. Second, the perc tests were done at the wrong depth. The perc tests were done in 6 foot deep test holes, instead of at the proposed depth of the leachfield which is only 3 feet deep. And third, if run correctly, the water level drop rates will not be stable after only one or two readings.

Therefore, the perc tests shall be re-run at the correct depth (36 inches +/- 6"), after having been properly presoaked for at least the minimum of 4 hours,

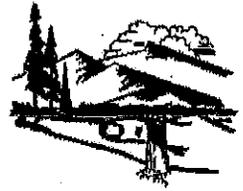
2. Observation Excavation Pit - the application says the test pit was only 6 feet deep, but the proposed depth of the bottom of the leach trench is 3 feet. The observation pit needs to be at least a minimum of 4 feet deeper than the bottom of the leachfield, which in this case is 7 feet deep(8 feet would be better).
3. Septic Tank Too Deep - the application indicates that the septic tank will have 6 feet of backfill cover over the top of it. This means that the outlet would have to be about 7 to 7½ feet deep, which is more than 4 feet below the bottom of the leach trench. How is the effluent from the septic tank supposed to get up to the higher elevation of the leach trench?
4. System Loading Rate in Gallons Per Day(GPD) Incorrect - the application uses 50 gpd for the design loading rate based on 25 gpd per person for two people. However, the table of design flows was misread; and the correct value from the submitted table is 95 gpd per camping trailer. This is close to the required 100 gpd specified in the DEQ / Water Quality Division regulations. The correct design load for this situation is 100 gpd.
5. Re-calculate Minimum Infiltrative Surface Area Required - after re-running the perc tests as required in #1 above and using the correct design loading rate of 100 gpm, the minimum required surface area will have to be re-calculated.

END OF REVIEW

RLE/rm/12-0749



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 27, 2012

Levi Jones
P.O. Box 824
Guernsey, WY 82214

RE: Jones Small Wastewater Facility, DEQ Permit #12-276, Platte County, SW ¼, S6, T26N, R65W, Tract 3, Sclerl Subdivision

Dear Mr. Jones,

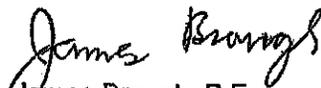
This project consists of the installation of a septic tank and gravity fed drainfield to serve a three-bedroom residence. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11 of the Wyoming Water Quality Rules and Regulations 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 October 31, 2014.

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

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

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

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

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

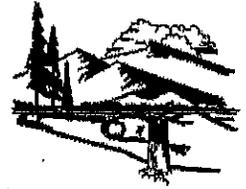
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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





Department of Environmental Quality



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

Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 27, 2012

John P. Reynolds
2153 West Basin St.
Wheatland, WY 82201

RE: Reynold's Small Wastewater Facility, DEQ Permit #12-277, Platte County, E ½, S5, T23N, R68W, Mountain Shadow Subdivision, Lot 27

Dear Mr. Reynolds,

This project consists of the installation of a septic tank and gravity fed drainfield to serve a four-bedroom residence. 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 October 31, 2014

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

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

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

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

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

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT
PWS # 5600018

PERMIT NO. 12-278

REFERENCE PERMIT NO. 11-036

Evansville Business Park – Lathrop Tank Overflow Modifications

This permit hereby authorizes the applicant:

Brian Boettcher
Town of Evansville
P.O. Drawer 158
Evansville, WY 82636

to construct the Evansville Business Park – Lathrop Tank Overflow Modifications, including the installation of 544 feet of 8" PVC, one air-gap manhole, and 180 feet of 12" PVC, according to the procedures and conditions of the application number 12-278. The project is located in the Town of Evansville, Natrona County. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2013.

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

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

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

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

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

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

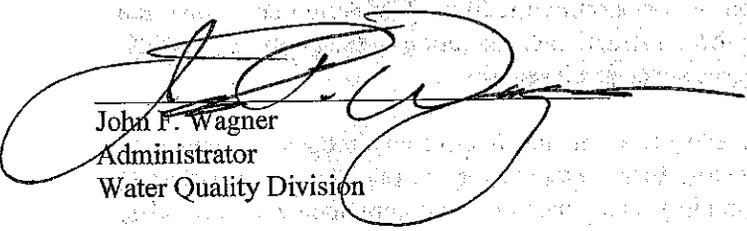
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does

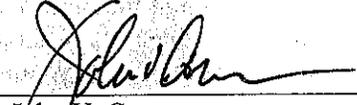
not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

- 1 of 3 The applicant will provide immediate oral or written notice to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601, Phone 307-473-3465, FAX 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

9-25-12
Date of Issuance

KLF/rm/12-0875

cc: Jason L. Meyers, P.E., WLC, 200 Pronghorn, Casper, WY 82601
Keith Tyler, South South, LLC, 421 South Center, Casper, WY 82601

STATEMENT OF BASIS

1. Permit Number: 12-278
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.
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley and completed on September 21, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality

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



Matthew H. Mead, Governor

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

John Corra, Director

July 26, 2012

Jason L. Meyers, P.E.
WLC
200 Pronghorn
Casper, WY 82601

RE: Evansville Business Park – Lathrop Tank Overflow Modifications
Location: Town of Evansville, WY
WDEQ Application #12-278

Dear Mr. Meyers:

We have completed our review of the construction permit application submitted to our office on July 11, 2012. Attached you will find a summary of additional information required to complete our review. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3478 should you have any questions related to these comments or the application and review process.

Sincerely,

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

Attachments: WDEQ Comments

cc: Brian Boettcher, Town of Evansville, P.O. Drawer 158, Evansville, WY 82636
Keith Tyler, South South, LLC, 421 South Center, Casper, WY 82601
IPS
WDEQ File



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

PROJECT: Evansville Business Park – Lathrop Tank Overflow Modification
LOCATION: Town of Evansville, Wyoming
ENGINEER: Jason L. Meyers, P.E.
APPLICANT: South South, LLC

WATER QUALITY DIVISION APPLICATION NUMBER: 12-278

DATE ON PROPOSAL/PLANS/REPORT: July, 2012

DATE RECEIVED BY DEQ: July 11, 2012

DATE OF THIS REVIEW: July 26, 2012

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

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

WDEQ COMMENTS

- 1) Chapter 12, Section 13(a)(vi)(C) – Please confirm and provide calculations that the proposed 8” line will be adequate to waste the water in excess of the filling rate of the tank.
- 2) Chapter 12, Section 7(d) – Please provide a detail of the proposed “air-gap” manhole and the tie-in to the existing HDPE storm sewer.
- 3) Chapter 12, Section 7(f) – Please identify what type of PVC is to be used for the project. In addition, please address construction methods used to install the line in the section that shows a 27% slope.
- 4) The profile for this project does not match the record drawings submitted for the Evansville Business Park – Sheet 9; in addition, the lot numbers don’t match up either. Please address.



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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

July 12, 2012

Deb Morris
Strata Energy
1923 D Road
Oshoto, WY 82721

RE: Strata Energy Small Wastewater System
Application No. 12-279, Crook County

Dear Ms. Morris:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of an existing 1,250 gallon ICM concrete septic tank discharging into two pipe trenches of approximately 100 feet and 70 feet, for a three bedroom home located in the **SE ¼, Section 25, Township 53N, Range 68W**, 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 11, Part D** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. 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

Additionally, the following permit condition applies:

1. 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.
2. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

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
Wyoming Earthmoving Corp., P.O. Box 454, Rozet, WY 82727



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 12-280

Walmart DC #7077 Phosphate Addition System to Incoming Potable Water Supply

This permit hereby authorizes the applicant:

Wal-Mart Stores East, LP (d/b/a CD #7077 Cheyenne, WY)
2001 SE 10th Street
Bentonville, AR 72716

to construct, install or modify a phosphate addition system for corrosion control according to the procedures and conditions of the application number 12-280. The facility is located in SW 1/4 of Section 4, T13N R67W; Laramie County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed July 26, 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.

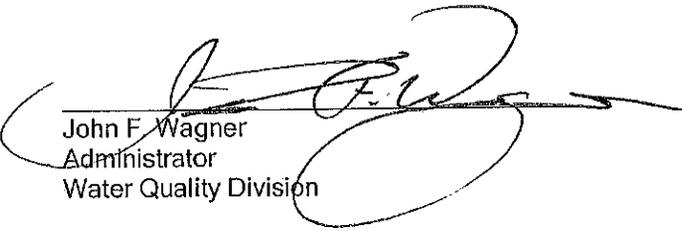
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

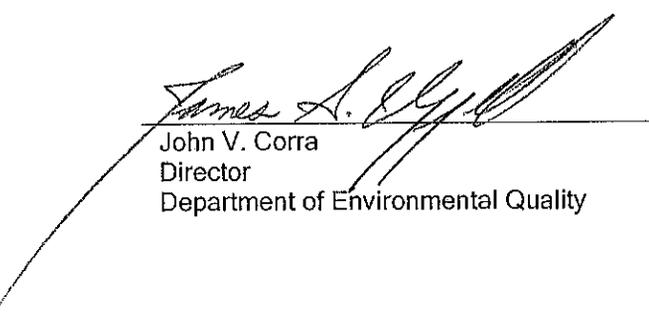
- 1 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-7610, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations 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.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
 - e. As a part of the certificate of completion, the Engineer must certify that all Test Wells have been plugged and abandoned as required by Chapter 11, WQD Rules and Regulations.

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

Date of Issuance 8-3-12

SWT/rm/12-0696

STATEMENT OF BASIS

1. Permit Number: **12-280**
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 August 2, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 27, 2012

Richard Elliott, Public Works Director
City of Laramie
P.O. Box C.
Laramie, WY 82073

RE: City of Laramie Phase 2 SPT - Schedule 6
DEQ Permit #12-281
Located in Albany County, S29, T16N, R73W; Lat. 41.3229°, Long. 105.6004°

Dear Mr. Elliott,

This project consists of the construction of 2,250 linear feet of 10 inch water line to replace existing 10 inch water line in Cedar Street, Laramie Wyoming, and the construction of 2,350 linear feet of 36 inch sewer line to replace existing 24 inch sewer line in Cedar St., Laramie, WY

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 31, 2014

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.

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) 332-6766
FAX 332-7726

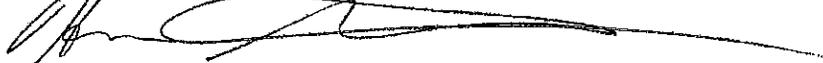
LAND QUALITY
(307) 332-3047
FAX 332-7726

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

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

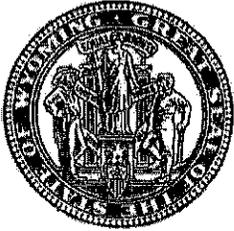


Sincerely,



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

xc: PDF to Cheyenne
Mark Ober Schmidt PE, Coffey Engineering and Survey, 902 S. 3rd St., Laramie, WY 82070



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 16, 2012

Robert E. King
Town of Thayne
P.O. Box 298
Thayne, WY 83127

RE: Thayne - Thayne Community Center - Sewer Main Extension - Permit Number 12-283, NW ¼ Section 23, T34N, R119W, Lincoln County

Dear Mr. King:

The above application for coverage under **General Permit to Construct** for the extension of **Public Sewage Collection System** consisting of about 165 linear feet of 6-inch PVC sewer main and one manhole to serve the Town of Thayne's Community Center in accordance with Chapter 3, Section 7 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

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

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

Sincerely,

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

PDF to Cheyenne
Robert V. Hood, P.E., Sunrise Engineering, P.O. Box 609, Sunrise Engineering,
Afton, WY 83110

Page 1 of 1



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 12-284

CURT GOWDY VISITORS CENTER WATER SYSETEM PROJECT

This permit hereby authorizes the applicant:

Wyoming Department of State Parks and Cultural Sites
Division of State Parks and Historic Sites
2301 Central Avenue, Barrett Bldg.
Cheyenne, WY, 82002

to construct, install or modify water system for a visitors center which includes the well and pump, chlorinator, water line, valve and meter, storage tank, booster pump, pressure switch, and air tank according to the procedures and conditions of the application number 12-284. The facility is located in SE 1/4 of the NW 1/4 of Section 16, T14N R70W; Laramie County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed September 28, 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.

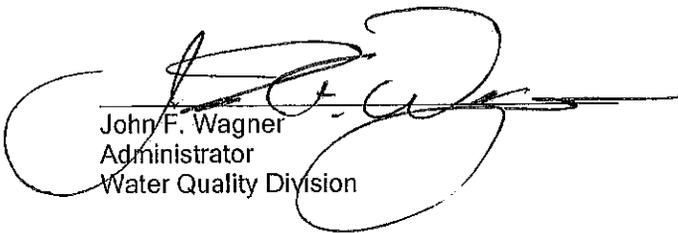
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

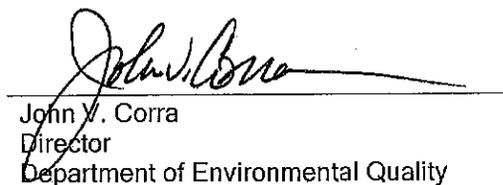
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
 - e. As a part of the certificate of completion, the Engineer must certify that all Test Wells have been plugged and abandoned as required by Chapter 11, WQD Rules and Regulations.
3. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John Y. Corra
Director
Department of Environmental Quality

Date of Issuance 10-16-12

SWT/rm/12-0967

STATEMENT OF BASIS

1. Permit Number: **12-284**
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 October 15, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

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

CLASS V INJECTION WELL

(X) New
() Modified (Renewal)

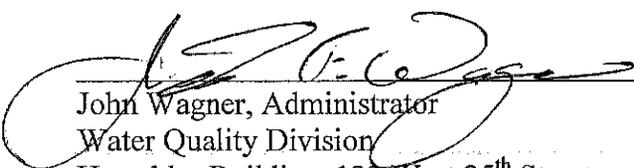
Permit Number: 12-285
Facility Number: WYS-029-00218
State Subclass: 5E3
Previous Permit Number: None

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

Applicant: U.S. Dept. of the Interior (Lamar Ranger Station)
National Park Service, P. O. Box 168
Yellowstone National Park, WY 82190

The National Park Service, hereinafter referred to as the permittee, is authorized to operate the septic systems located at the **Lamar Ranger Station** in the NW1/4 of the NW1/4 of the SE1/4 of Section 25, Township 57 North, Range 111 West of the Sixth Principal Meridian, in Park County, Wyoming. The permittee is allowed to operate the facility according to the procedures, conditions, and requirements of this permit.

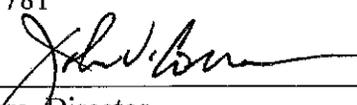
This permit shall become effective on date of issuance.



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

10/14/12

Date



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

10/16/12

Date

NT/rm/12-0939

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S.	Severability.....	10

A. Discharge Zone

This injection facility (sanitary leachfield) is authorized to inject, at ambient air pressure, up to 1,712 gallons per day average and 2,853 gallons per day maximum combined total from two sanitary leachfields. Leach field #1 is authorized to discharge up to 974 gallons per day average and 1,623 gallons per day maximum from two residential buildings and a cafeteria. Leach field #2 is authorized to discharge up to 738 gallons per day average and 1,230 gallons per day maximum from one residential building and a bathhouse and laundry facility. The primary treated wastewater is discharged into leachfields located south and southeast of the facility structures and completed within in the unconfined alluvial fan deposits. The groundwater in the immediate area is estimated to be greater than 5 feet below the septic system leach field at the injection location based on topography and surface elevations.

B. Well and Area of Review

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

NW1/4 of the NW1/4 of the SE1/4 of Section 25, Township 557 North, Range 111 West of the Sixth Principal Meridian, in Park County, Wyoming.

The Area of Review is defined as a circular area of 360 acres with the injection facility located near its center.

The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10	Years
Porosity	20	Percent
Maximum Injection Rate	2,853	GPD
Thickness of Receiver	5	Feet
Area of Review	360	Acres
Hydraulic Conductivity	5	Feet/Day

C. Groundwater Classification

The groundwater in the unnamed alluvial aquifer has not been classified according to Wyoming Water Quality Rules and Regulations, Chapter 8. Due to the remote and pristine nature of the facility location, there are no existing uses of groundwater within the area of review (AOR), and ambient groundwater quality cannot be determined. Based on modeling of nitrate loading using the Wehrmann Model (according to Wyoming Water Quality Rules and Regulations, Chapter 23), operation of the facility will not result in a violation of Class I, II, III or IV groundwater quality standards at any point of groundwater withdrawal outside of the AOR. In the event that groundwater use begins within the AOR, the permittee will be required to classify the groundwater by constructing at least one (1) monitoring well.

Groundwater of Class I shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

The operator is authorized to inject at a pressure of no more than atmospheric pressure as measured at the leachfields. These systems are controlled by gravity drainage and pressures are not required to be monitored. The wastewater is produced from three (3) employee residential units, bathhouse, laundry, and cafeteria building. The wastewater is injected into an unconfined alluvial fan deposit. The wastewater is described as primary treated domestic sewage.

E. Hazardous Waste

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

F. Proper Operation and Maintenance

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes: effective performance, adequate funding, operator staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit. The injection and monitor wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapters 11, 16 and 25.

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

G. Entry and Inspection

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

H. Environmental Monitoring Program

General Requirements:

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

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

I. Requirements for Monitoring the Discharge

The following parameters shall be collected and reported annually according to the schedule identified in **Table 2** :

Table 2 (Annual Groundwater Monitoring Schedule)

SAMPLING POINT	SAMPLING SCHEDULE	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL
Leach Field #1	Semi-Annually (January-June and July-December)	Total Volume Injected	Septic System Flow Meters	1,623 gallons per day
Leach Field #2	Semi-Annually (January-June and July-December)	Total Volume Injected	Septic System Flow Meters	1,230 gallons per day
Septic Tanks	Annually	Sludge depth in tanks (ft)	Visual	1.5 feet ¹

NOTES:

¹ The septic tanks are to be inspected, at a minimum annually, and must be pumped as necessary based on sludge depth at the bottom of the septic tanks. Sludge depth is not to exceed 18 inches in the septic tank. A copy of the invoice for pumping the tank is to be included with the annual report.

All annual reports are to be reported within forty-five (45) days of the last day of each year (February 15th).

J. Test Procedures

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

K. Records and Reports

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

L. Permit Actions

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

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

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

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

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

M. Abandonment

General Requirements:

1. The permittee shall notify the administrator at least thirty (30) days prior to abandonment of the facility.
2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this permit, or describing any deviations from the original plan, shall be submitted as soon as practicable after abandonment. The abandonment shall include reclamation of the well site.
3. Injection wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 16, Section 12.

N. Duties of the Permittee

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

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

O. Signatories Requirement

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

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

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

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

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

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

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

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

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

P. Noncompliance

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

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

Q. Permit Transfer

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

facility and subsequent operation of this facility by another is a violation of this permit unless a transfer of this permit has first been accomplished.

R. Property Rights

This permit does not convey any property rights of any sort or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

S. Severability

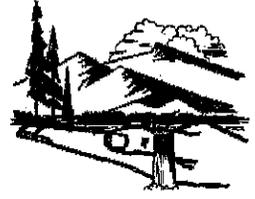
Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable state law or regulation.

-End of Permit-



Department of Environmental Quality

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



Matthew H. Mead, Governor

John Corra, Director

October 11, 2012

U.S. Dept. of the Interior
Attn: Ms. Nancy Ward, PE
National Park Service, P. O. Box 168
Yellowstone National Park, WY 82190

RE: Lamar Ranger Station, Class V Septic System
Final Permit **12-285**, Facility ID #WYS-029-00218
Park County, Wyoming

Dear Ms. Ward:

Attached please find one copy of the Class V permit. This permit does not currently require environmental sampling during the reporting year. The requirements for monitoring and reporting are included in Section I of the permit.

The permit application, draft permit, final permit, and public notice, are available for review on the GEM website, <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) 777-8275 or by email at nicole.twing@wyo.gov.

Sincerely,

Nicole Twing, P.G.
Wyoming Department of Environmental Quality
Project Geologist
Water Quality Division

NT/rm/12-0939

Enclosure: Final Permit

cc: John Passehl - WDEQ





Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 17, 2012

Joella Dugan
P.O. Box 421
Pinedale, WY 82941

RE: Dugan Employee Shop - Small Wastewater Treatment System - Permit Number 12-286,
Airport Industrial Park Subdivision, Lot 9, Lat: 42.803444, Long: -109.819167, Sublette
County

Dear Ms. Dugan:

The above application for coverage under General Permit to Construct a Small Wastewater Facility consisting of an Advanced Enviro-Septic® Leaching System with two 50 foot laterals and a 1000 gallon septic to serve a Shop Building in accordance with Chapter 3, Section 7 and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permits. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at : http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

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

Sincerely,

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

xc: IPS, Cheyenne
Mark C. Eatinger, P.E., Rio Verde Engineering, P.O. Box 642, Pinedale, WY 82941
Keith Raney, Environmental Health, Sublette County, P.O. Box 722, Pinedale, WY 82941

Page 1 of 1





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 15, 2012

Cheyenne Land Investors, LLC

Attn: Jon Braxton, Owner
PO Box 11890
Bozeman, MT 59719

RE: Lincoln Court – Towneplace Suites by Marriott – Water & Sewer Extensions,
Application No. 12-287, Laramie County

Dear Mr. Braxton:

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 approximately 845 feet of 8" C-900 PVC waterline, seven gate valves, and two new fire hydrants, and Existing **Sewage Collection Systems** consisting of approximately 200 feet of 8" PVC SDR-35 sanitary sewer line, 120 feet of 6" D.I.P. fire line, and 3 new manholes, located in a portion of **Section 1, 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 permits, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **August 15, 2014**.

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

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

ADMIN/OUTREACH (307) 777-7760 FAX 777-7682	ABANDONED MINES (307) 777-5145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-6616	INDUSTRIAL SITING (307) 777-7369 FAX 777-8937	LAND QUALITY (307) 777-7758 FAX 777-5884	SOLID & HAZ. WASTE (307) 777-7762 FAX 777-8973	WATER QUALITY (307) 777-7781 FAX 777-6973
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Please reference Application No. **12-287** in any future correspondence.

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

Sincerely,



Ronald L. Ewald
Assistant Southeast District Engineer
Water Quality Division

RLE/rm/12-0754

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne
Thomas L. Kent, AVI p.c., 1103 Old Town Lane, Ste. 101, Cheyenne, WY 82009
Herman Noe, Engineering Manager, Cheyenne Board of Public Utilities, 2100 Pioneer Ave.,
Cheyenne, Wyoming 82001



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Matt Mead, Governor.

John Corra, Director

NOTIFICATION OF COVERAGE

August 21, 2012

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

RE: 20 Inch and 24 Inch Transmission Pipeline Cleaning
DEQ Permit #12-288
Located in Albany County, T15N, R74W; T15N, R75W; T14N, R75W; T14N, R76W

Dear Mr. Van Zee,

This project consists of the installation of line valves, crossovers, air valves and pipe fittings for pigging of 13.6 miles of 20 inch and 24 inch water transmission pipelines.

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 31, 2014

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.

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

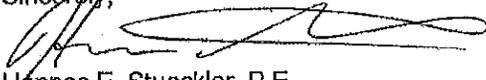
LAND QUALITY
(307) 332-3047
FAX 332-7726

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

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



Sincerely,



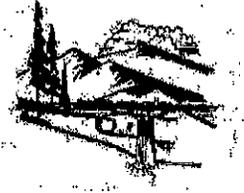
Hannes E. Stueckler, P.E.
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne
Ed Nowak PE, Camp Creek Engineering, 410 E. Grand Ave., Suite 205, Laramie, WY 82070



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

August 6, 2012

Ron Achtziger
P.O. Box 908
Sundance, WY 82729

RE: Achtziger Small Wastewater System
Application No. 12-289, Crook County

Dear Mr. Achtziger:

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 Boom concrete septic tank discharging into two pipe and rock trenches of approximately 77 feet each, for a two bedroom home located in the NW ¼, **Section 4, 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 11, Part D** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. 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

Additionally, the following permit condition applies:

1. 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.
2. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

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
Floyd Canfield, P.O. Box 952, 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

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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 17, 2012

Edward Ewart
Summit ESP
7060 Yale Ave., Suite 707
Tulsa, OK 74136

RE: 6 Inch Summit ESP Fire Line
DEQ Permit #12-290
Located in Park County, L62A, S14, T55N, R99W; (Lat. 44.7517°, Long. -108.74°)

Dear Mr. Ewart,

This project consists of wet tapping the existing City of Powell waterline and installing a new 6 inch water line to a new connection location in the Summit ESP building.

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 31, 2014

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.

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

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

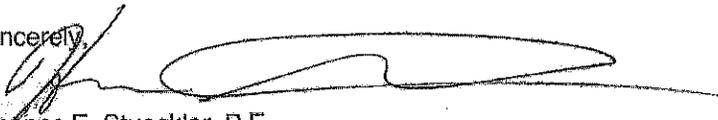
LAND QUALITY
(307) 332-3047
FAX 332-7726

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

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



Sincerely,



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

xc: PDF to Cheyenne
Travis L. Conklin PE, engineering Associates, P.O. Box 1900, Cody, WY, 82414



Department of Environmental Quality

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



Matthew H. Mead, Governor

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

John Corra, Director

NOTIFICATION OF COVERAGE

July 26, 2012

William Mulcahey
P.O. Box 1409
Sundance, WY 82729

RE: Mulcahey Small Wastewater System
Application No. 12-292, Crook County

Dear Mr. Mulcahey:

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 Boom concrete septic tank discharging into two Biodiffuser Arc 36 chamber trenches of approximately 100 feet each, for a three bedroom home located in the SE $\frac{1}{4}$, Section 3, 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 11, Part D of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. 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

Additionally, the following permit condition applies:

1. 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.
2. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.

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

Sincerely,

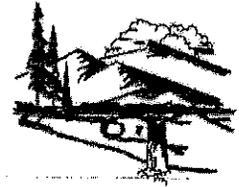
Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Tim Lyons, Crook County Growth and Development
Stinson Backhoe, LLC., P.O. Box 23, Hulett, WY 82720





Department of Environmental Quality



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

Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 25, 2012

Jay Anderson
C&A Services, LLC
P.O. Box 310
Lyman, WY 82937

RE: Redl Services- Mobile Home Septic System - Permit Number 12-294, Lat: 42.801472, Long: 109.813111, Airport Industrial Park Subdivision Lot 4, Sublette County, WY

Dear Mr. Anderson:

The above application for coverage under General Permit to Construct a Small Wastewater Treatment Facility consisting of a JetBAT Enhanced Septic Treatment System with a 28 unit Quik-4 Infiltrator Bed to serve a three bedroom mobile home in accordance with Chapter 3, and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

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

- 1 of 5 This permit is for an enhanced small wastewater treatment system. The permittee is required to obtain a maintenance contract and submit annual documentation that maintenance is being provided in accordance with the manufacturer requirements and recommendations and the permit conditions. Authority for this requirement is found in Sections 11 (a) and (c), Chapter 3 of the Wyoming Water Quality Rules and Regulations. Annual maintenance documentation must be submitted before December 31 of each year, starting December 31, 2013 to: Southwest District Engineer, Wyoming Department of Environmental Quality, 510 Meadowview Drive, Lander, WY 82520. Failure to submit annual maintenance documentation is a violation of the compliance requirements for this permit issued under Wyoming Statute 35-11-301.



- 2 of 5 The permittee shall ensure that the system is maintained and regularly serviced, as recommended by the manufacturer, for the life of the system. An inspection of the system, as recommended by the manufacturer in the owner's manual, shall be performed every six months by a qualified or certified individual to ensure the system is operating correctly, and to determine when maintenance is required.
- 3 of 5 In the event that authority for permitting enhanced small wastewater treatment systems is delegated to Sublette County by the Department of Environmental Quality, the permittee shall be subject to all county requirements and resolutions that may be in effect, or subsequently enacted, affecting the inspection, operation, maintenance, monitoring, or replacement of this system.
- 4 of 5 This small enhanced wastewater treatment system must continually achieving the following minimum treatment standards as required by Chapter 23, Section 7(d)(viii)(C) of the Wyoming Water Quality Rules and Regulations at a depth of 4.0 feet above the seasonally high groundwater:
- Fecal Coliform: < 800 colonies/100mL (maximum 30 day geometric mean)
 - Total Kjeldahl Nitrogen: < 25mg/L (maximum 30 day average)
- 5 of 5 The bottom of the leach field must be at least 6.0 feet above the seasonally high ground water.

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

Sincerely,



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

xc: IPS, Cheyenne
Keith Raney, Environmental Health, Sublette County, P.O. Box 722,
Pinedale, WY 82941
Mark C. Eatinger, P.E., Rio Verde Engineering, P.O. Box 642, Pinedale, WY 82941
Jay Anderson, P.O. 1562, Pinedale, WY 82941



Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 7, 2012

Robert E. King
Town of Thayne
P.O. Box 298
Thayne, WY 83127

RE: Thayne - Thayne Community Center - Water Main Extension - Permit Number 12-295, NW 1/4 Section 23, T34N, R119W, Lincoln County

Dear Mr. King:

The above application for coverage under **General Permit to Construct** for the extension of **Public Water Supply Distribution System** consisting of about 60 linear feet of 4-inch PVC water main to serve the Town of Thayne's Community Center in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

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

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

Sincerely,

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

PDF to Cheyenne
Robert V. Hood, P.E., Sunrise Engineering, P.O. Box 609, Sunrise Engineering,
Afton, WY 83110

Page 1 of 1

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

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

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

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

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

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT
PWS #5601579

PERMIT NO. 12-296

REFERENCE PERMIT NO. 01-212

33 Mile Pump Station Project

This permit hereby authorizes the applicant:

Roy Baughman, President
33 Mile Road Improvement and Service District
P.O. Box 3013
Mills, WY 82644

to construct, install, and/or modify the 33 Mile Pump Station Project, according to the procedures and conditions of the application number 12-296. The facility is located in the SE ¼, Section 3, Township 34 North, Range 81 West, Natrona County. The project site is located along Enberg Road. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2014.

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

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

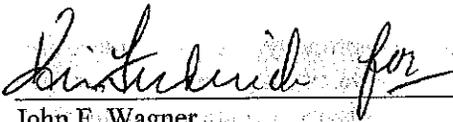
Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and operator to comply with all applicable federal, state and local laws or regulations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

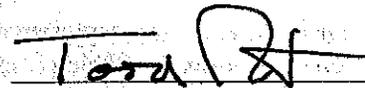
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 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.
- a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 4 Within thirty days of completion of construction of the authorized facility, the Engineer of Record will submit two (2) complete copies of the Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY 82601.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

12-26-12
Date of Issuance

KLF/bb/12-1153

cc: Nicholas Larsen, P.E., CEPL, 6080 Enterprise Drive, Casper, WY 82609
John Gillis, EPA

STATEMENT OF BASIS

1. Permit Number: 12-296
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?
NO. Automatic start-up of the ventilation system upon entry will not be installed. An over-ride switch will be located inside the building for the operator to activate if desired. An intermittent ventilation system activated and controlled by a thermostat will be used for ventilating and heating and cooling the building during unoccupied periods. During operation, air changes will exceed those required in Chapter 12.
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley, P.E., and completed on December 19, 2012. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

KLF/bb/12-1153



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

August 28, 2012

Nicholas Larsen, P.E.
CEPI
6080 Enterprise Drive
Casper, WY 82609

RE: 33 Mile Pump Station Project
Location: SE ¼, Section 3, Township 34 North, Range 81 West, Natrona County, WY
Application #12-296

Dear Mr. Larsen:

We have completed our third review of the permit application originally submitted to our office on July 17, 2012. Attached you will find a summary of additional information required to complete our review. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3478 should you have any questions related to these comments or the application and review process.

Sincerely,

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

Attachments: WDEQ Comments

cc: Roy Baughman, President, 33MRISD, P.O. Box 3013, Mills, WY 82644
IPS
WDEQ File



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

PROJECT: 33 Mile Pump Station Project

LOCATION: Natrona County, Wyoming

ENGINEER: Nicholas Larsen, P.E.

APPLICANT: Roy Baughman, 33MRISD

WATER QUALITY DIVISION APPLICATION NUMBER: 12-296

DATE ON PROPOSAL/PLANS/REPORT: July, 2012

DATE RECEIVED BY DEQ(3): August 10, 2012

DATE OF THIS REVIEW(3): August 28, 2012

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

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

WDEQ COMMENTS

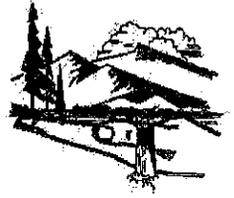
- 1) Please provide a detail of the 6" flushing hydrant and an explanation of its purpose.
- 2) Chapter 12, Section 12(h) – Ventilation – the response provided doesn't confirm that the requirement given in this section can be met by the proposed stationary louver and fan. The requirement is *"If intermittent, ventilation in areas normally visited by operating personnel shall be started automatically at not greater than 30 minute intervals. Permanently installed drywell ventilation shall provide at least 6 air changes per hour if continuous, and 12 air changes per hour if intermittent."* Please address.

- 3) Chapter 12, Section 12(j) – Lighting – Again, the response provided doesn't confirm that the requirement given in this section can be met by the proposed lighting. The requirement is *"Lighting levels shall be sufficient to permit safe operation and maintenance of all equipment within the pumping stations, but not less than 30 foot candles. All areas shall be lit in such a manner that the failure of 1 lighting fixture or lamp will not cause the area to be completely dark."* Please address.
- 4) Chapter 12, Section 12(q)(ii) – Gauges. *"Each pump shall have a standard pressure gauge on its discharge line. Each pump shall have a compound gauge on its suction line, except wet pit type pumps."* Please address.
- 5) Chapter 12, Section 7(c)(iii) – Please provide a complete detail and design information for the check valve vault proposed.



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

August 3, 2012

Nicholas Larsen, P.E.
CEPI
6080 Enterprise Drive
Casper, WY 82609

RE: 33 Mile Pump Station Project
Location: SE ¼, Section 3, Township 34 North, Range 81 West, Natrona County, WY
Application #12-296

Dear Mr. Larsen:

We have completed our second review of the permit application submitted to our office on July 17, 2012. Attached you will find a summary of additional information required to complete our review. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3478 should you have any questions related to these comments or the application and review process.

Sincerely,

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

Attachments: WDEQ Comments

cc: Roy Baughman, President, 33MRISD, P.O. Box 3013, Mills, WY 82644
IPS
WDEQ File



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

PROJECT: 33 Mile Pump Station Project

LOCATION: Natrona County, Wyoming

ENGINEER: Nicholas Larsen, P.E.

APPLICANT: Roy Baughman, 33MRISD

WATER QUALITY DIVISION APPLICATION NUMBER: 12-296

DATE ON PROPOSAL/PLANS/REPORT: July, 2012

DATE RECEIVED BY DEQ(2): August 2, 2012

DATE OF THIS REVIEW(2): August 3, 2012

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

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

WDEQ COMMENTS

- 1) Your response to our review comment concerning addressing ALL of the items in Chapter 12, Section 12, is inadequate. A design report must provide justification for the proposed improvements, and this includes, but is not limited to, calculations supporting what has been proposed for use. What you have provided are the components and references to them, but there is no accompanying design justification for them. This is what we require and a permit to construct will not be issued until this information is provided and has been reviewed and approved. Further, the checklist provided doesn't give us the design information we require. Nor do we have the time to look through the project manual and the mechanical/electrical drawings in the hopes that we will find the justification and/or design information needed. All of this

needs to be addressed in the design report. **Following are just a few examples of missing information:**

- a. *Chapter 12, Section 12(a) – “Total Dynamic Head. The total dynamic head rating of pumping units shall be based on pipe friction, pressure losses from piping entrances, exits, appurtenances(bends, valves, etc.), and static head at the design flow.”* The submitted information only gives what is being proposed for use. What is the basis for these particular pumps? Please provide calculations that verify that what is proposed will provide the required results.
 - b. *Chapter 12, Section 12(c)(ii) – “They shall have a floor elevation or a main level entry of at least 6 inches above finished grade. All floors shall slope at least 2 ½ inches in every 10 feet to a suitable drain. Pumps shall have an outlet for drainage from pump glands without discharging onto the floor.”* None of the drawings show that this particular requirement will be met.
 - c. *Chapter 12, Section 12(g) – “Heating. Provisions shall be made for heating to maintain a minimum temperature of 40 degrees F if not typically occupied and 50 degrees F if occupied.”* None of the information submitted confirms that this requirement can be met by what is proposed.
 - d. *Chapter 12, Section 12(q)(ii) – “Gauges. Each pump shall have a standard pressure gauge on its discharge line. Each pump shall have a compound gauge on its suction line, except wet pit type pumps.”* Please confirm in the details that these are included in the design.
 - e. *Chapter 12, Section 12 (p) – “Automatic and remote controlled stations. Conditions that may affect continuous delivery of water shall be alarmed at an attended location.”*
Please fully respond to this requirement.
- 2) The drawings you provided are stamped “AGENCY REVIEW DOCUMENTS NOT FOR CONSTRUCTION”. This tells me that these drawings are not final. A permit to construct will not be issued until final drawings, for construction, have been submitted, reviewed by DEQ, and approved. In addition, the Technical Memorandum that you have utilized for the design report indicates that it is a 10-percent design report. Again, we cannot approve a design that is not final.
 - 3) Chapter 12, Section 16 - An O&M Manual is required.



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

July 27, 2012

Nicholas Larsen, P.E.
CEPI
6080 Enterprise Drive
Casper, WY 82609

RE: 33 Mile Pump Station Project
Location: SE ¼, Section 3, Township 34 North, Range 81 West, Natrona County, WY
Application #12-296

Dear Mr. Larsen:

We have completed our review of the permit application submitted to our office on July 17, 2012. Attached you will find a summary of additional information required to complete our review. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3478 should you have any questions related to these comments or the application and review process.

Sincerely,

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

Attachments: WDEQ Comments

cc: Roy Baughman, President, 33MRISD, P.O. Box 3013, Mills, WY 82644
IPS
WDEQ File



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

PROJECT: 33 Mile Pump Station Project

LOCATION: Natrona County, Wyoming

ENGINEER: Nicholas Larsen, P.E.

APPLICANT: Roy Baughman, 33MRISD

WATER QUALITY DIVISION APPLICATION NUMBER: 12-296

DATE ON PROPOSAL/PLANS/REPORT: July, 2012

DATE RECEIVED BY DEQ: July 17, 2012

DATE OF THIS REVIEW: July 27, 2012

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

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

WDEQ COMMENTS

- 1) Chapter 12, Section 12 – Please fully address all requirements in this section.
- 2) Are these the final plans, design report, and project manual? If not, please provide one original and two copies of these to this office.



Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 28, 2012

Legacy – Cheyenne Partners, Limited Partnership
Attn: Bobbi Jo Lucas, President
209 S. 19th Street, Suite 600
Omaha, NE 68102

RE: Legacy Senior Residence,
Application No. **12-298, Laramie County**

Dear Ms. Lucas:

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 extending approximately 560 lineal feet of PVC water main, 180 lineal feet of ductile iron pipe water main, and 100 lineal feet of PVC water service piping and **Existing Sewage Collection Systems** consisting of extending approximately 170 lineal feet of sanitary sewer main located in the Northwest ¼, Section 34, T14N, R66W, Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the 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, 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.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **August 30, 2017**.

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

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

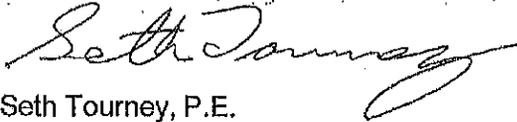
ADMIN/OUTREACH (307) 777-7768 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-6616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5884	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5873	WATER QUALITY (307) 777-7781 FAX 777-5873
--------------------------------------------------	---------------------------------------------------	-----------------------------------------------	-----------------------------------------------------	------------------------------------------------	------------------------------------------------------	-------------------------------------------------



Please reference Application No. 12-298 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/12-0795

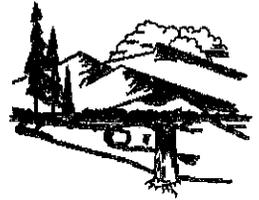
Enclosures: Certificate of Completion form

cc: IPS

Thomas D. Cobb, AVI, p.c., 1103 Old Town Lane, Suite 101, Cheyenne, Wyoming 82009



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

January 29, 2013

John P. Radosevich, P.E.
Sweetwater County Road and Bridge
80 West Flaming Gorge Way, Suite 23
Green River, WY 82935

RE: Sweetwater County Road and Bridge - Salt and Sand Stockpile Sites

Dear Mr. Radosevich:

Our Records indicate that a written review was sent on August 9, 2012 for the following project. A copy of this review, was sent to you, requesting additional information. The requested, information, necessary to process this application has not yet been received by the Department of Environmental Quality. The specific information for the proposed project is as follows:

Facility Name: Sweetwater County Road and Bridge - Salt and Sand Stockpile Sites
DEQ/WQD Reference Number: #12-299
DEQ/WQD Approving Engineer: Mark Baron, P.E.
Date of DEQ/WQD Review: August 9, 2012

The construction, installation, or modification of any sewerage system, treatment works, disposal system including septic systems, or other facility capable of causing or contributing to pollution, or public water supply system including water mains, water wells, water services greater than 2-inch in diameter or other facilities without a Permit to Construct, is a violation of Wyoming State Statute 35-11-301.

If you have any questions regarding my review comments or this letter, please contact me at 307-335-6962.

Sincerely,

Mark Baron, P.E.
Southwest District Engineer
Water Quality Division
Enclosure: Permit Application Package 12-299

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