

# Department of Environmental Quality

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



Matthew H. Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

January 22, 2013

### Cheyenne Board of Public Utilities

Attn: Herman Noe, BOPU Engineering Manager  
2416 Snyder Avenue  
Cheyenne, Wyoming 82001

RE: HR Ranch Road - Water System Improvements  
Application No. **13-001**, Laramie County

Dear Mr. Noe:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems** consisting of a total of approximately 8800 feet of 12" PVC C-900 water main, 400 feet of 16" DIP water main, gate valves as indicated, and eight new fire hydrants, located in portions of **Section 01, T13N, R66W, and Section 06, T13N, R65W, and Section 31, T14N, R65W, and Section 36, 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, 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 **January 22, 2015**.

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

Please reference Application No. **13-001** in any future correspondence.

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

Sincerely,

Ronald L. Ewald  
Assistant Southeast District Engineer  
Water Quality Division

RLE/rm/13-0058

Enclosures: Certificate of Completion form  
cc: IPS, Cheyenne  
Jeffrey J. Griggs, AVI, p.c., 1103 Old Town Lane, Suite 101, Cheyenne, WY 82009

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

ADMIN/OUTREACH (307) 777-7158 FAX 777-7882	ABANDONED MINES (307) 777-6145 FAX 777-6482	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-8973	LAND QUALITY (307) 777-7756 FAX 777-6864	SOLID & HAZ. WASTE (307) 777-7152 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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REVIEW OF PLANS AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION

Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

PROJECT: HR Ranch Road – Water Improvements

LOCATION: Portions of: Section 01, T13N, R66W, and  
" Section 06, T13N, R65W, and  
" Section 31, T14N, R65W, and  
" Section 36, T14N, R66W, Laramie County

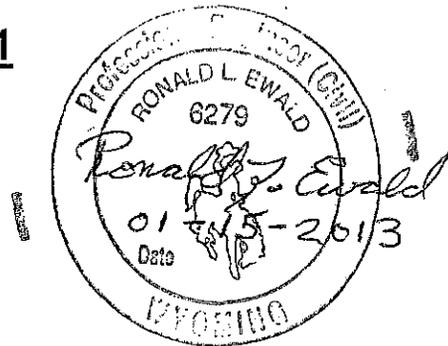
ENGINEER: Jeffrey J. Griggs, AVI, p.c.  
1103 Old Town Lane, Suite 101  
Cheyenne, Wyoming 82009  
Ph: (307) 637-6017

APPLICANT: Cheyenne Board of Public Utilities  
Attn: Herman Noe, BOPU Engineering Manager  
2416 Snyder Avenue  
Cheyenne, Wyoming 82001  
Ph: (307) 637-6460

**WATER QUALITY DIVISION REFERENCE #: 13-001**

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

DATE OF REVIEW: January 15, 2013



**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. Overall Comment – Submittal Specifics OK - everything in the submittal meets the DEQ Water Quality Rules & Regulations Requirements for Chapter 12, and is ready to be approved. However, there is an administrative shortcoming that must be corrected first.
2. Plan Set Drawings are Not "Final Plans" and are Not Signed and Sealed by a Wyoming Licensed Professional Engineer - first, the plan sets that were submitted state on the cover sheet that they are "*Bid Plans, Not for Construction*". And secondly, the plan sets are not signed and sealed by a Wyoming Licensed Professional Engineer.

What is needed to be able to approve this application are three(3) plans sets signed and sealed by a Wyoming PE, which either say "*Final Plans for Construction*", or which say nothing about "*Bid Plans Not for Construction*".

**END OF REVIEW**

RLE/rm/13-0039



# Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 23, 2013

Jeffrey Pecenka  
City of Cheyenne Board of Public Utilities  
2416 Snyder Ave  
Cheyenne, WY 82001

RE: 2013 Sewer Lining Projects  
DEQ Permit #13-002  
Located in Laramie County, T14N, R66W; Lat. 104.776, Long 41.132

Dear Mr. Pecenka,

This project consists of the lining of existing sewers in various locations in the city of Cheyenne.

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 Sewage Collection System. Construction shall be completed by October 31, 2015

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](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 at 307-777-7088.

Sincerely,

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

xc: PDF to Cheyenne

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

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

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

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

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

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





# Department of Environmental Quality



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Matt Mead, Governor

John Corra, Director

## NOTIFICATION OF COVERAGE

January 23, 2013

Jeffrey Pecenka  
City of Cheyenne Board of Public Utilities  
2416 Snyder Ave  
Cheyenne, WY 82001

RE: 2013 Sewer Lining Projects - Part 2  
DEQ Permit #13-003  
Located in Laramie County, T14N, R66W; Lat. 104.776, Long 41.132

Dear Mr. Pecenka,

This project consists of the lining of existing sewers in various locations in the city of Cheyenne.

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 Sewage Collection System. Construction shall be completed by October 31, 2015

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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If you have any questions, please contact Hannes Stueckler at 307-335-6964 or Seth Tourney at 307-777-7088.

Sincerely,

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

xc: PDF to Cheyenne

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# Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

February 7, 2013

Converse County Board of Commissioners  
107 North 5<sup>th</sup>, Suite 114  
Douglas, WY 82633

RE: JDL Subdivision, Converse County  
WDEQ Application #13-004

Dear Commissioners:

The Wyoming Department of Environmental Quality has completed the review of the proposed JDL Subdivision located in Section 5, T31N, R72W, 6<sup>th</sup> P.M., in Converse County, Wyoming. The JDL Subdivision will create five (5) lots out of approximately 34.63 acres. The information was submitted by Weston Engineering, signed by Jerry Hunt, P.E, a Wyoming Licensed Engineer and Benjamin Jordan, P.G., a Wyoming Professional Geologist. This letter represents the recommendations of the Wyoming Department of Environmental Quality as required by W.S. 18-5-306(c).

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

The proposed sewage system for the subdivision is to have on-site gravity septic systems consisting of a septic tank and leachfield constructed to Wyoming Department of Environmental Quality, Water Quality Rules and Regulations and the standards established by the Converse County Office of Special Projects. All on-site wastewater construction must be permitted by either Converse County or the Wyoming DEQ / Water Quality Division. The information submitted addresses the safety and adequacy of the propose on-site sewage systems.

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

The proposed water system is the use of individual water supply wells completed on each lot. Each well must be permitted by and constructed to the Wyoming State Engineer's Office standards. The information submitted addresses the safety and adequacy of the proposed water system.

**Conclusions:**

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

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Converse County Board of Commissioners

February 7, 2013

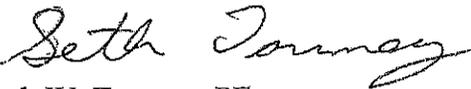
Page 2

**Disclaimer:**

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

Nothing in Department of Environmental Quality recommendations or comments regarding the Weston Engineering, LLC, proposal for the JDL Subdivision shall be construed to relieve Darrel and Linda Locke of the obligation to obtain any permits or additional approval from any local, state or federal agencies as required by law, rules, regulations, or ordinances. Nothing in these recommendations commits the Department of Environmental Quality or Converse County to the issuance of required permits for construction, operation, or modification of water supply or sewage systems.

Sincerely,



Seth W. Tourney, PE.  
Southeast District Engineer  
Water & Wastewater Program, Water Quality Division

SWT/ rm/13-0108

cc: Darrel and Linda Locke, P.O. Box 923, Douglas, Wyoming, 82633  
Jerry Hunt/Ben Jordan, Weston Engineering, 1050 North 3<sup>rd</sup> Street, Suite E, Laramie, Wyoming,  
82072  
Michael Ebsen, SEO

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO: 13-005

Meadowlark Trails Subdivision Lift Station, Sewer Main and Water Main Project

This permit hereby authorizes the applicant:

Jason M. Marcus, Manager  
Meadowlark Trails, LLC  
P.O. Box 783  
Douglas, WY 82633

to construct new 8-inch C900 DR-18 PVC water mains, 8-inch SDR 35 PVC gravity sewer mains, 4-inch DR-17 HDPE forced sewer main, and a sewage lift station, according to the procedures and conditions of the application number 13-005. The water and sewer mains within this project will be constructed along Eagle Drive, Shoshone Drive, and along River View Drive within the Meadowlark Trails Subdivision No. 2. This project is located at, Section 5, Township 32 North and Range 71 West in Converse County, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 31, 2015.

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

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

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

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

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

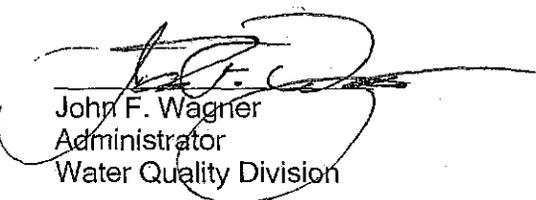
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

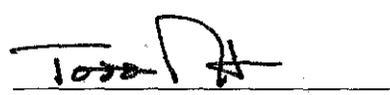
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

  
Todd Parfitt  
Director  
Department of Environmental Quality

3-11-13  
Date of Issuance

JSB/rm/13-0221

## STATEMENT OF BASIS

1. Permit Number: 13-005
2. Application reviewed for compliance with the following regulations:  
Chapters 3, 11, 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 James Brough, james.brough@wyo.gov, Northwest District Engineer and completed on February 13, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

xc: Lewis James, P.E., JKC Engineering, 5830 East 2<sup>nd</sup> Street, Casper, WY 82609

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# Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

February 13, 2013

### City of Laramie

Attn: Richard Elliott, Public Works Director  
P.O. Box C  
Laramie, WY 82073

RE: 2013 Alley Rehab. Project (SPT Phase 2 Schedule 9),  
Application No. 13-006, Albany County

Dear Mr. Elliott:

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 replacing approximately 910 lineal feet of 8-inch water main and **Existing Sewage Collection Systems** consisting of replacing approximately 910 lineal feet of 8-inch sanitary sewer main located in the Northwest ¼, Section 4, T15N, R73W, 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 **February 13, 2017**.

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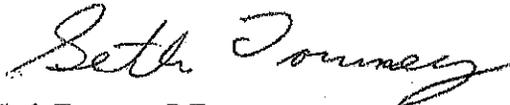
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[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Please reference Application No. **13-006** in any future correspondence.

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

Sincerely,



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

SWT/rm/13-0123

Enclosures: Certificate of Completion form

cc: IPS  
Larry Ketcham, City of Laramie, P.O. Box C, Laramie, Wyoming, 82073

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

Permit Number: 13-007  
Facility Number: WYS-005-00597  
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: Inexo Mobile Home Park  
Ms. Angela Bertalot  
2860 Bishop Road  
Gillette, WY 82718  
(307) 686-2777

Inexo Mobile Home Park, hereafter referred to as the permittee, is authorized to operate the septic system located in the NW<sup>1</sup>/<sub>4</sub> of the NW<sup>1</sup>/<sub>4</sub> of Section 22, Township 50 North, Range 72 West, of the 6<sup>th</sup> 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 25<sup>th</sup> Street  
Cheyenne, WY 82002

\_\_\_\_\_  
Date

\_\_\_\_\_  
Todd Parfitt, Director  
Department of Environmental Quality  
Herschler Building, 122 West 25<sup>th</sup> Street  
Cheyenne, WY 82002

\_\_\_\_\_  
Date

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### A. Discharge Zone

This injection facility (sanitary leachfield) is authorized to inject 1,470 gallons per day average (calculated as 60% of maximum) and 2,450 gallons per day maximum. 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 well authorized by this permit is located as follows:

NW¼ of the NW¼ of Section 22, Township 50 North, Range 72 West, of the 6<sup>th</sup> 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	2,450	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 a maximum of 2,450 gallons per day. The wastewater is produced from a seven (7) unit mobile home park. This facility's septic system consists of four (4) small leachfields and three (3) septic tanks located within a three (3) acre area. 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) <sup>4</sup>	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	4110 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 <sup>2</sup>	presence/absence test	9221 or 9222	Absent	24 hours / 4° C
	Only when coliform is positive	E. Coli	1103.1	9223	0 colonies/100mL	6 hours / 4° C
	Monthly	Total volume	Flow meter reading		5000 gpd	N/A
Septic Tank <sup>3</sup>	Annually	Sludge depth in tank (ft)	Visual		2 feet	N/A

**NOTES:**

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

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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 15<sup>th</sup>).

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: **13-007**
- B. Facilities Covered: Inexco 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 January 10, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis".

## 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 1,470 GALLONS PER DAY AND A MAXIMUM OF 2,450 GALLONS PER DAY OF WASTEWATER AND SEWAGE INTO FOUR (4) SMALL LEACHFIELDS.

PERMIT NUMBER: 13-007; PERMITTEE NAME: Angela Bertalot, 2860 Douglas Road, Gillette, WY 82718; PHONE: (307) 686-2777; FACILITY NAME AND LOCATION: Inexco Mobile Home Park, located in the NW<sup>1</sup>/<sub>4</sub> of the NW<sup>1</sup>/<sub>4</sub> of Section 22, Township 50 North, Range 72 West, of the 6<sup>th</sup> Principal Meridian, Campbell County, Wyoming (150 Inexco Drive, Gillette, WY).

The permit proposes to authorize the injection of an average of 1,470 gallons per day (gpd) and a maximum of 2,450 gpd of primary treated domestic waste into four (4) small existing leachfields. The leachfields receive domestic waste from seven (7) mobile homes. 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 install one (1) monitoring well down gradient of the leachfields within six (6) months of obtaining their permit and 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: Kathy Shreve, 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, 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 **13-007**

Publish on or before February 22, 2013 (The Gillette News 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

Todd Parfitt, Director

## CERTIFIED

February 19, 2013

Inexco Mobile Home Park  
Attn: Ms. Angela Bertalot  
2860 Bishop Road  
Gillette, WY 82718

RE: Inexco Mobile Home Park  
Draft Permit 13-007, New Class V Septic System Permit - Campbell County, Wyoming

Dear Ms. Bertalot:

Inexco Mobile Home Park has submitted an application to permit their existing septic system for the injection of domestic wastewater.

Wastewater is injected into the alluvial aquifer located in Section 22, T50N, R72W, Campbell County, Wyoming. The Wyoming Department of Environmental Quality (WDEQ) intends to issue an underground injection control permit for the facility. Please note that Inexco Mobile Home Park will be required to install at least one monitoring well downgradient of this facility's leachfields, perform periodic monitoring of the monitor well's water quality, and report this information to the UIC Program.

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

If you have any questions, feel free to contact me at (307) 777-6682 or [kathy.shreve@wyo.gov](mailto:kathy.shreve@wyo.gov). Comments should be submitted in writing to the UIC Program in the Water Quality Division within the next thirty (30) days.

Sincerely,

Kathy Shreve  
Wyoming Department of Environmental Quality  
Water Quality Division

KES/bb/13-0149  
Enclosure: Draft Permit

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

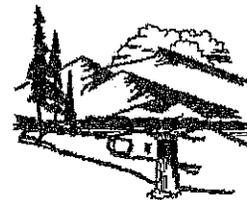
ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7156 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7152 FAX 777-5973	WATER QUALITY (307) 777-7181 FAX 777-5973
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# Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

## CERTIFIED

February 19, 2013

Mr. J. David Chase  
Chief, Reservoir Management Group  
Wyoming State Office  
2987 Prospector Drive  
Casper, Wyoming 82604

RE: Inexco Mobile Home Park  
Draft Permit 13-007, New Class V Septic System Permit  
Campbell County, Wyoming

Dear Mr. Chase:

Inexco Mobile Home Park has submitted an application to permit their existing septic system for the injection of domestic wastewater.

Wastewater is injected into the alluvial aquifer located in Section 22, T50N, R72W, Campbell County, Wyoming. The Wyoming Department of Environmental Quality (WDEQ) intends to issue an 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 <https://gem.wqd.apps.deq.wyoming.gov/>.

If you have any questions, feel free to contact me at (307) 777-6682 or [kathy.shreve@wyo.gov](mailto:kathy.shreve@wyo.gov). Comments should be submitted in writing to the UIC Program in the Water Quality Division within the next thirty (30) days.

Sincerely,

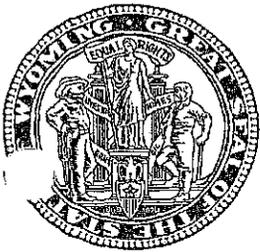
Kathy Shreve  
Wyoming Department of Environmental Quality  
Water Quality Division

KES/bb/13-0149

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

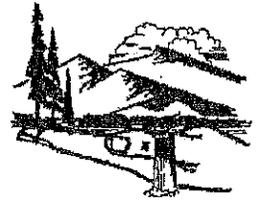
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# Department of Environmental Quality

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



Matthew H. Mead, Governor

Todd Parfitt, Director

February 19, 2013

Mr. Larry Claypool  
Deputy State Director, Minerals and Lands  
BLM-WY State Office  
5353 Yellowstone Road  
Cheyenne, WY 82003

RE: Inexco Mobile Home Park  
Draft Permit 13-007, New Class V Septic System Permit  
Campbell County, Wyoming

Dear Mr. Claypool:

Inexco Mobile Home Park has submitted an application to permit their existing septic system for the injection of domestic wastewater.

Wastewater is injected into the alluvial aquifer located in Section 22, T50N, R72W, Campbell County, Wyoming. The Wyoming Department of Environmental Quality (WDEQ) intends to issue an 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 <https://gem.wqd.apps.deq.wyoming.gov/>.

If you have any questions, feel free to contact me at (307) 777-6682 or [kathy.shreve@wyo.gov](mailto:kathy.shreve@wyo.gov). Comments should be submitted in writing to the UIC Program in the Water Quality Division within the next thirty (30) days.

Sincerely,

Kathy Shreve  
Wyoming Department of Environmental Quality  
Water Quality Division

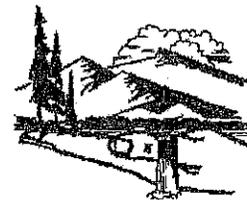
KES/bb/13-0149





# 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

## CERTIFIED

February 19, 2013

Campbell County Planner  
Attn: Ms. Megan Nelms  
500 South Gillette Ave. Suite 1400  
Gillette, WY 82716

RE: Inexco Mobile Home Park  
Draft Permit 13-007, New Class V Septic System Permit  
Campbell County, Wyoming

Dear Ms. Nelms:

Inexco Mobile Home Park has submitted an application to permit their existing septic system for the injection of domestic wastewater.

Wastewater is injected into the alluvial aquifer located in Section 22, T50N, R72W, Campbell County, Wyoming. The Wyoming Department of Environmental Quality (WDEQ) intends to issue an 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 <https://gem.wqd.apps.deq.wyoming.gov/>.

If you have any questions, feel free to contact me at (307) 777-6682 or [kathy.shreve@wyo.gov](mailto:kathy.shreve@wyo.gov). Comments should be submitted in writing to the UIC Program in the Water Quality Division within the next thirty (30) days.

Sincerely,

Kathy Shreve  
Wyoming Department of Environmental Quality  
Water Quality Division

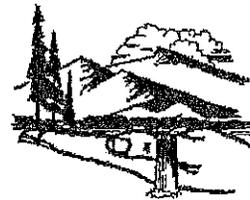
KES/bb/13-0149





# 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

## CERTIFIED

February 19, 2013

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

RE: Inexo Mobile Home Park  
Draft Permit 13-007, New Class V Septic System Permit  
Campbell County, Wyoming

Dear Ms. Cheung:

Inexo Mobile Home Park has submitted an application to permit their existing septic system for the injection of domestic wastewater.

Wastewater is injected into the alluvial aquifer located in Section 22, T50N, R72W, Campbell County, Wyoming. The Wyoming Department of Environmental Quality (WDEQ) intends to issue an 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 <https://gem.wqd.apps.deq.wyoming.gov/>.

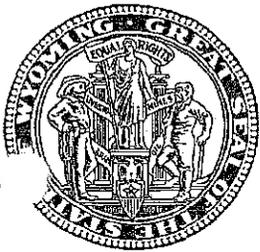
If you have any questions, feel free to contact me at (307) 777-6682 or [kathy.shreve@wyo.gov](mailto:kathy.shreve@wyo.gov). Comments should be submitted in writing to the UIC Program in the Water Quality Division within the next forty-five (45) days.

Sincerely,

Kathy Shreve  
Wyoming Department of Environmental Quality  
Water Quality Division

KES/bb/13-0149





# Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

February 19, 2013

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

RE: Inexco Mobile Home Park  
Draft Permit 13-007, New Class V Septic System Permit  
Campbell County, Wyoming

Dear Mr. Huber:

Inexco Mobile Home Park has submitted an application to permit their existing septic system for the injection of domestic wastewater.

Wastewater is injected into the alluvial aquifer located in Section 22, T50N, R72W, Campbell County, Wyoming. The Wyoming Department of Environmental Quality (WDEQ) intends to issue an 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 <https://gem.wqd.apps.deq.wyoming.gov/>.

If you have any questions, feel free to contact me at (307) 777-6682 or [kathy.shreve@wyo.gov](mailto:kathy.shreve@wyo.gov). Comments should be submitted in writing to the UIC Program in the Water Quality Division within the next thirty (30) days.

Sincerely,

Kathy Shreve  
Wyoming Department of Environmental Quality  
Water Quality Division

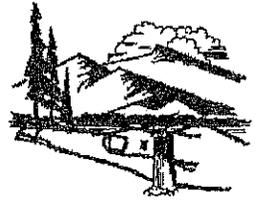
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# Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

## CERTIFIED

February 19, 2013

Shannon Anderson  
Powder River Basin Resource Council  
934 N. Main Street  
Sheridan, WY 82801

RE: Inexco Mobile Home Park  
Draft Permit 13-007, New Class V Septic System Permit  
Campbell County, Wyoming

Dear Ms. Anderson:

Inexco Mobile Home Park has submitted an application to permit their existing septic system for the injection of domestic wastewater.

Wastewater is injected into the alluvial aquifer located in Section 22, T50N, R72W, Campbell County, Wyoming. The Wyoming Department of Environmental Quality (WDEQ) intends to issue an 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 <https://gem.wqd.apps.deq.wyoming.gov/>.

If you have any questions, feel free to contact me at (307) 777-6682 or [kathy.shreve@wyo.gov](mailto:kathy.shreve@wyo.gov). Comments should be submitted in writing to the UIC Program in the Water Quality Division within the next thirty (30) days.

Sincerely,

Kathy Shreve  
Wyoming Department of Environmental Quality  
Water Quality Division

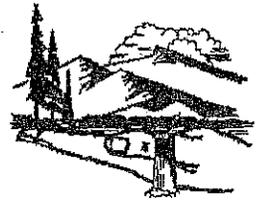
KES/bb/13-0149





# Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

February 19, 2013

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

RE: Inexco Mobile Home Park  
Draft Permit 13-007, New Class V Septic System Permit  
Campbell County, Wyoming

Dear Ms. Lindemann:

Inexco Mobile Home Park has submitted an application to permit their existing septic system for the injection of domestic wastewater.

Wastewater is injected into the alluvial aquifer located in Section 22, T50N, R72W, Campbell County, Wyoming. The Wyoming Department of Environmental Quality (WDEQ) intends to issue an 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 <https://gem.wqd.apps.deq.wyoming.gov/>.

If you have any questions, feel free to contact me at (307) 777-6682 or [kathy.shreve@wyo.gov](mailto:kathy.shreve@wyo.gov). Comments should be submitted in writing to the UIC Program in the Water Quality Division within the next thirty (30) days.

Sincerely,

Kathy Shreve  
Wyoming Department of Environmental Quality  
Water Quality Division

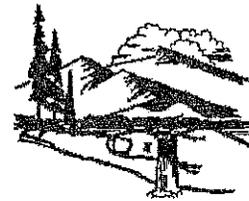
KES/bb/13-0149





# Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

February 19, 2013

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

RE: Inexco Mobile Home Park  
Draft Permit 13-007, New Class V Septic System Permit  
Campbell County, Wyoming

Dear Ms. Needles:

Inexco Mobile Home Park has submitted an application to permit their existing septic system for the injection of domestic wastewater.

Wastewater is injected into the alluvial aquifer located in Section 22, T50N, R72W, Campbell County, Wyoming. The Wyoming Department of Environmental Quality (WDEQ) intends to issue an 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 <https://gem.wqd.apps.deq.wyoming.gov/>.

If you have any questions, feel free to contact me at (307) 777-6682 or [kathy.shreve@wyo.gov](mailto:kathy.shreve@wyo.gov). Comments should be submitted in writing to the UIC Program in the Water Quality Division within the next thirty (30) days.

Sincerely,

Kathy Shreve  
Wyoming Department of Environmental Quality  
Water Quality Division

KES/bb/13-0149





# Department of Environmental Quality

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



Matthew H. Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

February 13, 2013

Gateway South, LLC  
Attn. R.C. Reiman, Manager  
PO Box 1007  
Cheyenne, WY 82003

RE: Sundance Apartments – Phase II, Water & Sewer Extensions,  
Application No. **13-010, Laramie County**

Dear Mr. Reiman:

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 1150 feet of 8" PVC, C-900, DR-14 waterline, three(3) gate valves, and five(5) new fire hydrants,** and Existing **Sewage Collection Systems consisting of approximately 1160 feet of 8" PVC sanitary sewer line, and 8 new manholes,** located in the **NW¼ of Section 8, 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 February 13, 2015.

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](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)  
Please reference Application No. **13-010** in any future correspondence.

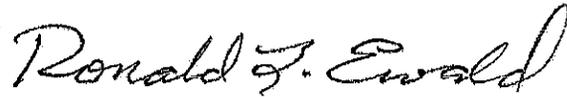
Herschler Building · 122 West 25th Street · Cheyenne, WY 82002 · <http://deq.state.wy.us>

ADMIN/OUTREACH	ABANDONED MINES	AIR QUALITY	INDUSTRIAL SITING	LAND QUALITY	SOLID & HAZ. WASTE	WATER QUALITY
(307) 777-7158	(307) 777-6145	(307) 777-7391	(307) 777-7369	(307) 777-7156	(307) 777-7152	(307) 777-7181
FAX 777-7682	FAX 777-6462	FAX 777-5616	FAX 777-5973	FAX 777-5864	FAX 777-5973	FAX 777-5973



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

Sincerely,



Ronald L. Ewald  
Assistant Southeast District Engineer  
Water Quality Division

RLE/bb/13-0119

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne  
Dena Hanson, Office Manager, South Cheyenne Water & Sewer District, 215 East  
Allison Road, Cheyenne, Wyoming 82007  
Lawrence R. Gallagher, Summit Engineering, LLC, 5907 Townsend Place,  
Cheyenne, Wyoming 82009



# Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

for

### AS-BUILT WATER DISTRIBUTION AND SEWER COLLECTION EXTENSIONS

January 29, 2013

City of Laramie

Attn: Katharine Trowbridge, Project Manager

P.O. Box C

Laramie, WY 82073

RE: SPT, Phase 1, Schedule 2,  
Application No. 13-009, Albany County

Dear Ms. Trowbridge:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems** consisting of replacing approximately 2,850 lineal feet of 8-inch water main, 1,230 of 12-inch water main and **Existing Sewage Collection Systems** consisting of replacing approximately 850 lineal feet of 12-inch sanitary sewer main located in the Southeast ¼, Section 4, T15N, R73W, Albany County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 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 January 28, 2017.

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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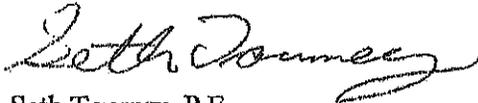
This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Please reference Application No. **13-009** in any future correspondence.

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

Sincerely,



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

SWT/rm/13-0071

Enclosures: Certificate of Completion form

cc: IPS  
John E. Garner, Farnsworth Group, 2310 E. Prospect Road, Suite B, Fort Collins, CO, 80525

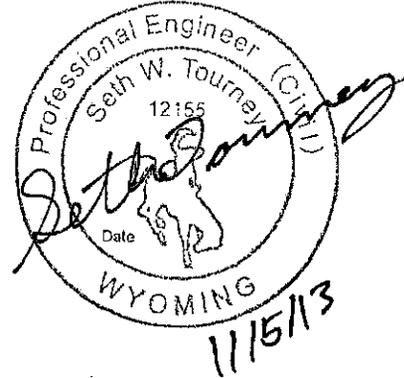
## REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: 2013 Alley Rehab Project (SPT Phase 2 Schedule 9)

ENGINEER: Larry Ketcham (City of Laramie)  
PO BOX C  
Laramie, WY 82073

APPLICANT: Richard Elliott (City of Laramie)  
PO BOX C  
Laramie, WY 82073



WATER QUALITY DIVISION REFERENCE NUMBER: 13-006  
REVIEWING ENGINEER: Seth W. Tourney  
DATE OF REVIEW: January 15, 2013

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

### COMMENTS, INADEQUACIES, AND QUESTIONS Design Report

1. The Design report refers to SPT standing for Special Purpose Tax; however, in a previous memorandum from the City of Laramie SPT stood for specific purpose tax. Please clarify whether this stands for specific or special.

#### Construction Plans

2. On Sheet SS-1, what is the size of the existing downstream sanitary sewer main at STA 0+34? Please ensure that the downstream sanitary sewer main are not decreasing in the downstream direction in accordance with Chapter 11 Section 9(c)(i)(E) of the Water Quality Rules and Regulations. Or provide a variance request with justification.

3. On Sheet SS-3, Manhole MH RF-3 appears to have a sanitary sewer service in the manhole. Indicate the additional connection elevation for the manhole section in the note for the manhole.

4. On Sheet SS-4 at STA 0+45, there is connection between VCP and PVC. Provide the existing sanitary sewer slope, and ensure that the sanitary sewer does not change slope at this location. Otherwise, provide a manhole in accordance with Chapter 11 Section 9(d)(i) of the Water Quality Rules and Regulations.

5. On Sheet SS-4 at STA 2+03, what is the size of the existing downstream sanitary sewer main at STA 0+34? Please ensure that the downstream sanitary sewer main are not decreasing in the downstream direction in accordance with Chapter 11 Section 9(c)(i)(E) of the Water Quality Rules and Regulations. Or provide a variance request with justification.

6. For the Sanitary Sewer, it appears that between STA 4+00 and 6+65 the sanitary sewer has shifted alignment. Please ensure that the proposed sanitary sewer main is deeper than the existing sanitary sewer main to ensure that the sanitary services from the south will be physically able to make their connection to the proposed main.

6. In the design report, it indicates that the water main will be installed at a minimum of 6 feet, and the construction plans indicate that the water main will be installed at depths of seven (7) to eight (8) feet. In a situation where separation requirements are an issue, lay the water main at the 6 foot depth to increase separation between the sanitary sewer main and water main.

7. On Sheets W-1 thru W-5, the slopes of the water main are labeled while the depth of the water main is not labeled. Please note that the industry standard for construction water main is based on depth to pipe rather than installing water main on grades. You may keep the pipe slopes if desired, but please label the pipe depths.

8. On Sheet W-5, there is a fire hydrant replacement. Please note that the neither plan view nor profile indicates that the 6-inch gate valve will be located on the 6-inch fire hydrant lead. Please indicate or draw a reference to the Standard Detail FH-3 on Sheet SD-7.

#### Specifications

9. In the Special Provisions for temporary water, please add clarification for following:

- a. Where will backflow prevention be required for the temporary water?
- b. Where will the temporary water be metered?
- c. It appears that the Fire Hydrant to be removed and replaced on Sheet W-5 at STA 0+49 will be out of service. Please add language requiring this fire hydrant to be covered in accordance with the City of Laramie Fire Department standards.

PROJECT: 2013 Alley Rehab Project (SPT Phase 2 Schedule 9)  
DATE OF REVIEW: January 15, 2013

10. In the Standard Drawings section, it indicates that the Standard Drawings governing this project shall be the City of Laramie Standard Details, revised February 2012.

Please note that the Standard Details referring to water and wastewater have not been reviewed and approved by DEQ. You have the three (3) following options:

- a. Submit a separate DEQ Application for the City of Laramie Standards (signed and sealed by a professional engineer) for DEQ approval. This project will be delayed for the review of entire Standard Details.
- b. Submit the pertinent standard details and specifications for water and wastewater for this project. These will need signed and sealed by a professional engineer) for approval.
- c. Refer the Wyoming Public Works Standard Specifications. Any modifications to these specifications need to be submitted with professional engineer seal and signature.

**END OF REVIEW**

SWT/rm/13-0040



# Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

January 17, 2013

### City of Laramie

Attn: Richard Elliott, Public Works Director  
P.O. Box C  
Laramie, Wyoming 82073

RE: 2011 Harney Street Rehab Project,  
Application No. 13-008, Albany County

Dear Mr. Elliott:

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 485 lineal feet of water main and appurtenances located in the **North ½, Sections 33, T16N, R73W, Albany County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, 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 January 17, 2018.

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

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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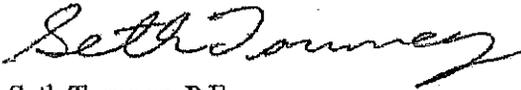
ADMIN/OUTREACH (307) 777-7158 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6482	AIR QUALITY (307) 777-7391 FAX 777-5619	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7766 FAX 777-5964	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5873
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Please reference Application No. 13-008 in any future correspondence.

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

Sincerely,



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

SWT/rm/13-0055

Enclosures: Certificate of Completion form

cc: IPS  
Cal Van Zee, City of Laramie, P.O. Box C, Laramie, Wyoming 82073  
Larry Ketcham, City of Laramie, P.O. Box C, Laramie, Wyoming 82073



# Department of Environmental Quality

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



Matthew H. Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

January 17, 2013

**Rick & Sherry Potter**  
2265 Tranquility Rd.  
Cheyenne, Wyoming 82009

RE: College Business Park, Phase III -- Water & Sewer Improvements,  
Application No. **13-011**, **Laramie County**

Dear Mr. & Mrs. Potter:

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 1300 feet of 8" PVC, C-900, DR-14 waterline, 6 gate valves, and 2 new fire hydrants, and Existing **Sewage Collection System** consisting of approximately 1250 feet of 8" sanitary sewer line, and 4 new manholes, located in a the **SE<sup>1</sup>/<sub>4</sub> of Section 27, 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, 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 January 17, 2015.

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](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 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5073	LAND QUALITY (307) 777-7756 FAX 777-5994	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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Please reference Application No. 13-011 in any future correspondence.

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

Sincerely,



Ronald L. Ewald  
Assistant Southeast District Engineer  
Water Quality Division

RLE/rm/13-0053

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne  
Lawrence R. Gallagher, Summit Engineering, LLC, 5907 Townsend Place,  
Cheyenne, Wyoming 82009  
Herman Noe, Cheyenne BOPU, Engineering Manager, P.O. Box 1469, Cheyenne,  
Wyoming 82003



## Department of Environmental Quality

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



Matthew H. Mead, Governor

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

Todd Parfitt, Director

### NOTIFICATION OF COVERAGE

January 16, 2013

Leroy Haiar  
159 Homestake Road  
Spearfish, SD 57783

RE: Fisher Industries Small Wastewater System  
Application No. 13-012, Crook County

Dear Mr. Haiar:

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 one Biodiffuser Standard unit trench of approximately 5 chambers, for a one bathroom commercial building located in the SE $\frac{1}{4}$ , Section 8, 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 25** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 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](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.
2. The bathroom must be signed indicating the water is not potable.

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





Rebecca Martinez &lt;rebecca.martinez@wyo.gov&gt;

**wd: Sanjel Acid Plant & Storage Building Project at Riverton, WY (DEQ #13-013)**

1 message

**James Brough** <james.brough@wyo.gov>  
 To: Rebecca Martinez <rebecca.martinez@wyo.gov>  
 Cc: Rich Cripe <rich.cripe@wyo.gov>

Mon, Feb 25, 2013 at 3:46 PM

Rebecca,

Below is an email review for DEQ #13-013 on January 14, 2013. Can you enter this into the permit tracking database? Thanks.

James S. Brough, P.E.  
 Northwest District Engineer  
 Water Quality Division  
 510 Meadowview Drive  
 Lander, WY 82520  
 307-335-6961 (office)  
 307-332-7726 (fax)  
 james.brough@wyo.gov

----- Forwarded message -----

From: **James Brough** <james.brough@wyo.gov>  
 Date: Mon, Jan 14, 2013 at 4:31 PM  
 Subject: Sanjel Acid Plant & Storage Building Project at Riverton, WY  
 To: Jun Yao <jun@rmes.biz>  
 Cc: "Dawn Willhelm (dwillhelm@rivertonwy.gov)" <dwillhelm@rivertonwy.gov>

Jun:

I started to review the submitted application package and I have a few questions for you.

1. What type of backflow prevention assembly will be installed on the 3-inch water main? Do we know if the facility will be classified as high or low risk with respect to backflow prevention?
2. I assume that 6-inch water service line will serve a fire suppression system. Will there be a backflow prevention assembly on this line?
3. On sheet C4.1, it appears that the sewer service line will transition from 1-14" inch pressure main to 4-inch gravity line that ties to an existing 8-inch sewer line just below an existing manhole. Why was the decision made not to route the force main directly to the sewer manhole?

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

510 Meadowview Drive  
 Lander, WY 82520  
 307-335-6961 (office)  
 307-332-7726 (fax)  
 james.brough@wyo.gov

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.



Rebecca Martinez &lt;rebecca.martinez@wyo.gov&gt;

**wd: Sanjel Acid Plant & Storage Building Project at Riverton, WY**

1 message

**James Brough** <james.brough@wyo.gov>  
 To: Rebecca Martinez <rebecca.martinez@wyo.gov>  
 Cc: Rich Cripe <rich.cripe@wyo.gov>

Mon, Feb 25, 2013 at 3:48 PM

Rebecca,

Below is a subsequent email for DEQ #13-013 that can be tracked.

----- Forwarded message -----

From: **James Brough** <james.brough@wyo.gov>  
 Date: Thu, Jan 17, 2013 at 10:31 AM  
 Subject: Re: Sanjel Acid Plant & Storage Building Project at Riverton, WY  
 To: Jun Yao <jun@rmes.biz>  
 Cc: "Dawn Willhelm (dwillhelm@rivertonwy.gov)" <dwillhelm@rivertonwy.gov>, Mitch <mitch@rmes.biz>

Jun:

I have a few follow-up question or comments.

1. For item 1, you mentioned that the new facility will be classified as high hazard (e.g., possibility of back siphonage of a hazardous chemical). Do you know the specifics as to why this facility would be classified as high hazard? Also double check valve assembly is rated for only for low hazard facilities. A Reduced Pressure Principle Backflow Preventer is rated for high hazard, however, it cannot be installed in a below grade fault because it has a dump port that must be above any flood rim.
2. We discussed the fire suppression system briefly, if the fire suppression system will use the chemical ethylene glycol then it would be classified as a high hazard system and would also require a backflow preventer like a reduced pressure principle backflow preventer.
3. Do you know if there are any maintenance and replacement plans for the E-One Grinder Pump if it temporary needs service or replacement. I do understand that the E-One Grinder pump has had a good operating track record.

James S. Brough, P.E.  
 Northwest District Engineer  
 Water Quality Division  
 510 Meadowview Drive  
 Lander, WY 82520  
 307-335-6961 (office)  
 307-332-7726 (fax)  
 james.brough@wyo.gov

On Wed, Jan 16, 2013 at 3:51 PM, Jun Yao &lt;jun@rmes.biz&gt; wrote:

James,

We have reviewed our design plan and consulted with the utility engineer of City of Riverton to answer your questions as follows:

1. What type of backflow prevention assembly will be installed on the 3-inch water main? Do we know if the facility will be classified as high or low risk with respect to backflow prevention?

A: The backflow prevention assembly to be installed on the 3-inch water main is Febco 850 inline double check valve assembly. The facility will be classified as high hazard.

2. I assume that 6-inch water service line will serve a fire suppression system. Will there be a backflow

prevention assembly on this line?

A: Yes, a 6-inch waterline will serve a fire suppression system and a backflow prevention assembly will be installed on this line in the building by the contractor as required.

3. On sheet C4.1, it appears that the sewer service line will transition from 1-14" inch pressure main to 4-inch gravity line that ties to an existing 8-inch sewer line just below an existing manhole. Why was the decision made not to route the force main directly to the sewer manhole?

A: Normally, we do not connect private service lines directly into a public manhole. We have designed the service line in the past with this type of connection to release accumulated air and help in cleaning of the pipe and it has worked effectively.

Please let us know if you have any further questions.

Sincerely,

Jun



**Jun Yao, Ph.D., P.E.**  
*Director, Environmental Engineering Division*

- jun@rmes.biz
- (208) 234-0110
- (208) 317-0118
- www.rmes.biz

On Mon, Jan 14, 2013 at 4:31 PM, James Brough <james.brough@wyo.gov> wrote:

Jun:

I started to review the submitted application package and I have a few questions for you.

1. What type of blackflow prevention assembly will be installed on the 3-inch water main? Do we know if the facility will be classified as high or low risk with respect to backflow prevention?
2. I assume that 6-inch water service line will serve a fire suppression system. Will there be a backflow prevention assembly on this line?
3. On sheet C4.1, it appears that the sewer service line will transition from 1-14" inch pressure main to 4-inch gravity line that ties to an existing 8-inch sewer line just below an existing manhole. Why was the decision made not to route the force main directly to the sewer manhole?

--

E-Mail to and from me in connection with the transaction



# Department of Environmental Quality



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

Matt Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

March 5, 2013

John Milino, Vice President  
701, 505-2st. SW  
Calgary, AB, Canada T2PIN8

RE: Sanjel Acid Plant Water and Sewer Service Lines Project, Permit Number: 13-013, Section 19, T. 1 N., R. 42 E., Wind River Meridian, Fremont County

Dear Mr. Milino:

This project involves installing more than 500 linear feet of 6-inch water line main and 3-inch water main with a meter and backflow preventer assembly. This project also involves installing a small package grinder pump, 672 linear feet of 1-1/4 inch pressure sewer main and cleanouts. Both utilities will serve an acid plant and storage building that houses 10 employees. This application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11, Section 9, and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct, the facilities in accordance with the general permits and 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](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

xc: C.Dawn Wilhelm, City of Riverton, 816 N. Federal, Riverton, WY 82501  
J. Mitchell Greer, RMBS, 2043 E. Center, Pocatello, ID 83201  
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





## Department of Environmental Quality

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Matthew H. Mead, Governor

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

Todd Parfitt, Director

### NOTIFICATION OF COVERAGE

January 28, 2013

Greg Fink  
546 Cabin Creek Road  
Carlisle, WY 82721

RE: Fink Small Wastewater System  
Application No. 13-014, Crook County

Dear Mr. Fink:

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 80 feet each, for a three bedroom home located in the SE¼, Section 27, Township 52N, Range 67W, Crook County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 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](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Additionally, the following permit condition applies:

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

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

Sincerely,

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

cc: IPS, Cheyenne  
WDEQ Casper File  
Tim Lyons, Crook County Growth and Development  
Tri-City Excavation, Inc., 169 Thorn Divide Road, Carlisle, WY 82721

Cheyenne  
122 West 25<sup>th</sup> Street 82002  
(307) 777-7937

Lander  
510 Meadowview Drive 82520  
(307) 332-3144

Sheridan  
2100 W. 5<sup>th</sup> Street 82801  
(307) 673-9337





# Department of Environmental Quality



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

Matt Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

January 17, 2013

William Malloy, Mayor  
Town of Thermopolis  
P.O. Box 603  
Thermopolis, WY 82443

RE: Broadway East Treated Waterline Phase II Replacement Project, Permit Number: 13-015, S ½, Section 36, T. 43 N., R. 95 W., Hot Springs County

Dear Mayor Malloy:

This project involves installing approximately 1250 linear feet of 12-inch PVC replacement water main along Broadway Street and 880 linear feet of 8-inch PVC replacement water main along 2<sup>nd</sup> Street. This project also involves an encased bore below railroad tracks and horizontal direction drilling below the Big Horn River. This application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

A variance was requested from Chapter 12, Section 14(h)(ii)(B) which requires that the valve closest to the supply source be located in a manhole. DEQ understands that the water main crossing the Big Horn River could be accessed with a leakage test via a vault on the east side of the river that houses East Thermopolis master meter. DEQ hereby grants a variance to Chapter 12, Section 14(h)(ii)(B).

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

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

xc: Anthony Barnett, P.E., Engineering Associates, 429 Broadway, Thermopolis, WY 82443  
PDF to Cheyenne

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ABANDONED MINES  
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FAX 332-7726

AIR QUALITY  
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FAX 332-7726

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

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

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





# Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

January 17, 2013

William Malloy, Mayor  
Town of Thermopolis  
P.O. Box 603  
Thermopolis, WY 82443

RE: 14<sup>th</sup> Street Treated Waterline Phase II Replacement Project, Permit Number: 13-016, N 1/2, Section 2, T. 42 N., R. 95 W., Hot Springs County

Dear Mayor Malloy:

This project involves installing approximately 4,200 linear feet of 12-inch, 8-inch and 6-inch PVC replacement water main along 14th Street and connecting side streets. This application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct, the facilities in accordance with the general permits and 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](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

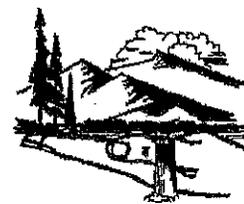
xc: Anthony Barnett, P.E., Engineering Associates, 429 Broadway, Thermopolis, WY 82443  
PDF to Cheyenne





# Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

March 6, 2013

**CERTIFIED**

Ciris Energy Inc.  
Phil Thayer  
Director of ISBC  
9155 East Nichols Avenue, Suite 200  
Centennial, CO 80 112

RE: Ciris Energy ISBC Buffalo Project  
UIC 13-018, 5F2 Miscellaneous Facility  
Class V Injection Well Application, Campbell County

Dear Mr. Thayer:

Attached are 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 December 24, 2012. Additional information was submitted on January 14, 2013. Therefore the WDEQ has until March 8, 2013 to make an initial determination of completeness (60 days). 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(h), 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 feel free to contact me at (307) 777-8275 should you have any questions related to these comments or the application and review process.

Sincerely,

Nicole Twing, P.G.  
Project Geologist  
Wyoming Department of Environmental Quality  
Water Quality Division  
nicole.twing@wyo.gov  
(307) 777-8275  
NT/KS/rm/13-0205

Cc: John Passchl, WDEQ

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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**UNDERGROUND INJECTION CONTROL PROGRAM  
REVIEW:**

*WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002  
307-777-7781*

---

**PROJECT:** Class V Application 13-018 Area Permit Ciris Energy Buffalo ISBC Project

**LOCATION:** Section 11, Township 41 North, Range 75 West, Campbell County

**APPLICANT:** Brian Auit, ISBC Project Manager  
Ciris Energy, Inc.  
9155 East Nichols Avenue, Suite 200  
Centennial, CO 80112

**OWNER:** Ciris Energy, Inc.

**CONSULTING GEOLOGIST:** Jeffrey Moore, Wyoming P. G. Number 3554

**CONSULTING ENGINEER:** Francis Robert McGregor, Wyoming P. E. Number 10211

**TITLE:** "Ciris Energy Inc. Buffalo Project UIC Class V Area Permit Application"

**DATE ON APPLICATION:** December 20, 2012

**DATE RECEIVED BY WDEQ:** December 24, 2012

**WDEQ REVIEWER FOR THIS REVIEW:** Nicole Twing

**DATE OF THIS REVIEW:** March 6, 2013

## COMMENTS:

1. What is the proposed time period between the start of Phase I and Phase II? In other words, how long will Phase I be going before Phase II can begin?
2. Section E of the permit application (pages 6 through 8) talk about filling dewatered section of the coal seam. There are calculations for distance to the production well and to the edge of the area of review. What is specifically being requested here? Does the applicant want to inject fill-up water until the mound hits the production well or the area of review? Additionally, the Phase II fill-up calculation needs to subtract the water applied in Phase I.
3. Are the existing CBM wells within the project area going to be used for monitoring or not? The application says they "may be used for monitoring". What does this mean? What will influence a decision either way? Would the data from these wells be useful to WDEQ?
4. Will there be any use for well 18J after cessation of Phase I?
5. The requested maximum surface injection pressure of 150 psi will approach the fracture gradient of 0.65 psi/ft at depths of 690 feet or shallower. The top of any injection zone must be deeper than 690 feet to allow this injection pressure.
6. Figures 6-2a and 6-2b need a description of the red boxes added to the caption. This is also true for figures 10-2a and 10-2b.
7. VOCs and SVOCs need to be added to the monitoring plan. This should mirror the monitoring requirements of permit 12-002.
8. Need a figure that outlines the wells and outfall in Table 5-1. Are the well names different than in the rest of the application?
9. Attachment E simulation results: In Figure 2, why does the model gas rate have the rapid highs and lows that the actual gas rate does not have? What is it in the model that makes this parameter appear so sensitive?
10. In the section describing the monitoring plan, there is no discussion of what will be done with the Investigation Derived Waste (IDW). Please call out how IDW will be handled. This is also missing from Attachment F, Waste Analysis Plan, and Attachment G, Sampling and Analysis Plan.
11. Please clarify what parameters will be analyzed for to determine water quality from wells used to produce 'make-up' water. What volume of 'make-up' water is anticipated being needed?

**STATEMENT OF BASIS FOR A UIC PERMIT**

I. General information.

- A. UIC Permit Number: **13-018**
- B. Facilities Covered: Ciris Energy Inc. Buffalo Project
- C. Class of Facility: Class V (Wyoming Water Quality Rules and Regulations, Chapter 16)

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

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

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

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

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

Not Applicable

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

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

VI. Documentation of Statement of Basis.

- A. The archive 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 January 22, 2014 and ending on February 20, 2014 (30 day notice as required by Wyoming Water Quality Rules and Regulations, Chapter 16). This notice was published in the Gillette News Record on or before the start of the public comment period.

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6. This review was performed by Kathy E. Shreve Environmental Program Principal, completed on January 14, 2014. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis".

## 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. THE PERMIT IS FOR THE INJECTION OF COAL BED METHANE PRODUCED WATER INTO FIVE (5) WELLS ALLOWING A MAXIMUM DISPOSAL OF 0.588 MILLION GALLONS PER DAY (MGD) OR 14,000 BARRELS PER DAY.

PERMIT NUMBER: **13-018**; PERMITTEE NAME: Ciris Energy Inc., 9155 East Nichols Ave., Suite 200, Centennial, CO 80112; PHONE: (303) 649-2000; FACILITY NAME AND LOCATION: Ciris Energy Inc; Buffalo Project located in Sections 11 and 12, Township 41 North, Range 75 West, Sixth Principal Meridian, Campbell County, Wyoming.

This permit proposes to authorize the injection of coal bed methane (CBM) produced water into five (5) CBM wells in order to enhance methane production. The permittee will be allowed to inject a maximum of 14,000 barrels per day. The injectate will consist of produced water from the Big George coal seam, and periodic "nutrient enhancements". The nutrient enhancements consist of food grade additives designed to support and enhance microbial methanogenesis. The receiving geologic formation is the Big George coal seam. The groundwater in the Big George coal seam of the Fort Union Formation is classified as Class II by chemistry according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the baseline groundwater chemistry of the Big George coal seam in the project area is indicative of Class II groundwater quality according to "*Wyoming Water Quality Rules and Regulations, Chapter 8, Table 1*". Groundwater of Class II shall not be degraded to make it unusable as a source of water for this purpose.

The proposed permit requires that the permittee monitor the injection and groundwater quality from CBM wells 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 may be mailed to: Wyoming Department of Environmental Quality, Water Quality Division, John Passehl., Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; or by FAX to (307) 777-7610. All comments received at or prior to February 20, 2014 will be considered.

**Public Notice 13-018**

**Publish on or before January 22, 2014 in the (Gillette News 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

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

February 12, 2013

### Cheyenne Board of Public Utilities

Attn: Herman Noe, Manager of Engineering  
2406 Snyder Avenue  
Cheyenne, Wyoming 82001

RE: East Pershing Blvd./19th Street/Converse Avenue Intersection Project,  
Application No. **13-019**, Laramie County

Dear Mr. Noe:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems consisting of replacing 8-inch, 12-inch, and 20-inch water mains, located in the **Southwest 1/2, Section 29, 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, 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 February 12, 2017.

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7156 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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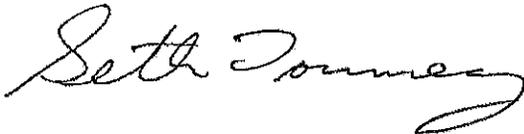
This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Please reference Application No. **13-019** in any future correspondence.

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

Sincerely,

A handwritten signature in cursive script that reads "Seth Tourney". The signature is written in black ink and is positioned above the typed name and title.

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

SWT/bb/13-0116

Enclosures: Certificate of Completion form

cc: IPS  
Chris Pletcher, Ayres Associates, 214 W. Lincolnway, Suite 22, Cheyenne, WY, 82001



# Department of Environmental Quality

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



Matthew H. Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

March 15, 2013

### Town of Glenrock

Attn: Dave Andrews, Public Utilities Director  
P.O. Box 417  
Glenrock, Wyoming 82637

RE: Town of Glenrock Sanitary Sewer Replacement – Fir and Elk Streets  
Application No. 13-020, Converse County

Dear Mr. Andrews:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate Extensions to or Modifications of Existing Public Sewage Collection Systems consisting of replacing 6 and 8 inch VCP for approximately 2, 800 lineal feet with 8-inch PVC located in the **Section 5, T33N, R75W, Converse County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, 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 **March 15, 2018**.

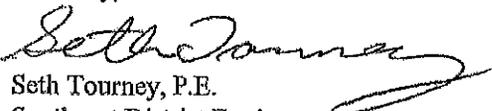
This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

[http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

Please reference Application No. 13-020 in any future correspondence.

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

Sincerely,

  
Seth Tourney, P.E.  
Southeast District Engineer  
Water Quality Division  
SWT/rm/13-0255

Enclosures: Certificate of Completion form

cc: IPS

Robert Bennett, Civil Engineering Professionals, Inc., 6080 enterprise Drive, Casper, Wyoming, 82609

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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STATE OF WYOMING  
DEPARTMENT OF ENVIRONMENTAL QUALITY  
UNDERGROUND INJECTION CONTROL PERMIT ISSUED UNDER  
WYOMING WATER QUALITY RULES AND REGULATIONS  
CHAPTER 16

CLASS V INJECTION WELL

( ) New  
(X) Modified

Permit Number **13-021**  
Facility Number: WYS-039-030  
State Subclass: 5E3  
Previous Permit: 10-111

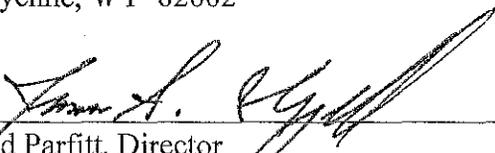
In compliance with the Wyoming Environmental Quality act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a)(iv), Laws 1973, Ch. 250, Section 1) and Wyoming Water Quality Rules and Regulations, Chapter 16.

Applicant: Snake River RV Park  
Camp On, Inc.  
Attn: Mr. Hugh 'Bud' Chatham  
9705 S US Highway 89  
Jackson, WY 83001  
(307) 733-7078

Camp On, Inc., hereafter referred to as the permittee, is authorized to continue operating the septic systems located at the Snake River RV Park in SW1/4 of the NW1/4 of the SE1/4 of Section 14, Township 39 North, Range 116 West Teton County. The permittee is allowed to operate the facility according to the procedures, conditions of application 13-021, including the conditions and requirements of this permit. This permit shall become effective on date of issuance and is valid for ten (10) years.

  
\_\_\_\_\_  
Kevin Frederick, Administrator  
Water Quality Division  
Herschler Building, 122 West 25<sup>th</sup> Street  
Cheyenne, WY 82002

6-13-13  
Date

  
\_\_\_\_\_  
Todd Parfitt, Director  
Department of Environmental Quality  
Herschler Building, 122 West 25<sup>th</sup> Street  
Cheyenne, WY 82002

6/13/13  
Date

NT/rm/13-0522

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### A. Discharge Zone

The injection facility (sanitary leachfields) is authorized to inject an average of 10,595 gallons per day (calculated as 60% of maximum), and a maximum of 17,658 gallons per day combined total from 4 sanitary leachfields servicing two restroom/bathhouses that will provide facilities for 26 unsewered tent sites and seventeen camping cabins, a laundry facility, a lodge, 44 sewered recreational park trailer sites, and 14 sewered recreational vehicle sites. The primary treated wastewater is injected into the sand and gravel alluvial aquifer adjacent to the Snake River. Depth to groundwater in the vicinity of the leach field is approximately twenty (20) ft, based on nearby well information.

### B. Well and Area of Review

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

SW ¼ of the NW ¼ of the SE1/4 of Section 14, Township 39 North, Range 116 West of the 6<sup>th</sup> Principal Meridian, Teton 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	17,658	GPD
Thickness of Receiver	46	Feet
Area of Review	360	Acres
Hydraulic Conductivity	6	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 is suitable for domestic use and 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 leachfields W, X and Z. This pressure is controlled by gravity drainage and is not required to be monitored. The operator is authorized to inject at a rate of no more than 79 gpm at 23 ft head as measured at the lift station for leachfield Y. The permittee is authorized to inject an average of 10,595 gallons per day and a maximum of 17,658 gallons per day. The wastewater is produced from a seasonal RV park that services two restroom/bathhouses that will provide

facilities for 26 unsewered tent sites and seventeen camping cabins, a laundry facility, a lodge, 44 sewered recreational park trailer sites, and 14 sewered recreational vehicle sites. The wastewater is injected into the unconfined alluvial aquifer. The wastewater is described as primary treated domestic sewage from four septic systems.

If additional sewage flows are added beyond those identified in the permit application, the permittee must submit a revised application and receive a new permit prior to addition/modification of the leach field(s) or treatment system(s).

#### **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 Waters 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 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.
10. Improvements to the septic systems on the property as detailed in the permit application, shall be completed before December 2014.

## I. Requirements for Monitoring Waters of the State

Due to the proximity of the facility in relation to the Snake River, surface water samples from the Snake River will be collected in addition to samples from the onsite monitoring well. The following parameters shall be analyzed according to the schedule identified in Table 2, 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 <sup>1</sup>	HOLD TIME & TEMPERATURE
Upgradient Surface Water Sample	Semi-Annually (January-June and July-December)	Ammonia as N	350.1	SM 4500-NH <sub>3</sub>	None	28 days / 4° C
		Nitrate-Nitrite as N	300.0; 353.1; 353.2; or 353.3	4500-NO <sub>3</sub> or 4110	None	28 days / 4° C
		Chloride	300.0; 300.1; or 353.2	4110 B, 4140 B, or 4500-Cl	None	28 days / no specified temperature
Downgradient Surface Water Samples (2)	Semi-Annually (January-June and July-December)	Ammonia as N	350.1	SM 4500-NH <sub>3</sub>	10 mg/L	28 days / 4° C
		Nitrate-Nitrite as N	300.0; 353.1; 353.2; or 353.3	4500-NO <sub>3</sub> or 4110	10 mg/L	28 days / 4° C
		Chloride	300.0; 300.1; or 353.2	4110 B, 4140 B, or 4500-Cl	230 mg/L	28 days / no specified temperature
Monitoring Well (MW-1)	Semi-Annually (January-June and July-December)	Ammonia as N	350.1	SM 4500-NH <sub>3</sub>	0.50 mg/L	28 days / 4° C
		Nitrate-Nitrite as N	300.0; 353.1; 353.2; or 353.3	4500-NO <sub>3</sub> or 4110	10 mg/L	28 days / 4° C
		Chloride	300.0; 300.1; or 353.2	4110 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.
	Only when coliform is positive	Total Coliform <sup>2</sup>	presence/absence test	9221 or 9222	Absent	24 hours / 4° C
Septic Tanks <sup>3</sup>	Monthly	Total volume	Flow meter reading		17,658 gpd	N/A
	Annually	Sludge depth in tank (ft)	Visual		2 feet	N/A

### NOTES:

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

<sup>2</sup> 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.

<sup>3</sup> The septic tanks serving the Snake River RV Park are 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.

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

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-**



# 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

June 12, 2013

Hugh Chatham  
Snake River RV Park  
9705 S US Highway 89  
Jackson, WY 83001-8809

RE: Snake River RV Park, WYS-039-030  
Draft Permit 13-021, Class V Septic System Permit Modification  
Teton County, Wyoming

Dear Mr. Chatham:

Attached please find one copy of the Class V septic system permit for the facility referenced above, comments received by the permittee have been incorporated into the final permit. The permit requires semiannual sampling of surface water and monitoring well MW-1, and annual reporting of these results to the UIC Program. This permit also requires annual inspection and periodic pumping of the septic tanks. The corresponding report forms can be filled out using our on-line webform (Monitor Reports Link), or you may have the lab submit them using Electronic Data Deliverable (EDD) at the following site: <https://gem.trihydro.com>. For your convenience, the Wyoming Department of Environmental Quality (WDEQ) has printed the inspection forms and enclosed them in this mailing, you may use the paper forms to report your inspection and monitoring activities to WDEQ. Please use the exact well names used in your permit when reporting data to avoid any miscommunications.

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 effects caused by exposures to toxic substances and water borne pathogens. Your cooperation with our program is sincerely appreciated.

If you have any questions please do not hesitate to contact me at the below referenced phone number or email.

Sincerely,

Nicole Twing, P.G.  
Wyoming Department of Environmental Quality  
Project Geologist  
Water Quality Division  
NT/rm/13-0522

Enclosure: Draft Permit

cc: John Passehl, WDEQ-Cheyenne  
Nelson Engineering, Attn: Robert Norton P.E., PO Box 1599, Jackson, WY 83001



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

CLASS V INJECTION WELL

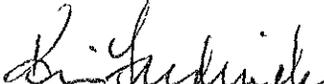
( ) New  
(X) Modified

Permit Number **13-021**  
Facility Number: WYS-039-030  
State Subclass: 5E3  
Previous Permit: 10-111

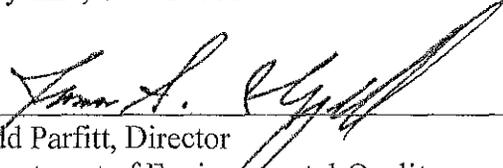
In compliance with the Wyoming Environmental Quality act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through 301 (a)(iv), Laws 1973, Ch. 250, Section 1) and Wyoming Water Quality Rules and Regulations, Chapter 16.

Applicant: Snake River RV Park  
Camp On, Inc.  
Attn: Mr. Hugh 'Bud' Chatham  
9705 S US Highway 89  
Jackson, WY 83001  
(307) 733-7078

Camp On, Inc., hereafter referred to as the permittee, is authorized to continue operating the septic systems located at the Snake River RV Park in SW1/4 of the NW1/4 of the SE1/4 of Section 14, Township 39 North, Range 116 West Teton County. The permittee is allowed to operate the facility according to the procedures, conditions of application 13-021, including the conditions and requirements of this permit. This permit shall become effective on date of issuance and is valid for ten (10) years.

  
\_\_\_\_\_  
Kevin Frederick, Administrator  
Water Quality Division  
Herschler Building, 122 West 25<sup>th</sup> Street  
Cheyenne, WY 82002

6-13-13  
Date

  
\_\_\_\_\_  
Todd Parfitt, Director  
Department of Environmental Quality  
Herschler Building, 122 West 25<sup>th</sup> Street  
Cheyenne, WY 82002

6/13/13  
Date

NT/rm/13-0522

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### A. Discharge Zone

The injection facility (sanitary leachfields) is authorized to inject an average of 10,595 gallons per day (calculated as 60% of maximum), and a maximum of 17,658 gallons per day combined total from 4 sanitary leachfields servicing two restroom/bathhouses that will provide facilities for 26 unsewered tent sites and seventeen camping cabins, a laundry facility, a lodge, 44 sewer recreational park trailer sites, and 14 sewer recreational vehicle sites. The primary treated wastewater is injected into the sand and gravel alluvial aquifer adjacent to the Snake River. Depth to groundwater in the vicinity of the leach field is approximately twenty (20) ft, based on nearby well information.

### B. Well and Area of Review

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

SW ¼ of the NW ¼ of the SE1/4 of Section 14, Township 39 North, Range 116 West of the 6<sup>th</sup> Principal Meridian, Teton 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	17,658	GPD
Thickness of Receiver	46	Feet
Area of Review	360	Acres
Hydraulic Conductivity	6	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 is suitable for domestic use and 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 leachfields W, X and Z. This pressure is controlled by gravity drainage and is not required to be monitored. The operator is authorized to inject at a rate of no more than 79 gpm at 23 ft head as measured at the lift station for leachfield Y. The permittee is authorized to inject an average of 10,595 gallons per day and a maximum of 17,658 gallons per day. The wastewater is produced from a seasonal RV park that services two restroom/bathhouses that will provide

facilities for 26 unsewered tent sites and seventeen camping cabins, a laundry facility, a lodge, 44 sewered recreational park trailer sites, and 14 sewered recreational vehicle sites. The wastewater is injected into the unconfined alluvial aquifer. The wastewater is described as primary treated domestic sewage from four septic systems.

If additional sewage flows are added beyond those identified in the permit application, the permittee must submit a revised application and receive a new permit prior to addition/modification of the leach field(s) or treatment system(s).

#### **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 Waters 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 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.
10. Improvements to the septic systems on the property as detailed in the permit application, shall be completed before December 2014.

## I. Requirements for Monitoring Waters of the State

Due to the proximity of the facility in relation to the Snake River, surface water samples from the Snake River will be collected in addition to samples from the onsite monitoring well. The following parameters shall be analyzed according to the schedule identified in Table 2, and reported annually.

**Table 2 (Annual Groundwater Monitoring Schedule)**

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	EPA METHOD	STANDARD METHOD	PERMIT LIMIT or UCLI	HOLD TIME & TEMPERATURE
Upgradient Surface Water Sample	Semi-Annually (January-June and July-December)	Ammonia as N	350.1	SM 4500-NH3	None	28 days / 4° C
		Nitrate-Nitrite as N	300.0; 353.1; 353.2; or 353.3	4500-NO3 or 4110	None	28 days / 4° C
		Chloride	300.0; 300.1; or 353.2	4110 B, 4140 B, or 4500-Cl	None	28 days / no specified temperature
Downgradient Surface Water Samples (2)	Semi-Annually (January-June and July-December)	Ammonia as N	350.1	SM 4500-NH3	10 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	4110 B, 4140 B, or 4500-Cl	230 mg/L	28 days / no specified temperature
Monitoring Well (MW-1)	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	4110 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.
	Only when coliform is positive	Total Coliform <sup>2</sup>	presence/absence test	9221 or 9222	Absent	24 hours / 4° C
Septic Tanks <sup>3</sup>	Monthly	Total volume	Flow meter reading		17,658 gpd	N/A
	Annually	Sludge depth in tank (ft)	Visual		2 feet	N/A

### NOTES:

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

<sup>2</sup> 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.

<sup>3</sup> The septic tanks serving the Snake River RV Park are 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.

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

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 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

Todd Parfitt, Director

June 12, 2013

Hugh Chatham  
Snake River RV Park  
9705 S US Highway 89  
Jackson, WY 83001-8809

RE: Snake River RV Park, WYS-039-030  
Draft Permit 13-021, Class V Septic System Permit Modification  
Teton County, Wyoming

Dear Mr. Chatham:

Attached please find one copy of the Class V septic system permit for the facility referenced above, comments received by the permittee have been incorporated into the final permit. The permit requires semiannual sampling of surface water and monitoring well MW-1, and annual reporting of these results to the UIC Program. This permit also requires annual inspection and periodic pumping of the septic tanks. The corresponding report forms can be filled out using our on-line webform (Monitor Reports Link), or you may have the lab submit them using Electronic Data Deliverable (EDD) at the following site: <https://gem.trihydro.com>. For your convenience, the Wyoming Department of Environmental Quality (WDEQ) has printed the inspection forms and enclosed them in this mailing, you may use the paper forms to report your inspection and monitoring activities to WDEQ. Please use the exact well names used in your permit when reporting data to avoid any miscommunications.

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 effects caused by exposures to toxic substances and water borne pathogens. Your cooperation with our program is sincerely appreciated.

If you have any questions please do not hesitate to contact me at the below referenced phone number or email.

Sincerely,

Nicole Twing, P.G.  
Wyoming Department of Environmental Quality  
Project Geologist  
Water Quality Division  
NT/rm/13-0522

Enclosure: Draft Permit

cc: John Passehl, WDEQ-Cheyenne  
Nelson Engineering, Attn: Robert Norton P.E., PO Box 1599, Jackson, WY 83001





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Matthew H. Mead, Governor

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

Todd Parfitt, Director

### NOTIFICATION OF COVERAGE

March 11, 2013

Matt Ramey  
Johnson County School District Number 1  
601 West Lott Street  
Buffalo, WY 82834

RE: Cloud Peak Elementary School - Conrad Street Gravity Sanitary Sewer Main, Permit No. 13-022  
City of Buffalo, WY, Johnson County, WY

Dear Mr. Ramey:

The above application for coverage under General Permits to Construct the extension of a Public Sewage Collection System, to provide for the installation of approximately 522 lineal feet of 8" gravity sanitary sewer main and one sanitary sewer manhole, to service the new Cloud Peak Elementary School in Buffalo, WY, in accordance with Chapter 3, Section 7 and Chapter 11 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facilities in accordance with the General Permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General 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](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

All construction, installation, or modification allowed by this Notification of Coverage **shall be completed by December 31, 2014.**

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

Sincerely,

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

cc: PDF to Cheyenne  
WDEQ Casper File  
Craig Shavlik, P.E., JLM Engineering, Inc., 39 North Main Street, Buffalo, WY 82834  
Les Hook, Public Works Director, 46 North Main Street, Buffalo, WY 82834





## Department of Environmental Quality

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Matthew H. Mead, Governor

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

Todd Parfitt, Director

### NOTIFICATION OF COVERAGE

January 31, 2013

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

RE: Town of Evansville – Holmes Street Water Replacement  
Application No. 13-023, Natrona County

Dear Mr. Hinds:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems, consisting of approximately 1,800 feet of 8 inch water line located in the SE ¼, Section 1, Township 33N, Range 79W, Natrona County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 12 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 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](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

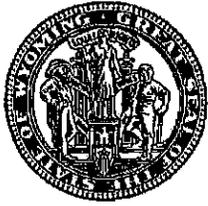
If you have any questions, please contact me at 307-473-3469.

Sincerely,

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

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





## Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

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

Todd Parfitt, Director

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### NOTIFICATION OF COVERAGE

January 29, 2013

Marlon Holmquist  
Vista West Water Company  
P.O. Box 565  
Casper, WY 82601

RE: West Gate IV Water Relocation  
Application No. 13-024, Natrona County

Dear Mr. Holmquist:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems, consisting of approximately 260 feet of 12 inch water line located in the NE ¼, Section 29, Township 34N, Range 80W, Natrona County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with Chapter 12 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 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](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

cc: IPS, Cheyenne  
WDEQ Casper File  
Matt Williams, P.E. WLC Engineering, 200 Pronghorn Street, Casper, WY 82601





## Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

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

Todd Parfitt, Director

January 31, 2013

Darrin Tromble, P.E.  
WWC Engineering  
6000 East 2<sup>nd</sup> Street, Suite 1004  
Casper, WY 82609

**RE: Return of Application for the Casper Streets – CY Avenue and Poplar Street Intersection,  
Sanitary Sewer and Water Main Replacement,  
Permit# 13-025, Location: City of Casper, WY**

Dear Mr. Tromble:

An application for a Permit to Construct was submitted to the Wyoming Department of Environmental Quality/Water Quality Division (WDEQ/WQD) on January 18, 2013 for the construction of sanitary sewer and water line improvements in the intersection of CY Avenue and Poplar Street. After an initial review of the submittal, we have determined that it is incomplete and as a result, we are returning it in accordance with the Wyoming Department of Environmental Quality/Water Quality Rules and Regulations Chapter 3, Section 14 – Denial of a Permit or Coverage under a General Permit. We are retaining one copy for our records.

Primary items missing from the application packet are:

- 1) Construction drawings are not sealed, signed, and dated; drawings must also include a cover sheet, vicinity page, legend, scale, etc.;
- 2) Design report missing;
- 3) Geotechnical report not included;
- 4) Justification for pipe sizes, materials, etc. not provided.

Again, these are the primary items missing – this is NOT a complete review. Please refer to Chapter 12 of the WDEQ/WQD Rules and Regulations for information on what is required for a submittal to this office.

If you have any questions please call me at (307) 473-3478 or Jason Vreeland at (307) 473-3469.

Sincerely,

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

cc: Andrew Beamer, P.E., City of Casper, 200 North David, Casper, WY 82601  
WDEQ File  
IPS

Cheyenne  
122 West 25<sup>th</sup> Street 82002  
(307) 777-7937

Lander  
510 Meadowview Drive 82520  
(307) 332-3144

Sheridan  
2100 W. 5<sup>th</sup> Street 82801  
(307) 673-9337





# Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

January 24, 2013

**John and Daphne Malcom**  
152 Pleasant Valley Road  
Hartville, Wyoming 82215

RE: Malcom Residence Septic System  
Application No. **13-026, Platte County**

Dear Mr. & Mrs. Malcom:

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 120 feet of chamber type trench leachfield divided into two equal length trenches of at least 9 Infiltrator brand, Standard model chamber units each, for a 4 bedroom home, located in the NW¼ NE¼ of Section 26, 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 January 24, 2015.

The following project specific condition also applies:

Septic Tank Riser Requirement - either a 6" diameter riser or the manway from the 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](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 SYING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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Please reference Application No. 13-026 in any future correspondence.

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

Sincerely,

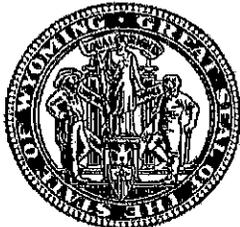


Ronald L. Ewald  
Assistant Southeast District Engineer  
Southeast District, Water & Wastewater Section  
Water Quality Division

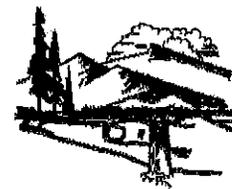
RLE/rm/13-0063

Enclosures: Certificate of Completion

cc: IPS, Cheyenne  
Platte County Planning Office, Reed Elmquist, P.O. Box 728, Wheatland,  
Wyoming 82201  
Timothy J. Olind, Norb Olind Const., 1457 Zorn St., Wheatland, Wyoming 82201



# Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

## NOTIFICATION OF COVERAGE

March 19, 2013

Ed Harbertson  
744 North 5500 West  
Ogden, Utah 84403

RE: Washam Creek Subdivision - Water Main Extension - Permit Number 13-027, SW ¼ Section 21, T12N, R109W, Sweetwater County

Dear Mr. Harbertson:

The above application for coverage under **General Permit to Construct** for the extension of a **Public Water Supply System** consisting of about 489 linear feet (LF) of 8-inch PVC water main to serve five residential lots in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct; the facility in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at : [http://deq.state.wy.us/wqd/www/Permitting/Pages/general\\_permits.asp](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

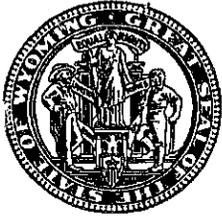
Sincerely,

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

PDF to Cheyenne  
J. Nate Reeve, P.E., Reeve & Associates, Inc., 920 Chambers St., Suite 14, Ogden, Utah 84403

Page 1 of 1





# Department of Environmental Quality

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Matthew H. Mead, Governor

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

Todd Parfitt, Director

February 27, 2013

Barry Venn, P.E.  
609 Consulting, LLC  
5830 E. 2<sup>nd</sup> Street  
Casper, WY 82609

RE: Pioneer Water and Sewer District Water System Improvements, Natrona County, WY  
WDEQ Application #13-028

Dear Mr. Venn:

We have completed our review of the permit application submitted on January 18, 2013. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact either Karen Farley at (307) 473-3478 or Jason Vreeland at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

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

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

Attachments: WDEQ Comments

cc:

 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:** Pioneer Water and Sewer District Water System Improvements

**LOCATION:** Natrona County, Wyoming

**ENGINEER:** 609 Consulting, LLC

**APPLICANT:** Pioneer Water and Sewer District

**WATER QUALITY DIVISION APPLICATION NUMBER: 13-028**

**DATE ON PROPOSAL/PLANS/REPORT:** January 17, 2013

**DATE RECEIVED BY DEQ:** January 18, 2013

**DATE OF THIS REVIEW:** February 27, 2013

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

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

**WDEQ COMMENTS**

- 1) Chapter 12, Section 6(a) – The Level II study submitted does not provide all of the information we need for this project. As an example, two figures in the study – Figure 1-3 (Pioneer Water System) and Figure 4-1 (Pioneer Water System Proposed Improvements) – do not coincide with each other and it has been very difficult for us to determine what improvements were actually evaluated. The Line “B” that seems to have been looked at is not the same new line that is being submitted to us for permitting. In addition, there are numerous remedies to some of the issues with the system and it appears that at least part of what is being proposed for this project was

listed as a long term need. Please clarify which recommendations from the study have been implemented and if any of those listed under immediate need or near term future need have or are planned to be completed.

- 2) Chapter 12, Section 6(a) – The modeling provided in the Level II study does not reflect this particular improvement. Please provide a revised hydraulic model that shows this improvement with the existing system.
- 3) Chapters 12, Section 7(c) – Please indicate on the plan set the dimension ratio or pressure class for the pipe.
- 4) Chapter 12, Section 7(c)(ii) – Sheet 4 shows the new 8” being connected to an existing hydrant tee. Please provide information on the existing watermain size and material being connected to. In addition, the hydrant at this location appears to be in bold font – is it new, being removed, or staying in place?
- 5) Chapter 12, Section 14(b)(v) – Please indicate if the existing hydrants are to be removed or remain in place. If they are to remain in place, describe the type of hydrant, e.g., six inch fire hydrants used for flushing purposes or four inch flushing hydrant. Modifications or replacements may be needed to ensure that any standard fire hydrants are not capable of being used directly for fire protection.
- 6) Chapter 12, Section 14(c) – The design report indicates that the valve spacing exceeds WDEQ standards due to the rural nature of the system. The design does not meet the WDEQ standard of not more than 800 foot intervals. If valve spacing in excess of 800’ is being requested, you will need to formally request a variance or modify the design so that it has the appropriate spacing. A variance request must contain justification and information that the variance, if allowed, will still result in a project that meets the intent of the regulations.
- 7) Chapter 12, Section 14(e)(i) – The profile appears to rise to a high point at station 34+00 (Zero Road crossing). WWQRR requires air relief valves in transmission lines at high points. Please address.
- 8) Chapter 12, Section 14(e)(ii) – Chambers, pits, or manholes containing valves, blowoffs, meters, or other such appurtenances are to be drained to the surface of the ground or at a minimum a sump must be provided. Please address this requirement in the plan set details. Additionally, subsurface drainage does not appear to be practical due to groundwater levels reportedly ranging from three to five feet.
- 9) Chapter 12, Section 14(b) – Please provide design justification and basis for the proposed Pressure Reducing Valve.
- 10) Chapter 12, Section 14(g) – Sheet 4 – The proposed waterline is too close to the 18” culvert. A minimum 10’ horizontal separation is required for isolation. Also, please ensure that the waterline is protected from freezing.
- 11) Chapter 12, Section 14(g) – Sheet 6 – The proposed waterline is too close to the 72” culvert. It is impossible to tell where the inverts of the culvert are, based on the plan view, but it appears that the waterline will be very close to the invert of the pipe. This could lead to erosion and freezing issues. Please address.
- 12) Figure 1-2 and Figure 3-1 that were provided in the Level II study appear to have been copied incorrectly – please address.



# Department of Environmental Quality

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Matthew H. Mead, Governor

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Todd Parfltt, Director

## NOTIFICATION OF COVERAGE

April 19, 2013

Jacob C. Quickel, President  
Pioneer Water and Sewer District  
8917 Poison Spider Road  
Casper, WY 82604

RE: 2013 Water System Improvements Project for the Pioneer Water and Sewer District  
Application No. **13-028, Natrona County**

Dear Mr. Quickel:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems, consisting of the construction of approximately 2,500 feet of 8-inch water line and one Pressure Reducing Valve, to provide a new loop, eliminate two dead ends and allow for two new connections to the water system, located in the **NE ¼, Section 3, Township 33N, Range 81W**, Natrona County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with **Chapter 12** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 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](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

cc: IPS, Cheyenne  
WDEQ Casper File  
Barry Venn, P.E., 609 Consulting, LLC, 5830 E. Second Street, Casper, WY 82609



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
PERMIT TO CONSTRUCT

PERMIT NO. 13-029

REFERENCE PERMIT NO. N/A

Town of Dayton – Calcium Hypochlorite Chlorination System Project  
PWS No. WY5600202

This permit hereby authorizes the applicant:

Mayor Robert Wood  
Town of Dayton, WY  
Box 100  
Dayton, WY 82836

to construct, install or modify a new calcium hypochlorite chlorination system to replace the existing gas chlorination system at the Town's water treatment plant, according to the procedures and conditions of the application number 13-029. The facility is located in the NW ¼, SW ¼ of Section 1, Township 56 North, Range 86 West, located in Sheridan County, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2015.

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

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

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

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

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

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

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

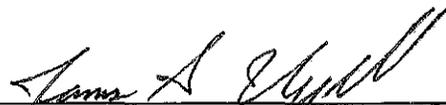
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

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

AUTHORIZED BY:



Kevin Frederick  
Administrator  
Water Quality Division



Todd Parfitt  
Director  
Department of Environmental Quality

7-19-13

Date of Issuance

KLF/rm/13-0654

cc: David Engels, P.E., EnTech, Inc., 1949 Sugarland Drive, Suite 205, Sheridan, WY 82801  
John Gillis, PhD, EPA Region 8, 1595 Wynkoop Street, Denver, CO 80202-1129

## STATEMENT OF BASIS

1. Permit Number: **13-029**
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, P.E., and completed on July 16, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



# Department of Environmental Quality

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Matthew H. Mead, Governor

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

Todd Parfitt, Director

March 8, 2013

Dave Engels, P.E.  
EnTech, Inc., 1949 Sugarland Drive, Suite 205  
Sheridan, WY 82801

RE: Calcium Hypochlorite Chlorination System – “As-Built” Permit to Construct  
WDEQ Application #13-029

Dear Mr. Engels:

We have completed our review of the permit application submitted on January 10, 2013. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

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

Attachments: WDEQ Comments

cc: 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:** Calcium Hypochlorite Chlorination System

**LOCATION:** Town of Dayton, Wyoming

**ENGINEER:** EnTech, Inc.

**APPLICANT:** Town of Dayton

**WATER QUALITY DIVISION APPLICATION NUMBER: 13-029**

**DATE ON PROPOSAL/PLANS/REPORT:** January 2013

**DATE RECEIVED BY DEQ:** January 10, 2013

**DATE OF THIS REVIEW:** March 8, 2013

**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 8(k) – Ventilation – “All enclosed spaces shall be provided with forced ventilation, except pumping station wetwells or clearwells. Rooms housing chlorine storage and/or feeders shall have provisions for exhausting the room contents in 2 minutes and continuous ventilation to provide not less than 12 air changes per hour.” The ventilation system currently in place as described in the design report does not meet this requirement. Please address.
- 2) Chapter 12, Section 8(n) – Chemical Storage. Please address.
- 3) Chapter 12, Section 11 – Chemical Application. Please address the applicable requirements in this section.
- 4) Has the existing chlorine gas system been removed?



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Matthew H. Mead, Governor

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

Todd Parflit, Director

### NOTIFICATION OF COVERAGE

March 11, 2013

Joseph D. Schoen, P.E.  
City of Sheridan  
55 Grinnell Plaza  
Sheridan, WY 82801

RE: City of Sheridan 2013 Rotomill & Overlay Project  
Application No. **13-030, Sheridan County**

Dear Mr. Schoen:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems, consisting of the replacement of 8 hydrants with associated leads, valves, and tees located in the **NE ¼, Section 28, Township 56N, Range 84W, Sheridan County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with **Chapter 12** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 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](http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp)

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

Sincerely,

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

cc: IPS, Cheyenne  
WDEQ Casper File  
Chad Lynn, P.E., Ridgepoint Consulting, 51 Coffeen Ave., Suite 002, Sheridan, WY 82801





# Department of Environmental Quality

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Matthew H. Mead, Governor

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

Todd Parfitt, Director

February 27, 2013

Chad Lynn, P.E.  
Ridgepoint Consulting  
51 Coffeen Avenue, Suite 002  
Sheridan, WY 82801

RE: City of Sheridan 2013 Rotomill & Overlay  
Location: NE ¼, Section 28, Township 56N, Range 84W  
WDEQ Application #13-030

Dear Mr. Lynn:

We have completed our review of the permit application submitted on January 24, 2013. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

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

Attachments: WDEQ Comments

cc: 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:** City of Sheridan 2013 Rotomill & Overlay

**LOCATION:** Sheridan, Wyoming

**ENGINEER:** Ridgepoint Consulting

**APPLICANT:** City of Sheridan

**WATER QUALITY DIVISION APPLICATION NUMBER: 13-030**

**DATE ON PROPOSAL/PLANS/REPORT:** January 23, 2013

**DATE RECEIVED BY DEQ:** January 24, 2013

**DATE OF THIS REVIEW:** February 27, 2013

**WDEQ REVIEWER:** Jason Vreeland, P.E.

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

**WDEQ COMMENTS**

- 1) Chapter 12, Section 6(b) – Are the existing hydrants used for fire flow or flushing purposes? If for fire flow purposes, can they support the required fire flow?
- 2) Chapters 12, Section 7(c) – Please show the location of any sewers on the plan view, sanitary or storm, within 30 feet of the proposed hydrant leads. Also, please show profiles of the proposed hydrant leads with the sewer crossings.
- 3) Chapter 12, Section 14(d)(ii) – Please provide information on groundwater levels in the area of the hydrants.