

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-102R

Town of Greybull Wastewater Treatment Facility Phase 1 Upgrades

This permit hereby authorizes the applicant:

Frank Houk, Mayor
Town of Greybull
24 South 5th Street
Greybull, WY 82426

to construct a earth dike, new inlet and outlet control structures, piping to minimize short circuiting and to install a vault with an effluent magnetic flow meter; according to the procedures and conditions of the application number 07-102R. The facility is located at 44° 30' 40" north latitude and 108° 03' 47 west longitude in the county of Big Horn, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by June 1, 2008.

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

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

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

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

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

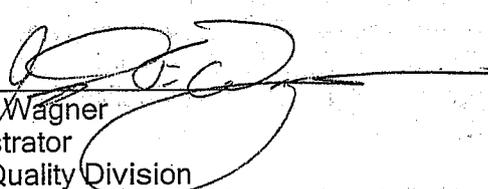
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

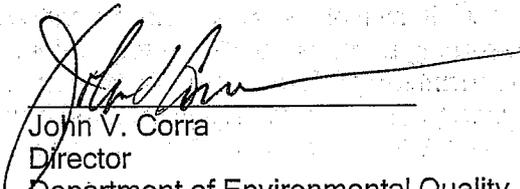
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

4/5/07
Date of Issuance

JSB/rm/7-0270

STATEMENT OF BASIS

1. Permit Number: 07-102R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above? Yes
4. 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.
 - a. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulations.

The permit includes approval to deviate from the following regulatory requirements:

1. Section 18(a)(v)(A) and 18(a)(vii)(A) of Chapter 11 require the inlet pipes to be 30 feet and 10 feet from the toe of the bank in the primary and secondary cells, respectively. A purpose for these regulations is to provide adequate room around the inlet piping for sludge accumulation. Reducing the inlet pipe extensions to 5 feet from the toe of the bank in the primary and secondary cells is granted under this permit.

2. Chapter 11, Section 18(a)(vi)(B) states "multiple draw-offs in the final cell shall be provided." A variance to this regulation is granted under this permit.

- b. Briefly state the basis for the deviation.

1. The primary cell is fed from a force main with a velocity greater than 5.0 feet per second which will disperse sludge. The placement of aerators near the inlet of the primary cell is also planned in Phase 2. This will provide mixing and dispersion of sludge across the bottom.

2. The depth of the cell is only five feet and one draw-off is provided at the two-foot level. The essential part of this regulation is to keep the draw-off of the bottom and below the surface layer. This limits the level range (e.g., between 2 and 4-foot levels) at which multiple draw-offs could be located. Thus the benefit of multiple draw-offs would be minimal.

5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.

This project will not impact the existing lagoon's potential for influencing groundwater.

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

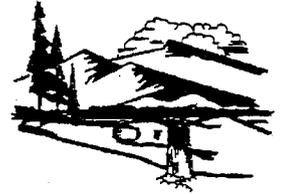
CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, jbrough@state.wy.us, Environmental Engineer and completed on April 4, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

Cc: Roger Jacobson, P.E., Engineering Associates, P.O. Box 1900, Cody, WY 82414



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 4, 2007

Fred Firnekas, Mayor
Town of Ten Sleep
415 Fifth Street
Ten Sleep, WY 82442

RE: Water & Sewer Main Replacement Project - Phase 2, Permit Number: 07-106, Section 16, 17, 20, & 21, T47N, R88W, Washakie County

Dear Mayor Firnekas:

This project involves installing water main and sewer main replacements along Aspen Alley and the area east of 6th Street between Fir Street and Pin Street. The above 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 with the following stipulation:

Since both the sewer main and water main are constructed of PVC material, the pipes must be clearly identified via color coding of the pipe or by tape to ensure that a plumber or crew member can easily distinguish between the water main and sewer main.

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

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

Sincerely,

James Brough, P.E.
Environmental Engineer
Water Quality Division

xc: IPS, Cheyenne
Kevin Frank, DEQ Casper Office
James A O'Neill, Lidstone and Associates, 4025 Automation Way, Bldg E, Fort Collins, CO 80525
Mike W. Donnell, Donnell & Allred, Inc., P.O. Box 638, Worland, WY 82401

encl: General Permits For an Public Water System and Existing Sewage Collection System

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 332-3183



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT
PWS # 5600050

PERMIT NO. 07-107

Rock Springs - Foothill Boulevard Sewer Improvements

This permit hereby authorizes the applicant:

Timothy A. Kaumo, Mayor
Rock Springs
212 D Street
Rock Springs, WY 82901

to add a new trunk forced main sewer and lift station along Foothill Boulevard, extending from Signal Drive to Truman Street; according to the procedures and conditions of the application number 07-107. The facility is located within SW 1/4, Section 15, T19N, R105W in the county of Sweetwater, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by May 04, 2009.

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

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

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

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

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

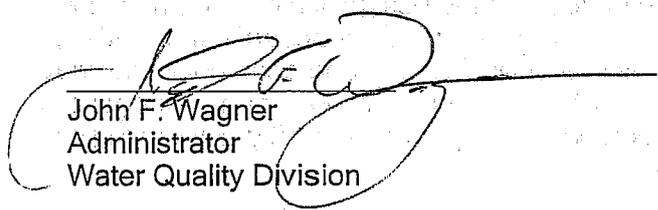
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

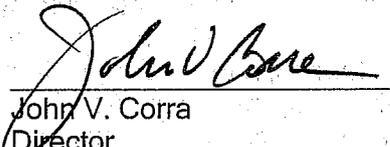
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided:
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

5/8/07
Date of Issuance

PDR/rm/7-0384
RC 5-7-7

STATEMENT OF BASIS

1. Permit Number: 07-107
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?

No.

A. A variance from the Chapter 11, Section 10(a)(iii) requirement to have either screens or comminutors was granted per Chapter 11 Sec 5, subject to the following conditions:

1. When average sewage flow reaches 1 million gallons per day the WDEQ is to be notified by letter by the City of Rock Springs. The letter will provide a summary of how the sewage lift station has performed indicating the frequency of pump blockage and other failures.

2. Plans will indicate an area upstream of the lift station wet reserved for the construction and installation of either screens or comminutors should WDEQ require compliance with Chapter 11, Section 10(a)(iii) based on the lift station's performance.

B. A variance from the Chapter 11, Section 10(c)(ii) requirements for hopper wall slopes was granted after supporting documentation was supplied per Section 5 of Chapter 11.

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.

Yes

New pump control technology applied to the dual line forced main, installed monitoring and maintenance capabilities support deviation from items described by granted variances above. Pump station piping will be 10-inch diameter and the pumps will be 6-inch. The three pumps will be powered by VFD's, each capable of pumping the required flows individually so backup pumping will always be available. If a pump plugs, the City would prefer to pull the pump, remove the obstruction and reinstall the pump. If the wet well has an obstruction, the City is in possession of a large vacuum truck that can pick up anything that can get into an 8-inch sewer. As a last resort, the wet well and pump assembly can be bypassed by portable pumps discharging to the force main.

5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.

Not Required

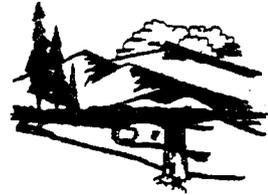
- 6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

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 Perry Roberson, prober2@state.wy.us, Senior Environmental Analyst, approved by Mark Baron P.E. Southwest District Engineer and completed on May 04, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

July 26, 2007

Ty Ross, P.E.
Meridian Engineering, P.C.
P.O. Box 6677
Jackson, WY 83002

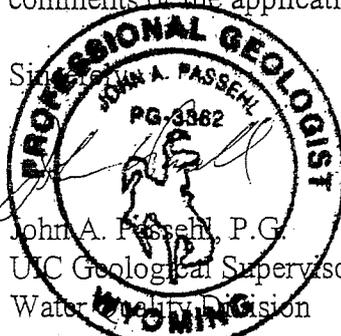
RE: UIC 07-110, North Star Utility Phase II
Class V injection well application, Lincoln County

Dear Mr. Ross:

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

The WDEQ received this application on March 7, 2007. On May 17, 2007 we sent an application deficiency letter. On June 25 we sent an application deficiency letter. This is a third deficiency letter in response to your latest information received on June 11, 2007 (email) and July 23, 2007. 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) 777-5623 should you have any questions related to these comments or the application and review process.

Signed:

John A. Passenl, P.G.
UIC Geological Supervisor
Water Quality Division

JAP/rm/7-0599

Attachments: WDEQ Comments
WDEQ Ron Ewald Comments



cc: Kevin Frederick, WDEQ
Ron Ewald, WDEQ
North Star Utility Company, 330 N. Glenwood Street, Jackson, Wyoming, 83001
Brad Stephenson, P.G., Cordilleran Compliance Services, Inc., 5550 Marshall Street,
Arvada, CO 80002

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

***WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION***

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

PROJECT: UIC 07-110
North Star Utility Phase II Class V injection well application.

LOCATION: Lincoln County

APPLICANT: North Star Utility Company
330 N. Glenwood Street
Jackson, Wyoming, 83001

OWNER: North Star Utility Company

CONSULTANTS:

GEOLOGIST Brad Stephenson, P.G.
Cordilleran Compliance Services, Inc.
5550 Marshall Street
Arvada, CO 80002

ENGINEER Ty Ross, P.E.
Meridian Engineering, P.C.
P.O. Box 6677
Jackson, WY 83002

TITLE: *"Wastewater System Phase II for North Star Utility Company"*

PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: February 2007

DATE RECEIVED BY WDEQ: March 7, 2007, June 11, 2007, July 23, 2007

WDEQ REVIEWER: John A. Passehl, P.G. Ronald Ewald, P.E.
PROFESSIONAL GEOLOGIST PROFESSIONAL ENGINEER

DATE OF THIS REVIEW: May 17, 2007, June 22, 2007, July 26, 2007

ACTION: Application Incomplete; See Attached Comments

I. WDEQ Comments:

Specific Comments - Additional Information Required (**John Passehl: 777-5623**)

The comments from my June 25, 2007 letter were transposed from another project and are not applicable to this project. I meant to transpose the comments from my original letter dated May 17, 2007. Please forgive this error and confusion. However, the May 17, 2007 comments are still valid as I have not received a response. For your convenience I have repeated my May 17, 2007 comments below and added comment #11.

1. Please fulfill all requirements pursuant to Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6(c)(iv). The area of review (radius) must be drawn around the proposed leach field.
2. Please provide a baseline ground water sample of the formation water from Well 36-1 for all parameters identified in Wyoming Water Quality Rules and Regulations, Chapter 8, Table 1.
3. Please provide a geologic cross-section between the following wells: 176-1, 81-1 and 36-1. Please clearly label the geologic formations and the depths of the formations. It appears that well 176-1 would be inappropriate to function as an upgradient monitor well since it is completed into an additional (different) geologic formation than well 36-1 and the formation being injected into.
4. An additional downgradient monitor well will be required approximately 250 feet east of well 36-1. This new well needs to be constructed similar to well 36-1 and will replace the Cowboy Fireworks well that is too far east to be of value for monitoring leachate.
5. Please clearly identify on Figure 2 of the Cordilleran report where the public supply wells are located. Have these wells been constructed to Wyoming Water Quality Rules and Regulations, Chapter 12 standards? Have they been permitted by this Department?
6. UIC permits are effective for 10 years. Please recalculate the travel time calculations in Appendix F of the Cordilleran report using 10 years (see comment #11).
7. Please register at the following website so that future UIC applications and monitoring lab reports (associated with this facility) can be submitted/uploaded electronically <https://gem.trihydro.com>
8. Please develop a waste analysis plan as required by Chapter 16, Section 11(e).

- 9. Please provide groundwater travel time calculations from the leachfield to the Snake River Alluvium (time to reach ground water) and the Snake River (time to reach surface water – high water mark).
- 10. The following table contains parameters required for new Class V (5E3) permits of this size.

Table 1 Semi-Annual Sampling Schedule (Jan 1-Jun 31, July 1-Dec 31)

Parameter Analyzed	Report Schedule	MCL (mg/L)
Nitrate	Annual	10.0
Ammonia	Annual	0.5
Chloride	Annual	250
Fecal Coliform Bacteria (public supply well only)	Annual	0 colonies/100 mL
Static Water Level Elevation	Annual	None (feet)

Please be advised that if the treatment capacity exceeds an average flow of 35,000 gallons/day the sampling frequency increases from semi-annual to quarterly and the report frequency increases from annual to quarterly.

- 11. The proposed UIC was not a part of the original Wyoming Water Quality Rules and Regulations Chapter 23 subdivision application reviewed by the Department.
 - a. Please ensure all items identified in Chapter 23 Sections 7(b)(iv) are adequately addressed.
 - b. For this type and magnitude of on-site treatment system that overlies a Class I groundwater you are required to either treat the wastewater prior to injection, or provide a fate and transport computer model analysis that demonstrates that leachate (nitrates and pathogens) will not impair ground water and/or surface water quality or use (Chapter 23, Section 7(b)(iv), Section 7(d)(viii)). The computer model must display 1 year, 5 year and 10 year travel times from the leachfield to the low water and high water levels of the Snake River and include seasonal fluctuations in groundwater flow and direction resulting from fluctuating reservoir levels.
 - c. Appendix F of the Cordilleran report (2-year groundwater horizontal travel time) appears incorrect. The well log for 36-1 references 'cobbly gravely sand' and 'gravely coarse sand' that should have horizontal hydraulic conductivities higher than 10 feet per day. Likewise it appears that precipitation or natural recharge was left out of the equation for AP. Please re-evaluate all parameter inputs to this Appendix and apply them to the groundwater model referenced in 11(b) above.
 - d. If enhanced treatment systems are proposed additional information regarding enhanced treatment systems is required as per Chapter 23 Section 7(d)(viii).

12. Please address the third set of attached Professional Engineer comments from Ron Ewald of the Division's water and wastewater section.

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

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

FOR: John Passehl

PROJECT: North Star Utility Company Phase II UIC Septic System
- 5E4 Sewage Disposal Facility

LOCATION: NW¼ NW¼, Section 29, T37N, R118W, **Lincoln County**

ENGINEER: Josh Cook, P.E. (Wyo. PE # none)
The **Engineering** Company
2310 East Prospect Road, Suite B
Fort Collins, Colorado 80525
Ph: (970) 484-7477

GEOLOGIST: Brad Stephenson

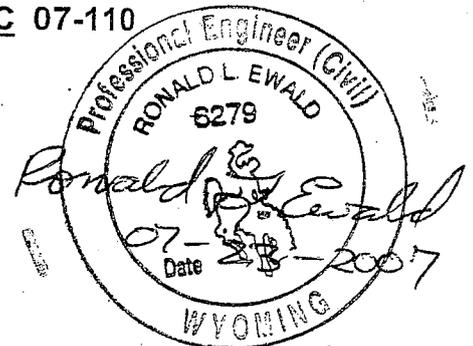
APPLICANT: North Star Utility Co.
Attn. Michael T. Halpin, President
P.O. Box 610
Jackson, Wyoming 83001
Ph: (307) 739-9090

WATER QUALITY DIVISION REFERENCE NUMBER:

UIC 07-110

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

DATE OF REVIEW: 07-23-07



ENGINEERING REVIEW COMMENTS - 3rd Review:

1. Extent of 3rd Review - only the issues of the Lift Station #2, the Force Main(FM) and pressure distribution piping system to and inside of the leachfield, and the design and operation of the leachfield remain.

2. X.
RLE

Lift Station #2, Force Main and Pressure Distribution System - Referring back to the review comments contained in the DEQ review dated June 22, 2007, the

problems and concerns identified in this previous review were still not adequately addressed by the response DEQ received from TEC on July 23, 2007. The design concept of mixing a gravity distribution system with a pressure distribution system in this manner was carefully analyzed after consultation with other members of our DEQ engineering staff. It was determined that relying on gravity and almost perfectly level pipes hung from the inside tops of the *Infiltrator* chambers to evenly and fully distribute the effluent over the entire area is not feasible.

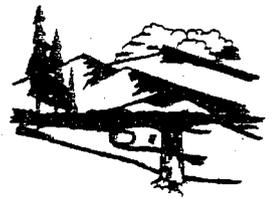
The physical layout and plumbing of what has been proposed is a classical pressure distribution system. It will only have a chance to work properly if it is designed as a full fledged pressure distribution system. This system needs to be designed with a much larger pump slug (storage) volume, pumping rate and run time to fully charge and operate the system.

My supervisor, Lou Harmon at (307) 777-7088, will be in contact with you soon to discuss possible resolutions to these design issues or any other issues limited to the design and/or operation of the septic system and leachfield.

cc: Lou Harmon, SE District Supervising Engineer, WQD



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

May 17, 2007

Ty Ross, P.E.
Meridian Engineering, P.C.
P.O. Box 6677
Jackson, WY 83002

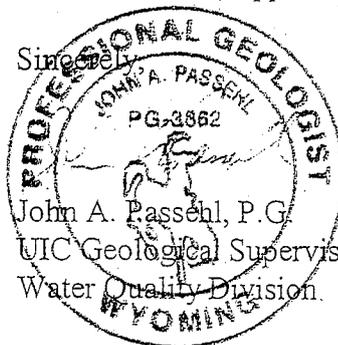
RE: 07-110, North Star Utility Phase II, Class V injection well application
Lincoln County

Dear Mr. Ross:

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

The WDEQ received this application on March 7, 2007 and has until May 7, 2007 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) 777-5623 should you have any questions related to these comments or the application and review process.



John A. Passéhl, P.G.
UIC Geological Supervisor
Water Quality Division

Attachments: WDEQ Comments

- c: Michael Halpin, North Star Utility Company, 330 N. Glenwood Street, Jackson, WY 83001
- Warren Mesloh, P.E., The Engineering Company, 2312 East Prospect Road, Suite B, Fort Collins, CO 80525
- Ron Ewald, WDEQ
- Kevin Frederick, WDEQ

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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UNDERGROUND INJECTION CONTROL PROGRAM
REVIEW COMMENTS:
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

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

PROJECT: UIC 07-110
North Star Utility Company, Class V injection well application

LOCATION: Lincoln County

APPLICANT: North Star Utility Company
330 N. Glenwood Street
Jackson, WY 83001

OWNER: Michael Halpin, President, North Star Utility Company

CONSULTANTS:

GEOLOGIST Brad Stephenson, P.G.
Cordilleran Compliance Services, Inc.
5550 Marshall Street
Arvada, CO 80002

ENGINEER Warren Mesloh, P.E.
The Engineering Company
2312 East Prospect Road, Suite B
Fort Collins, CO 80525

TITLE: "Wastewater System Phase II for North Star Utility Company"

X PLANS X SPECS X PROPOSAL X REPORT

DATE ON PROPOSAL/PLANS/REPORT: February 2007

DATE RECEIVED BY WDEQ: March 7, 2007

WDEQ REVIEWER: John A. Passehl, P.G. Ronald Ewald, P.E.
PROFESSIONAL GEOLOGIST PROFESSIONAL ENGINEER

DATE OF THIS REVIEW: May 17, 2007

ACTION: Application Incomplete; See Attached Comments

I. WDEQ Comments:

Specific Comments - Additional Information Required (**John Passehl: 777-5623**)

1. Please fulfill all requirements pursuant to Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6(c)(iv). The area of review (radius) must be drawn around the proposed leach field.
2. Please provide a baseline ground water sample of the formation water from Well 36-1 for all parameters identified in Wyoming Water Quality Rules and Regulations, Chapter 8, Table 1.
3. Please provide a geologic cross-section between the following wells: 176-1, 81-1, and 36-1. Please clearly label the geologic formations and the depths of the formations. It appears that Well 176-1 would be inappropriate to function as an upgradient monitor well since it is completed into an additional geologic formation than Well 36-1 and the formation being injected into.
4. An additional downgradient monitor well will be required approximately 250 feet east of Well 36-1. This new well needs to be constructed similar to Well 36-1 and will replace the Cowboy Fireworks well that is too far east to be of value for monitoring leachate.
5. Please clearly identify on Figure 2 of the Cordilleran report where the public supply wells are located. Have these wells been constructed to Wyoming Water Quality Rules and Regulations, Chapter 12 standards? Have they been permitted by this Department?
6. UIC permits are effective for 10 years. Please re-calculate the travel time calculations in Appendix F of the Cordilleran report using 10 years.
7. Please register at the following website so that future UIC applications and monitoring lab reports (associated with this facility) can be submitted/uploaded electronically <https://gem.trihydro.com>
8. Please develop a waste analysis plan as required by Chapter 16, Section 11(e).
9. Please provide groundwater travel time calculations from the leachfield to the Snake River Alluvium (time to reach ground water) and the Snake River (time to reach surface water).
10. The following table contains parameters required for new Class V (5E3) permits of this size.

Table 1 Semi-Annual Sampling Schedule (Jan 1-Jun 31, July 1-Dec 31)

Parameter Analyzed	Report Schedule	MCL (mg/L)
Nitrate	Annual	10.0
Ammonia	Annual	0.5
Chloride	Annual	250
Static Water Level Elevation	Annual	None (feet)
Fecal Coliform Bacteria (public supply wells only)	Annual	0 colonies/100 mL

11. Please address the attached Professional Engineer comments from Ron Ewald of the Division's water and wastewater section.

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

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

FOR: John Passehl

PROJECT: North Star Utility Company Phase II UIC Septic System
– 5E4 Sewage Disposal Facility

LOCATION: NW¼ NW¼, Section 29, T37N, R118W, **Lincoln County**

ENGINEER: Warren H. Mesloh, P.E. (Wyo. PE # 9161)
The **Engineering** Company
2310 East Prospect Road, Suite B
Fort Collins, Colorado 80525
Ph: (970) 484-7477

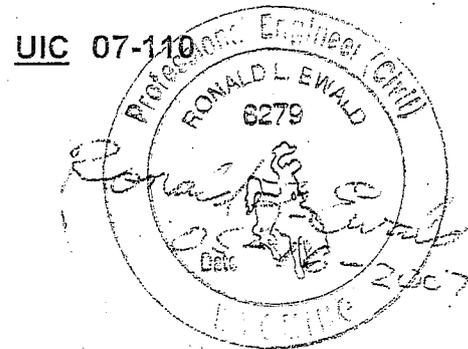
GEOLOGIST: Brad Stephenson

APPLICANT: North Star Utility Co.
Attn. Michael T. Halpin, President
P.O. Box 610
Jackson, Wyoming 83001
Ph: (307) 739-9090

WATER QUALITY DIVISION REFERENCE NUMBER: **UIC 07-110**

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

DATE OF REVIEW: 05-16-07



ENGINEERING REVIEW COMMENTS:

1. Technical Engineering Review Extent - the extent of this technical engineering review starts at **Lift Station #1** where the sewage from the development's sewage collection system enters Lift station #1 via a 15" PVC gravity sewer pipe. The review includes Lift Station #1, the Distribution Box to the septic tanks, the septic tanks, Lift Station #2, the Force Main(FM) and pressure distribution piping system to and inside of the leachfield, and the design and operation of the leachfield.

2. Design Flows - cumulative maximum daily design flows of 24,850gpd, 32,350gpd, and 39,850gpd were determined for the completion of Phases I, II, and III respectively. These design values appear to be appropriate.
3. Lift Station #1 and the Distribution Box - these components of the system are designed to meet the design and operation standards required in Chapter 11 of the Water Quality Rules & Regulations (WQR&R)
4. Septic Tanks - Chapter 11, Section 39 of the WQR&R. Section 39(a)(iii)(A) requires that the water depth in septic tanks "shall be no less than four feet nor greater than six feet." Section 39(a)(iii)(C) requires that "The outlet elevation shall be designed to provide a distance of 20% of the liquid depth between the top of the liquid and the bottom of the septic tank cover for scum storage." The proposed tanks do not meet these requirements. These tanks may be approved if a variance from the regulations supported by design references is submitted by the applicant.
5. Lift Station #2 - Lift Station #2 is not adequately designed. It does not take into account the volume of effluent (or more precisely air space) left in the pressure distribution pipes after a pumping cycle. My calculations are that the pressure distribution pipes behind Lift Station #2 contain the following volumes:
 - 4" dia. pipe to "cross fitting" = 238 gallons,
 - 3" dia. pipe after "cross fitting" = 193 gallons, and
 - 1½" dia. pipe throughout leachfield = 1,110 gallons.

Since the 1½" pressure distribution piping in the leachfield is designed with 5/32" downward facing holes every 30 feet to drain the pressure distribution pipes in between pumping cycles, this means that the level piping area beyond the "cross fitting" contains a total volume of 1,303 gallons (1½" pipe + 3" pipe). Since the pumping volume between the pump on and the pump off float levels (5631.00 ft to 5629.03 ft) is only 417 gallons, this is not enough of a "slug" of effluent to fill up the empty pipe drained out by the weep holes. A slug of more than 1303 gallons will be needed. Depending on how fast the effluent drains and/or squirts out of the 2,436 - 5/32" discharge holes, and how long the pumping cycle takes, an additional volume of effluent will be needed to account for this ongoing discharge during the pumping cycle. An additional pressure head of ½ to 1 foot will also be needed to maintain enough pressure throughout the leachfield pressure distribution system to ensure pressurized discharge out of all of the 5/32" holes. Calculations on the discharge rates of the 5/32" discharge holes, the pressure required to actually get and maintain them pressurized as they are all discharging, the total amount of effluent needed to be pumped during one pumping cycle, and the total cycle time required need to be provided.

The phasing in of the inflow loadings and outflow discharges of Lift Station #2 as the various phases of the project are completed and brought on line need to be considered. These phasing issues must be considered and explained in the Engineering Design Report.

6. Groundwater Mounding and Time of Travel - - an evaluation of any potential groundwater mounding from a leachfield of this size (40,000 gpd) was not observed in my review of the Engineering Report. Perhaps it is included in the Subsurface Investigation Report by the geologist. Also, the 2 year time of travel distance should be looked at, and if there is groundwater mounding this could increase the gradient locally and increase the 2 year time of travel distance. Given the location of this project, these could be important concerns.

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 07-110
Facility Number WYS-023-00084

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: North Star Utility Company (Alpine Meadows)
Attn: Michael T. Halpin
P.O. Box 610
Jackson, WY 83001
(307) 739-9090

North Star Utility Company, hereafter referred to as the permittee, is authorized to construct and operate the proposed septic tank and leach field wastewater disposal system in the NW¼ NW¼ of Section 29, Township 37 North, Range 118 West, of the 6th Principal Meridian, Lincoln County, according to the procedures and conditions of application 07-110 and requirements and other conditions of this permit.

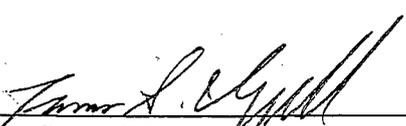
This permit shall become effective on date of issuance and shall expire 2 years from the effective date of issuance.



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

3/20/08

Date



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

3/20/08

Date

Table of Contents

A.	Discharge Zone.....	3
B.	Well and Area of Review.....	3
C.	Groundwater Classification	3
D.	Authorized Operations.....	3
E.	Hazardous Waste	4
F.	Proper Operation and Maintenance	4
G.	Entry and Inspection	4
H.	Environmental Monitoring Program for Groundwaters of the State	4
I.	Requirements for Monitoring the Discharge	6
J.	Test Procedures.....	7
K.	Records and Reports	7
L.	Permit Actions	7
M.	Abandonment.....	8
N.	Duties of the Permittee.....	8
O.	Signatories Requirement.....	9
P.	Noncompliance	9
Q.	Permit Transfer	10
R.	Property Rights	10
S.	Severability	10

A. Discharge Zone

This injection well (sanitary leach field system) is authorized to inject an average 26,567 gallons/day and a maximum of 39,850 gallons/day of treated domestic sewage into the undifferentiated Snake River Alluvium aquifer which is found within 150 feet of land surface. Average sewage flows include the following: Alpine Meadow Subdivision: 12,500 gpd; Snake River Junction Development: 2,000 gpd; Flying Saddle Lodge: 12,067 gpd.

B. Well and Area of Review

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

NW¼ of NW¼ of Section 29, Township 37 North, Range 118 West, 6th Principal Meridian

The Area of Review is defined as an area of approximately 30 acres in size with the injection facility located near its upgradient (northern) center.

The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	2	Years
Porosity	30	Percent
Injection Rate	26,567	GPD
Thickness of Receiver	133	Feet
Area of Review	27	Acres
Hydraulic Conductivity	60	Feet/Day

C. Groundwater Classification

The groundwater in the unconfined Snake River Alluvium aquifer 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 several nearby wells. 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 permittee is authorized to inject 26,567 gallons per day (632 barrels per day) of treated domestic wastewater through the proposed injection well system. Injection will occur via a series of 6 septic tanks with a total tank volume of 62,832 gallons discharging into a leach field comprised of up to 3,024 leaching chambers.

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, Chapter 11 and Chapter 16.

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

G. Entry and Inspection

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

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.
4. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The time(s) analyses were initiated;
 - e. The initials or name(s) of the individual(s) who performed the analyses;
 - f. References and written procedures for the analytical techniques or methods used;
 - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
6. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
7. The permittee shall report any noncompliance which may endanger health or the environment within 24 hours from the time the operator becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;
 - c. A written submission shall be provided within 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 45 days following each schedule date.
10. The permittee shall file a written report to the Water Quality Division regarding the status of all permits and the feasibility of tying into the Town of Alpine's wastewater treatment system every six (6) months.
11. The use of this wastewater disposal system is prohibited beyond two (2) years from the effective date of this permit unless extended by the Administrator.
12. The permittee shall meter the total monthly volume (gallons) discharged to the leach field and report it quarterly.

I. Requirements for Monitoring the Discharge

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 by the listed methods and reported annually:

Table 2 (Semi-Annual Groundwater Sampling Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL
MW-1 (36-1) MW-2 (90-1) MW-3 (176-1)	Once prior to the end of each semi-annual period.	Ammonia as N	SM 4500 NH ₃ H	0.50 mg/L
		Chloride	SM 4500 CL B	250 mg/L
		Fecal coliform bacteria	SM 9222D	0 colonies/100 ML
		Nitrate as N	SM 4500 NO ₃ E	10 mg/L
		Top of casing elevation (ft)	Casing elevation must be surveyed	Not applicable
		Depth to static water (ft)	Steel tape with chalk or electronic tape	Not applicable

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

All Semi-annual reports are to be reported within forty-five (45) days of the last day of the year. Sampling periods are identified as follows: 01/01-06/30, 07/01-12/31.

The above upper control limit (UCL) can not be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require notification under Section K of this permit. Failure to perform and report analyses in accordance with the prescribed schedule and method is also a violation of this permit.

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 issued for a period of two (2) years. If the permittee wishes to continue injection after the expiration date of this permit, he shall apply to the Administrator prior to the expiration date of this permit. An expired permit continues in effect until a new permit is issued or the permit is terminated by the Administrator. 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.

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.

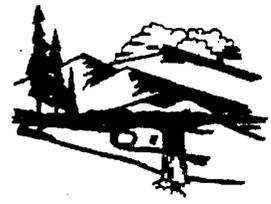
S. Severability

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.

JP/bb/8-0224



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

March 24, 2008

North Star Utility Company
Attn: Michael T. Halpin
P.O. Box 610
Jackson, WY 83001

RE: North Star Utility Company
Draft Permit 07-110, Class V Septic System
Lincoln County, Wyoming

Dear Mr. Halpin:

Attached please find one copy of the Class V permit and corresponding reporting forms for the above referenced facility. This permit requires sampling on a semi-annual basis and reporting on an annual basis within 45 days of the end of each calendar year.

The permit application, draft permit, final permit, public notice, and report forms are available for review on the GEM website <https://gem.trihydro.com>

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

If you have any questions please do not hesitate to contact me at (307) 777-5623 or by internet at jpasse@state.wy.us

Sincerely,

John A. Passehl, P.G.
UIC Geological Supervisor
Water Quality Division

JAP/rm/8-0224

Enclosures: Report Forms
Permit

cc: Ty S. Ross, P.E., Meridian Engineering, P.C., P.O. Box 6677, Jackson, WY 83002
Kevin Frederick, WDEQ

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

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



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 16, 2007

Mr. Rich Merrill, P.E.
CITY OF LARAMIE
PO BOX C
LARAMIE, WY 82073

RE: 2007-1 CITY OF LARAMIE-SWRLINE REHAB PROGRAM
Application No. **07-111**, Albany County

Dear Mr. Merrill:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as 10" diameter sewer line replacement, SW1/4 Section 26 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 sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2009.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-111** in any future correspondence.

If you have any questions, please contact me at 307-777-7088.

Sincerely,

Louis B. Harmon PE-PG
Southeast District Engineer
Water Quality Division

LBH/rm/7-0215

cc: IPS, Cheyenne

RICH MERRILL, CITY OF LARAMIE, PO BOX C, LARAMIE WY 82073

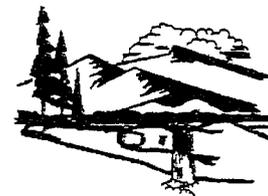
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 5, 2007

Doug Nissen
Target Powell Valley
245 East 1st Street
Powell, WY 82414

RE: Target Powell Valley Water Line, Permit Number: 07-112, Lot 68-D, T55N, R99W, Park County

Dear Mr. Nissen:

This project involves the installation of 1,660 linear feet of 12-inch water line to serve five lots within a subdivision. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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

Sincerely,

James Brough, P.E.
Environmental Engineer
Water Quality Division

xc: IPS, Cheyenne
Greg Meinecke Consulting Engineering, 1408 Meadow Lane Ave., Cody, WY 82414
Sean Christensen, P.E., City of Powell, P.O. Box 1008, Powell, WY 82435

encl: General Permit For a Public Water Supply System

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

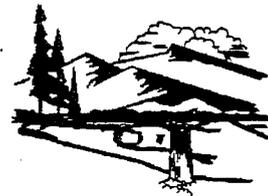
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

WATER QUALITY
(307) 332-3144
FAX 332-3183





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 20, 2007

Rick Metzger, District Ranger
USDA Forest Service
1403 West Ramshorn
Dubois, WY 82513

RE: Wind River Work Center Water & Sewer Lines – Phase II, Permit Number: 07-113, Section 7, T41N, R106W, Fremont County

Dear Mr. Metzger:

This project will serve the west half of the work center site. The above application for coverage under General Permit to install approximately 165 linear feet of 4-inch sewer line, 360 linear feet of 6-inch water line, a fire hydrant, plus 205 linear feet of 1-1/2" and 1" water service lines and a yard hydrant 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.

This project includes a fire hydrant at the end of 350 feet of 6-inch waterline. Chapter 12, Section 14, (b), (ii), states that the maximum length of 6-inch pipe serving a fire hydrant from one direction cannot exceed 250 feet. Your engineer requested a variance from this regulation and demonstrated that a minimum pressure under a fire suppression flow of 1,500 gpm can still be maintained. Therefore, a variance from this regulation is hereby granted.

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

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

Sincerely,

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

xc: IPS, Cheyenne
Sammie McDowell, USDA Forest Service, 925 Weiss Dr., Steamboat Springs, CO 80487
Arvin Miller, Town of Dubois, P.O. Box 555, Dubois, WY 82513

encl: General Permits For a Public Water Supply System and an Existing Sewage Collection System

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 332-3183





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 5, 2007

John Albrecht, Coordinator of Support Services
Park County School District No. 1
160 N. Evarts Street
Powell, WY 82435

RE: South Side Elementary School Sewer Main & Water Service Lines, Permit Number: 07-115, SW ¼, Section 14, T55N, R99W, Park County

Dear Mr. Albrecht:

This project involves the installation of approximately 556 linear feet of 10-inch sewer main, two 6-inch sewer service stubs and two 6-inch water service lines to serve the new South Side Elementary School. The above 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 facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

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

Sincerely,

James Brough, P.E.
Environmental Engineer
Water Quality Division

xc: IPS, Cheyenne
Scott H. Lewis, P.E., Inberg-Miller Engineers, 428 Alan Road, Powell, WY 82435
Sean Christensen, P.E., City of Powell, P.O. Box 1008, Powell, WY 82435

encl: General Permits For a Public Water Supply System and an Existing Sewage Collection System

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

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

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FAX 332-7726

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

WATER QUALITY
(307) 332-3144
FAX 332-3183

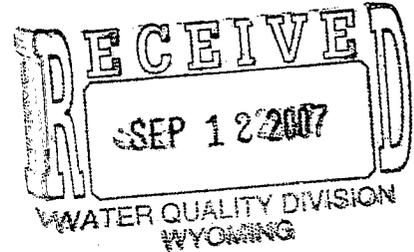


Park County School District #1

160 N. Evarts Street
Powell, Wyoming 82435
Phone 307-754-2215 Fax 307-754-4273
www.park1.k12.wy.us

Kevin Mitchell, *Superintendent*
R.J. Kost, *Curriculum Coordinator*
John Albrecht, *Support Services Coordinator*
Mary Lewis, *Business Services Coordinator*

September 10, 2007



Mr. James Brough, P.E.
Environmental Engineer
Water Quality Division
510 Meadowview Drive
Lander, WY 82435

RE: Southside Elementary School Sewer Main and Water Main Service Lines Permit #
07-115, SW ¼, Section 14, T55N, R99W, Park County

Dear Mr. Brough:

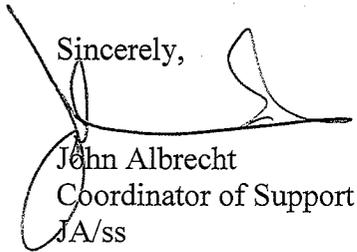
Park County School District #1 is responding to the reporting requirements in Part V,
Section O of the general permits.

Substantial completion of the above two reference permits was reached on August 13,
2007 by the contractor. The water line has been disinfected and tested. The sewer line
installed, according to the specifications and design as submitted.

Both of these lines will be supporting the new Southside Elementary School projected for
completion in September of 2008.

Thank you.

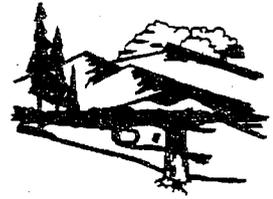
Sincerely,


John Albrecht
Coordinator of Support Services
JA/ss

CC: Scott Lewis



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 16, 2007

Mr. and Mrs. Chris Stoltenberg
149 Esterbrook Rd
Douglas, WY 82633

RE: C & S PROCESSING, Application No. 07-117, Converse County.

Dear Mr. and Mrs. Stoltenberg:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system described as an 165 gallon plastic holding tank for slaughter house waste located in the SE 1/4 Section 18 T32N R71W; Converse County in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by July 13, 2007.

The owners agree to visually inspect the holding tank before and after each use and to transport all waste collected to the City of Douglas Waste Water Treatment Plant.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 07-117 in any future correspondence.

If you have any questions, please contact me at 307-777-7088.

Sincerely,

Louis B. Harmon PE-PG
Southeast District Engineer
Water Quality Division

LBH/rm/7-0213

cc: IPS, Cheyenne
MS Linda Stratton, Consumer Health Services, Wyoming Dept. of Agriculture
Paul Musselman, Special Assistant to Commissioners, Converse County Courthouse Suite B-6, Douglas WY 82633

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-118

OAK TREE INN & PENNY'S DINER
PWS Not Assigned

This permit hereby authorizes the applicant:

Mr. William Burgess
LODGING ENTERPRISES
8110 E 32ND ST N 100
WICHITA, KS 67226

to construct, install or modify a waste water system consisting of a two stage single cell lagoon, landscaping and a ground water well supplied non-transient non-community water supply system according to the procedures and conditions of the application number 07-118. The facility is located in NW ¼ NW 1/4 Section 34 T38N R70W; Converse County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed August 11, 2009.

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

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

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

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

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

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

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

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

- 1 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 A disinfection system consisting of a tablet style chlorinator mounted on the well head will be installed.
- 3 The 60 mil HDPE Lagoon Liner will be installed with a thirty inch deep anchor trench and will be vented at the upper edge as recommended by the installer.
- 4 An operation and maintenance manual for both the water and wastewater systems will be submitted to the DEQ for review before the systems are placed in service.
- 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.

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

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

Date of Issuance

3/29/7

LBH/rm/7-0248
JRE 3/29/7

STATEMENT OF BASIS

1. Permit Number: 07-118
2. This application was reviewed for compliance with the applicable regulations ;

Chapters 3, 11, and 12

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

Yes

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

Public water supplies are exempted from review by Chapter 3, Section 17.

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Louis Harmon, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on March 28, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-119

BROWNIE WELL NO.1 REPLACEMENT & WATER LINE REPLACEMENT
PWS WY5600509

This permit hereby authorizes the applicant:

Bill R. Burkle, Owner
Lake Water Company
PO Box 453
Wheatland, WY 82201

to construct, install or modify a replacement of Brownie Well No. 1 and 1/4 mile of 2" diameter water line replacement with Schedule 80 PVC according to the procedures and conditions of the application number 07-119. The facility is located in NE NW1/4 Section 14 T29N R68W; PLA County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed May 10, 2009. The issuance of this permit confirms that the Wyoming Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator.

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

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

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

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

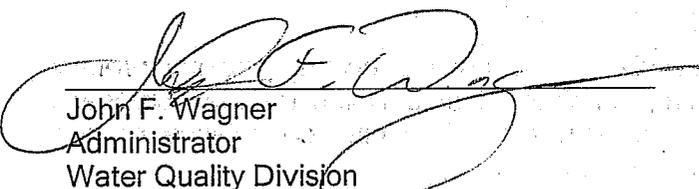
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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

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

- 1 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

Date of Issuance

3/14/07

LBH/rm/7-0192

ARC 3/12/7

STATEMENT OF BASIS

1. Permit Number: 07-119

1. This application was reviewed for compliance with the applicable regulations ;

Chapters 3, 12

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

Yes

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

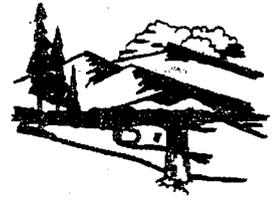
Public water supplies are exempted from review by Chapter 3, Section 17.

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 Louis Harmon, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on March 12, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 16, 2007

Mr. John Farr
PO BOX 187
ENCAMPMENT, WY 82325

RE: ENCAMPMENT SWR LINE EXT-DILLON AVE, Application No. **07-120**, Carbon County

Dear Mr. Farr:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as sewer lines, NW SW1/4 Section 1 T14N R84W; Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2009.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-120** in any future correspondence.

If you have any questions, please contact me at 307-777-7088.

Sincerely,

Louis B. Harmon PE-PG
Southeast District Engineer
Water Quality Division

LBH/rm/7-0216

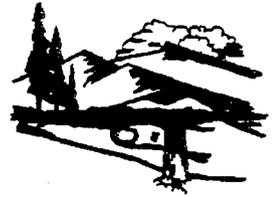
cc: IPS, Cheyenne

JON ANDERSON; PMPC; PO Box 370, Saratoga, WY 82331





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

January 2, 2009

City of Cheyenne
Attn: Kim Stevens, 1% Construction Manager
City Engineer's Office
2101 O'Neil Avenue, Room 201
Cheyenne, Wyoming 82001

RE: Deming-Walterscheid Reconstruction Project, App. No. 07-121
Request for Time Extension: GRANTED
New Expiration Date is Now: June 7, 2010

Dear Ms. Stevens:

The Wyoming Department of Environmental Quality / Water Quality Division(WQD) has received and reviewed your letter dated December 9, 2008 requesting a one year time extension to the above mentioned project. This project was originally reviewed by the WQD in May of 2007, and a "NOTIFICATION OF COVERAGE"(NOC) was issued on June 7, 2007 under two General Permits to Construct. One of the general permits is for existing public water supply systems, and the other for existing sewage collection systems. The NOC is currently scheduled to expire on June 7, 2009.

Your letter indicates that because of delays in bidding the project, construction will not start until the first quarter of 2009. The letter also indicates that no need for any changes to any of the water or sewer line plans have arisen during this time.

Under these circumstances, and since the plans remain unchanged from what the WQD originally approved, a one year time extension is hereby granted. The revised expiration date is now June 7, 2010. A copy of this letter will go into the WQD file for Application No. 07-121, and the WQD recommends that you keep a copy of this letter with your other approved documentation for this project.

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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If you should have any further questions or concerns, please contact me at either 777-6183 or rewald@wyo.gov.

Sincerely,

A handwritten signature in cursive script that reads "Ronald L. Ewald".

Ronald L. Ewald
Consulting Engineer
SE District, Water Quality Division

RLE/rm/9-0001

Enclosure: Copy of Notification of Coverage #07-121



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 7, 2007

City of Cheyenne
Attn: Jeff Fanning, Assistant City Engineer
2101 O'Neil Ave., Room 206
Cheyenne, Wyoming 82001

RE: Deming/Walterscheid Reconstruction Project,
Location: Section 6, T14N, R66W,

Application No. **07-121**
Laramie County

Dear Mr. Fanning:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and Existing Sewage Collection Systems 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, 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 permits. Additionally, the following project specific conditions also apply:

1. Additions to Wyoming Public Works Standard Specifications for Waterline Construction:
 - a. Section 2665 E.6 - Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.
 - b. Section 2675 D - Flushing shall achieve minimum velocities of at least 5 feet per second for pipelines 12 inches in diameter or less. Flushing shall be through flush valves and a discharge pipe to the surface. Fire hydrants shall not be flushed until after the water main or distribution line is flushed.

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ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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The approval granted under this Notification Of Coverage and the General Permit shall expire on June 7, 2009. Please reference Application Number 07-121 in any future correspondence.

If you have any questions, please contact me at (307) 777-6183.

Sincerely,

A handwritten signature in cursive script that reads "Ronald L. Ewald". The signature is written in dark ink and is positioned above the typed name.

Ronald L. Ewald, P.E.
Consulting Engineer
Southeast District, Water Quality Division

RLE/rm/7-0474

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne
Kent Stepan, Stantec Consulting, 3995 South 700 East, Suite 300,
Salt lake City, Utah 84107
Herman Noe, Cheyenne BOPU, P.O. Box 1469 Cheyenne, Wyoming 82003

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

PROJECT: Deming/Walterscheid Reconstruction Project: Water & Sewer

LOCATION: Section 6, T14N, R66W, Laramie County

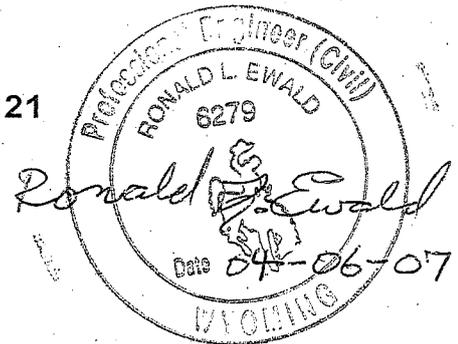
ENGINEER: Kent Stepan
Stantec Consulting
3995 South 700 East, Suite 300
Salt Lake City, Utah 84107
Ph: (801) 743-4916

APPLICANT: City of Cheyenne
Attn. Jeff Fanning, Assistant City Engineer
2101 O'Neil Ave., Room 206
Cheyenne, Wyoming 82001
Ph: (307) 637-6264

WATER QUALITY DIVISION REFERENCE NUMBER: 07-121

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

DATE OF REVIEW: April 6, 2007



ACTION: NOT AUTHORIZED FOR CONSTRUCTION. In accordance with Section 12 (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 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

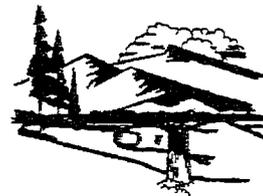
COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Wyoming Licensed Professional Engineer Required to Sign and Seal the Plans - A Wyoming licensed P.E. is required to sign and seal the application materials, including the plans and the Engineering Design Report(EDR). A Mister Kent Stepan is listed on the application form as the Wyoming licensed P.E. for Stantec Consulting on this project. However, the EDR was signed by a Mister Steve Kramer and the project design plans were also prepared by Mr. Kramer. None of these documents contains any Wyoming licensed P.E. seal. Three sets of plans and three copies of the EDR properly signed and sealed need to be submitted.
2. Water Main Pressure Analysis Required - No pressure analysis of this portion of the extended and modified water distribution system was provided in the EDR. Since eight(8) new fire hydrants are being added to the system at various locations along the line, the residual water pressures under fire flow conditions need to be analyzed. The Cheyenne BOPU should be able to provide background flow test data for several nearby fire hydrants, including static and residual pressures, and flow rates. Several different scenarios should be analyzed or tested to see which one results in the lowest residual pressure at what location along the line. In other words, vary the fire hydrants and/or combinations where the fire flows are extracted.

RLE/rm/7-0279



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 5, 2007

Sean Scarlett, Manager
MKGS Investments, LLC
P.O. Box 4198
Jackson, WY 83001

RE: MKGS Townhouses' Water & Sewer Lines, Permit Number: 07-122, NE ¼, Section 34, T41N, R116W, Teton County

Dear Mr. Scarlett:

This project involves the installation of approximately 140 linear feet of 4-inch water line and 155 linear feet of 6-inch sewer line to serve two existing and five new town houses. The above 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 facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

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

Sincerely,

James Brough, P.E.
Environmental Engineer
Water Quality Division

xc: IPS, Cheyenne
Amy Ramage, P.E., Valley West Engineering, P.O. Box 4852, Jackson, WY 83001
Shawn O'Malley, P.E., Town of Jackson, P.O. Box 1687, Jackson, WY 83001

encl: General Permits For a Public Water Supply System and an Existing Sewage Collection System



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-123

TOWN OF PINE BLUFFS-LANCE/FOX HILLS PROJ
PWS WY5600040

This permit hereby authorizes the applicant:

TOWN OF PINE BLUFFS
203 MAIN ST
PINE BLUFFS, WY 82082

to construct, install or modify a 60 hp pump, VFD, meter pit, and water lines according to the procedures and conditions of the application number 07-123. The facility is located in SW ¼ SW ¼ Section 10 T14N R60W; Laramie County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed May 10, 2009.

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

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

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

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

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

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

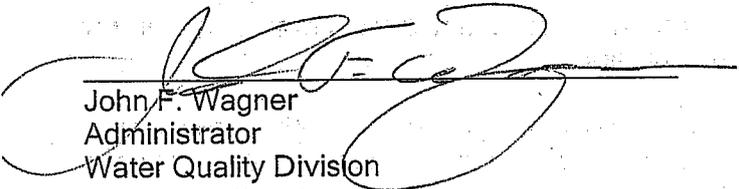
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and

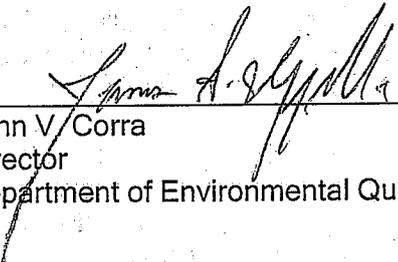
permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

- 1 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 The Crispin Deep Well Valve vent must be extended to discharge at least 18" above the ground where the water can't drain back into the vault. The vent must be turned down and screened. A 1/8" diameter weep hole may be drilled in the vent pipe inside the vault to allow drain back to prevent freezing of water in the vent pipe.
- 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

Date of Issuance 03/23/07

LBH/rm/7-0223

STATEMENT OF BASIS

1. Permit Number: 07-123
2. This application was reviewed for compliance with the applicable regulations ;
 - i. Chapters 3, 12
3. Does the permit comply with all applicable regulations identified above?
 - i. Yes
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.
5. Public water supplies are exempted from review by Chapter 3, Section 17.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Louis Harmon, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on March 20, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-124

Shooting Star Subdivision, Phase 1

This permit hereby authorizes the applicant:

John L. Resor, President
Crystal Springs Ranch, Inc.
3490 Clubhouse Dr.
Wilson, WY 83014

to construct a water distribution system with 8-inch and 12-inch diameter water mains, two pressure reducing vaults, several air release vaults, and to construct a sewage collection system involving 8-inch diameter gravity sewer mains, a 6-inch forced main, and a 10-foot diameter lift station; according to the procedures and conditions of the application number 07-124. The Shooting Star Subdivision's water distribution system and sewage collection system will both be connected to Teton Village Water and Sewer District supply and treatment facilities. The facility is located within Section 25, Township 42 North and Range 117 West in the county of Teton, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by June 1, 2009.

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

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

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

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

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

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

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

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

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

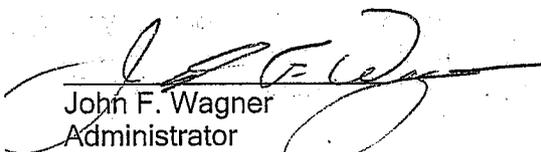
1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter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

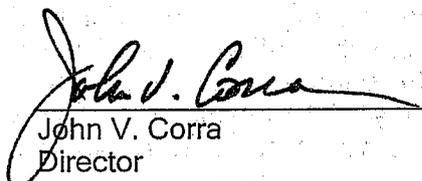
2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

4-13-07
Date of Issuance

JSB/rm/7-0303

STATEMENT OF BASIS

1. Permit Number: 07-124
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. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water systems and existing sewage collection systems are exempted from review by Chapter 3, Section 17.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

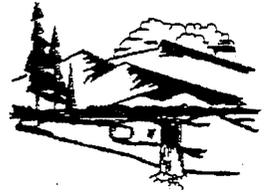
The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, jbroug@state.wy.us, Environmental Engineer and completed on April 12, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

Cc: Bret Winkler, P.E., Rendezvous Engineering, P.O. Box 4858, Jackson, WY 83001
Robert R. Norton, P.E., Teton Village Water & Sewer District, P.O. Box 586, Teton Village, WY 83025

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Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 11, 2007

ARCHIVES

Shawn O'Malley, P.E.
Town of Jackson,
P.O. Box 1687
Jackson, WY 83001

RE: Town of Jackson - 2007 Waterline Improvements Project, Permit Number: 07-126,
Section 33, T41N, R116W, Teton County

Dear Mr. O'Malley:

This project involves the installation of approximately 1,500 linear feet of 8-inch, ductile iron pipe water main along Upper Cache Drive, Cache Creek Drive, and Aspen Drive. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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

Sincerely,

James Brough, P.E.
Environmental Engineer
Water Quality Division

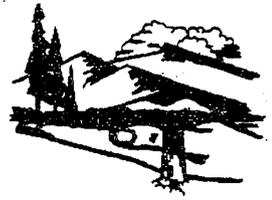
xc: Thomas Kirsten, P.E., Jorgensen Associates, P.O. Box 9550, Jackson, WY 83002
IPS, Cheyenne

encl: General Permit For a Public Water Supply Distribution System





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 16, 2007

Mr. Herman Noe
Cheyenne Board of Public Utilities
P.O. Box 1469
Cheyenne WY 82003

RE: WYOMING TRIBUNE EAGLE WATER MAIN, Application No. **07-128**, 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 and of Existing Sewage Collection Systems described as water line upgrade from 4" diameter to 8" diameter, NW1/4 Section 6 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 general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2009.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-128** in any future correspondence.

If you have any questions, please contact me at 307-777-7088.

Sincerely,

Louis B. Harmon PE-PG
Southeast District Engineer
Water Quality Division

LBH/rm/7-0211

cc: IPS, Cheyenne

Lawrence R. Gallagher; Summit Engineering LLC, 5907 Townsend Place
Cheyenne WY 82009

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

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



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 16, 2007

Carbon County Fair Board
P.O. Box 1414
Rawlins WY 82301

RE: RAWLINS FAIR GROUNDS SWR MAIN, Application No. **07-129**, Carbon County

Dear Mr. Jerry Kraft:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as sewer line relocation to accommodate a new building, NW ¼ NW 1/4 Section 16 T21N R87; Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2009.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-129** in any future correspondence.

If you have any questions, please contact me at 307-777-7088.

Sincerely,

Louis B. Harmon PE-PG
Southeast District Engineer
Water Quality Division

LBH/rm/7-0212

cc: IPS, Cheyenne



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-130

REFERENCE PERMIT NO. N/A

Rock Well Petroleum, Inc.
Osage Mine Wastewater Collection Line

This permit hereby authorizes the applicant:

Rock Well Petroleum, Inc.
P.O. Box 250
Osage, WY 82723

to construct, install or modify the Osage Mine Wastewater Collection line, according to the procedures and conditions of the application number 07-130. The facility is located in the SE1/4 SW1/4 of Section 15, Township 46 North, Range 63, Weston County, approximately 2 miles southeast of the town of Osage, Wyoming. All construction, installation, or modification allowed by this permit shall be completed within one year of issuance.

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

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

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

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

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

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

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

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

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

- 1 of 4 The applicant will provide immediate oral or written notice to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601, Phone 307-473-3465, FAX 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 4 In accordance with the permit application, the applicant must discontinue any discharges to the Town of Osage Lagoon system, should the lagoons approach the limits of their capacity (WDEQ Permit No. 90-055). The applicant has been given permission from the Town of Osage to discharge up to 3,500 gallons per day of domestic wastewater to the lagoons.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

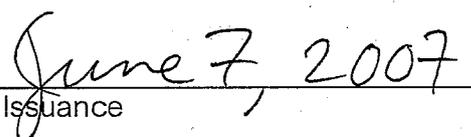
AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality



Date of Issuance

KLF/rm/7-0476

cc: Jack Fritz, P.E., WWC Engineering, 1849 Terra Avenue, Sheridan, WY 82801
Willis Willadson, Osage Sewer District, P.O. Box 156, Osage, WY 82723

STATEMENT OF BASIS

1. Permit Number: **07-130**
2. Application reviewed for compliance with the following applicable regulations :
Chapter 3 and Chapter 11 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?

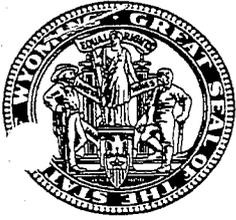
NO

The permit approval is based upon a deviation from applicable regulations in accordance with Section 5 of Chapter 11.

4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.
 - a. A deviation from Chapter 11, Section 9 (c)(ii)(A) which calls for the minimum size of force main to be 4" in diameter will be allowed. 3" HDPE piping will be allowed due to the reduction in solids resulting from the inclusion of two effluent filters – one just prior to the septic tank outlet, the second within the dosing tank and pump vault.
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley and completed on June 7, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

April 23, 2007

Todd Koehler
4709 Rocky Point
Gillette, WY 82718

RE: Koehler Wastewater Holding Tank for Domestic Meat Processing, WDEQ # 07-131

Dear Mr. Koehler:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

Additionally, the following project specific conditions also apply:

- A. Grease Trap – A grease trap meeting the requirements specified by the City of Gillette Wastewater Division must be installed prior to use (letter attached).

If you have any questions please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3478. Thank you.

Sincerely,

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

Enclosures: General Permit
Certificate of Completion

cc: TPS, Cheyenne
Keith Bowar, Campbell County, 500 South Gillette Avenue, Suite 1500, Gillette, WY 82716

Page 1 of 1





The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

June 6, 2007

Jay R. Ligocki, PE
Vista West Engineering
P.O. Box 785
Sheridan, WY 82801

RE: SCA GA Hangar Access Road & Fuel Farm, WDEQ #07-132, Sheridan County

Dear Mr. Ligocki:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Public Water Supply Distribution Systems in accordance with Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations and for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V. Section O. of the general permits.

In addition, the following permit conditions apply:

1) In the event that hydrocarbon contamination is encountered, pipe and gasket material that is accepted for use in these instances will be required. Immediate notification of the situation shall be made to the City of Sheridan and the Wyoming Department of Environmental Quality.



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

Sincerely,

Karen L. Farley

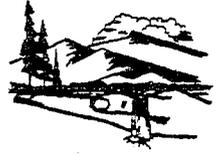
Karen L. Farley, P.E.
WDEQ/WQD
Northeast District Supervisor

Enclosures: General Permits
 Application with plans and specifications
 Certificate of Completion

cc: John W. Stopka, Sheridan County Airport, 908 W. Brundage Lane,
 Sheridan, WY 82801(w/o plans and specifications)
 Mike Cole, City of Sheridan, P.O. Box 848, Sheridan, WY 82801(w/o plans and specifications)
 WDEQ File
 IPS (Cheyenne)



The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

May 24, 2007

Martin Spurlock
Building Solutions, Inc.
428 East Colorado Blvd.
Spearfish, SD 57783

RE: Lot 10, Block 1, Sundance View Estates
Residential Septic System, Permit # 07-133

Dear Mr. Spurlock:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

Additionally, the following project specific conditions also apply:

- A. In the event that a replacement leachfield has to be installed in the future, new percolation tests will have to be performed prior to the design and construction of a new leachfield.

If you have any questions please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3465. Thank you.

Sincerely,

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

Enclosures: General Permit
Certificate of Completion

cc: Alan Schreier, P.E., Schreier Engineering, 1403 5th Avenue, Suite 6, Belle Fourche, SD, 57717
Tim Lyons, Crook County Growth and Development Coordinator, P.O. Box 848, Sundance, WY 82729
IPS, Cheyenne
File (WDEQ)



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

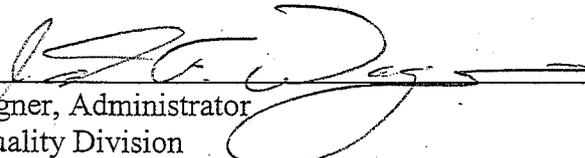
Permit Number UIC 07-135
UIC Facility Number WYS-019-00224

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: Beneterra, LLC
1415 N. Main Street
Sheridan, WY 82801
(307) 673-0607

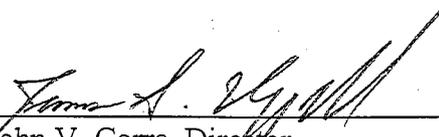
Beneterra, LLC, hereafter referred to as the permittee, is authorized to operate the proposed Class V (5F2) Subsurface Drip Irrigation (SDI) Project known as the Headgate Draw Project in Sections 9, 10, 15, and 16, Township 52 North, Range 77 West, 6th Principal Meridian, Johnson County, according to the procedures and conditions of application UIC 07-135 and requirements and other conditions of this area permit.

This permit shall become effective on date of issuance.



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

7/17/07
Date



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

7/17/07
Date

UW/rm/7-0577

Table of Contents

A.	Discharge Zone.....	3
B.	Well and Area of Review	3
C.	Groundwater Classification.....	4
D.	Authorized Operations.....	4
E.	Hazardous Waste.....	4
F.	Proper Operation and Maintenance	4
G.	Entry and Inspection.....	5
H.	Environmental Monitoring Program for Groundwaters of the State.....	5
I.	Requirements for Monitoring the Discharge.....	6
J.	Test Procedures	9
K.	Records and Reports.....	9
L.	Permit Actions	10
M.	Abandonment	10
N.	Duties of the Permittee	11
O.	Signatories Requirement	11
P.	Noncompliance.....	12
Q.	Permit Transfer.....	12
R.	Property Rights.....	12
S.	Severability.....	12

A. Discharge Zone

The Headgate Draw Project is authorized to inject into the alluvial deposits adjacent to the Powder River, a perennial stream in northern Johnson County.

B. Well and Area of Review

The injection wells associated with the Headgate Draw Project authorized by this area permit are located as follows:

There are six irrigated fields associated with this project located in parts of sections 9, 10, 15, and 16, Township 52 North, Range 77 West, 6th Principal Meridian. Each of these fields is authorized as an injection well. The locations of the approximate center of each field are listed in Table 1 below. Maps showing the project location and the layout of the irrigated fields are presented in Figures 1 and 2 of Application for Underground Injection Control Permit for Subsurface Drip Irrigation Project, Lance Oil and Gas Company, Headgate Draw Project. The injectate will be sampled at the surge pond which is located in the NW and SW quarters of the NE quarter of section 9, Township 52 North, Range 77 West, 6th Principal Meridian.

Table 1 (Field Locations)

Field Identification	Location of Field Center
3	NWNWNE, Section 16, T. 52N, R. 77W
4	NWSWNE, Section 16, T. 52N, R. 77W
5	NENENE, Section 16, T. 52N, R. 77W
6	SEWSE, Section 9, T. 52N, R. 77W
7	SESENE, Section 9, T. 52N, R. 77W
9	NENWSW, Section 10, T. 52N, R. 77W

The Area of Review around these systems is described as follows:

The area of review includes all portions of the aquifer which will be affected in a measurable way within ten years of granting the permit. The Headgate Draw area of review was calculated based on the following:

- Direction of groundwater flow;
- Proximity of the project to hydrologic boundaries (i.e., bedrock outcrops and subcrops, Powder River, Crazy Woman Creek); and
- Monthly water balance calculations.

The water balance calculations were computed for each of the six proposed fields on a monthly basis for the ten year duration of the operation and included the following assumptions:

- Monthly precipitation rates based on historical data from Arvada, Wyoming,
- Average vadose zone thickness and porosity for each field based on observations made during site investigation,
- Monthly evapotranspiration rates of the irrigated crop estimated using the Blaney-Criddle method,

- Monthly irrigations rates specific to each field,
- Average water holding capacity,
- Average rooting zone depth, etc.

In addition to the above calculations, evapotranspiration from the large riparian zones adjacent to the Powder River and Crazy Woman Creek were considered. Evapotranspiration from these riparian zones create natural groundwater sinks. Detailed explanation of the water balance calculations and assumptions is presented in the Application for Underground Injection Control Permit for Subsurface Drip Irrigation Project, Lance Oil and Gas Company, Headgate Draw Project received by WDEQ/WQD January 23, 2007 and in a letter from H. Kaiser, Hydrometrics, dated April 18, 2007.

C. Groundwater Classification

Nine monitor wells were installed in the project area and used to characterize the groundwater. Water quality analyses indicate the groundwater beneath the proposed operation is Class III in accordance with Wyoming Water Quality Rules and Regulations, Chapter 8. Ambient water quality exceeds Class I and Class II standards for TDS and Sulfate (Table 1- Chapter 8) in all groundwater quality samples.

D. Authorized Operations

The permittee is authorized to inject 1.05 million gallons per day of produced coalbed methane water through the Headgate Draw Project. The produced water originates from coal bed methane wells completed in the Wall coal seam. Water migrating from the drip irrigation system shall not enter into the Powder River.

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 facilities covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapter 16.

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

G. Entry and Inspection

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

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Department.
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 decommissioning procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
7. The permittee shall report any noncompliance which may endanger health or the environment within 24 hours from the time the operator becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;

- c. A written submission shall be provided within 5 days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.
9. 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 30 days following each schedule date.

I. Requirements for Monitoring the Discharge.

1. The permittee shall monitor the quantity and quality of the injected fluid on the schedule listed in Table 2 below.

Table 2 (Injected Fluid Sampling Schedule)

Sampling and Reporting Schedule	Parameter Analyzed	Analytical Method	Permit limit or UCL
Quarterly 12/31; 3/31; 6/30; 9/30	Total Volume discharged to each field (Field 3, Field 4, Field 5, Field 6, Field 7, Field 9)	Duration of flow, pressure and valve capacity	The volume of flow from all six fields combined shall not exceed 1.05 million gallons/day
Annually 12/31	Total Dissolved Solids (sample to be collected at the surge pond)	EPA 160.1	5,000 mg/L

THIS SPACE INTENTIONALLY LEFT BLANK

2. The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in Table 3.

Table 3 (Groundwater Sampling Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	REPORTING SCHEDULE (DUE DATE)	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT
All*	Monthly	Quarterly (3/31; 6/30; 9/30; 12/31)	Depth to static water (ft)	Steel tape with chalk or electronic tape	None (tracking purposes: surface water protection)

05

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

A. Area Permit Number: UIC 07-135

B. Facilities Covered: The Beneterra, LLC., Headgate Draw CBM Project (subsurface irrigation system) is located on the Powder River alluvium in northern Johnson County, Wyoming. These facilities will inject produced coal bed methane water into the Quaternary alluvial deposits at depths up to 10 feet. The system is designed to inject up to a capacity of 1.05 million gallons per day. Because of the nature of this water, the permit has been written to allow up to this capacity.

C. Class of Facility: 5F2 (Under 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 Chapters 8 and 16. Groundwater beneath this proposed facility was classified as a Class III. Groundwater monitoring is proposed for this site to protect for Class III groundwater. This permit provides for a flow capacity of 1.05 million gallons per day.

VI. Documentation of Statement of Basis.

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

VII. Applicant and Public Participation

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

B. A Public Notice has been issued with a public notice period starting June 14, 2007 and ending on July 14, 2007. (Thirty day notice is required by Chapter 16.) This notice was published in the Buffalo Bulletin 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 Section 5, Chapter 16, Wyoming Water Quality Rules and Regulations. This review was performed by Ursula Williams, P.G # 1503, Groundwater Program, North District Senior Analyst, and completed on March 21, 2007. 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."

UW/rm/7-0577

**UNDERGROUND INJECTION CONTROL
NOTIFICATION OF CONSTRUCTION COMPLETION OF INJECTION WELL**

Operator Name: _____

Permit Number: _____

Facility Name: _____

Facility Number: _____

Well (field) I.D.: _____

In accordance with the Wyoming Department of Environmental Quality/Water Quality Division, Chapter 16, Section 5(c)(i)(U), or Chapter 13, Section 9(d)(xxiv) the permittee must submit notice of completion of construction (of individual injection well(s) or facility) to the administrator and allow for inspection of the facility upon completion of construction, prior to commencing any injection activity.

I hereby certify:

1. Construction of the permitted facility was completed on _____ (DATE) and the facility will be placed in operation on _____ (DATE).
2. The facility was constructed in compliance with all terms and conditions of the permit including the report, plans and specifications, design data or other information submitted in support of the application. (If a Wyoming licensed professional geologist and/or professional engineer was used to develop the application, please have them complete the form below as appropriate.)

Facility Owner (print or type)

Date _____

Signature of Facility Owner

P.G. No.: _____

Name of Geologist (print or type)

Date _____

Signature of Geologist

P.E. No.: _____

Name of Engineer (print or type)

Date _____

Signature of Engineer

Class 5F2: Submit form to:

WDEQ
Attn: Groundwater Program
1866 S. Sheridan Ave
Sheridan, WY 82801

Or
Email form (pdf) to:
cbmg
roundwater@state.wy.us
UW/rm/7-0577

All other UIC permits: Submit form to :

WDEQ
Attn: UIC Program
Herschler Building 4th West
122 West 25th Street
Cheyenne, WY 82002

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-136R

Riverside Cemetery District's Wastewater Land Application

This permit hereby authorizes the applicant:

Biff Beck, Vice Chairman
Riverside Cemetery
1721 Gulch Street
Cody, WY 82414

to install a wet well pump and ultraviolet unit to deliver and disinfect treated wastewater from the City of Cody for the beneficial use of land application at the Riverside Cemetery; according to the procedures and conditions of the application number 07-136R. The facility is located within SE ¼, Tract 39, Township 53 North and Range 101 West in the county of Park, in the State of Wyoming which is within the city limits. All installations and land applications allowed by this permit shall be effective for a period of five years from the date of issuance of this permit (May 21, 2012).

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

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

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

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

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

The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, 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 7 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 7 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis."
- 3 of 7 Section 13 of Chapter 21 requires that the parameters fecal coliform, nitrate, ammonia, and pH all be tested and that the monitoring frequency be equivalent to the frequency specified in the WYPDES permit (i.e., three times per month). The results of the monitoring parameters shall be entered onto a spreadsheet and electronically sent to the Northwest District Engineer at jbroug@state.wy.us by December 1st of each year. You may request a reduction in the monitoring frequency after two seasons (i.e., April through October is one season) if the data supports it.
- 4 of 7 DEQ will consider the treated wastewater as "Class B wastewater" (e.g. fecal coliform count less than 200 colonies per 100 milliliters) until it consistently (e.g., three consecutive months) demonstrates that it meets "Class A wastewater" standards (i.e., fecal coliform count less than 2.2 colonies per 100 milliliters). As such, Chapter 21 allows Class B wastewater use for irrigation of "land with a moderate potential for public exposure." This is defined by limited public access during irrigation periods. Thus, Class B wastewater can be used on a cemetery if the following stipulations are met: 1) signing and fencing is provided to restrict access, and 2) irrigation occurs during the night. You may note that the site isolation requirements for Class A or Class B wastewater are the same.
- 5 of 7 Section 8 of Chapter 21 states "the treated wastewater shall be applied for the purpose of beneficial reuse and shall not exceed the irrigation need or demand of the vegetation at the site." Through the DEQ review process, it was discovered that the quantity of wastewater that can be applied to the cemetery may be restricted by the agronomic rate (i.e., nitrate loading for beneficial vegetation use). DEQ has had further discussions with Kelli Belden, Director of Soil Science Laboratory at University of Wyoming, and with Bonda Habets, NRCS State Agronomist, regarding the maximum nitrate loading for the cemetery. This project was designed using the maximum nitrate loading rate (i.e., 174 pounds nitrogen per acre-season) for Kentucky Bluegrass which requires more nitrogen than other species of grass. There are factors (e.g., different species of grass used, infrequent grass cuttings, higher treated wastewater nitrogen levels, etc.) which may make the design nitrogen loading rate become excessive and thus require a reduction in the quantity of applied treated wastewater. Attached is a sample calculation of the maximum hydraulic loading rate based upon a nitrogen balance.
- 6 of 7 In accordance with Section 9 of Chapter 21 of Water Quality Rules and Regulations, the following site isolation requirements must be adhered to:

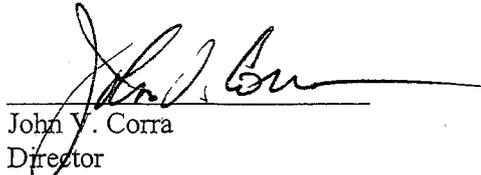
- (i) Wind drift shall not leave the application site.
- (ii) A 30-foot buffer zone is required between the reuse site and adjacent property lines. Public right-of ways may be utilized to meet this requirement for a buffer zone.
- (iii) A 30-foot separation distance is required between reuse sites and all surface waters.
- (iv) A 100-foot separation distance is required between reuse sites and all potable water supply wells.
- (v) Surface runoff shall not leave the application site.

7 of 7 An operation and maintenance manual must be available for the UV disinfection unit.

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

5/16/07
Date of Issuance

JSB/rm/7-0407
APR 5-16-7

STATEMENT OF BASIS

1. Permit Number: 07-136R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 21 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. NA
5. If Section 17 of Chapter 3 is applicable, indicate the basis of determining groundwater will be protected.
Reuse of treated wastewater is exempted from review by Chapter 3, Section 17. This permit limits the hydraulic loading rate of the treated wastewater based upon a nitrogen balance.
3. Documentation of Statement of Basis.
The archive file for this permit will include adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, jbroug@state.wy.us, Environmental Engineer and completed on May 16, 2007. 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: Heather Christensen, P.E., Graham, Dietz and Associates, P.O. Box 338, Cody, WY 82414
Stephen Payne, P.E., City of Cody, P.O. Box 2200, Cody, WY 82414

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-137

CHEYENNE BOPU-2007 BELL WELL NO. 12 REHAB PROJECT
PWS WY5600011

This permit hereby authorizes the applicant:

Mr. Herman Noe
CHEYENNE BOPU
2100 PIONEER AV
CHEYENNE, WY 82001

to construct, install or modify a Bell 12 Replacement Well and Well House according to the procedures and conditions of the application number 07-137. The facility is located in NE 1/4 SW1/4 Section 14 T14N R68W; Laramie County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed August 11, 2009.

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

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

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

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

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

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

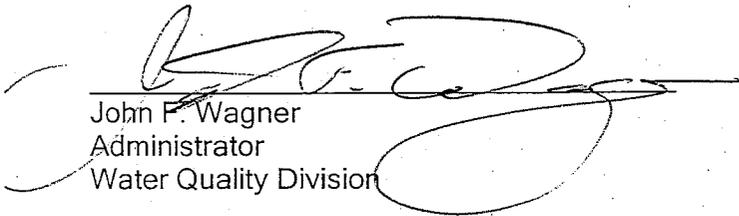
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

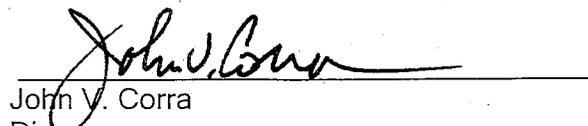
- 1 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 This permit applies only to the replacement of the Bell No. 12 well. The Bell No. 8 well may be bid, but a permit to construct must be obtained before the initiation of any construction activities associated with the replacement of the Bell No. 8 well.
- 3 A minimum of 20 foot long bentonite chip seal must be placed in the annular space immediately below the lower screened section within the Ogallala Formation (across the contact between the Ogallala and White River formations.)
- 4 If the White River Formation has a static head greater than 15 ft different than the static head of the Ogallala Formation, the well will be completed to a single formation.
- 5 If the water production from the lower (White River) zones of the well is less than 25 gpm at the pumping head necessary to prevent cascading water from occurring in the Ogallala portion of the well, the portion of the well below the Ogallala Formation will be plugged. If the White River Formation should prove capable of producing more than 200 gpm, a well completed only to the White River shall be required.
- 6 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.

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

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

Date of Issuance 4-13-07

LBH/rm/7-0305

STATEMENT OF BASIS

- 1 Permit Number: 07-137
- 2 This application was reviewed for compliance with the applicable regulations ;
Chapters 3, 12
- 3 Does the permit comply with all applicable regulations identified above?
- 4 No
- 5 The permit approval is based upon a deviation from applicable regulations in accordance with Section 5 of Chapter 12.
 - a. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
Chapter 12, Section 9(b)(iii)(B)(IX), if the well penetrates more than one aquifer or water bearing strata, every aquifer or strata shall be sealed off to prevent migration of water.
 - b. Briefly state the basis for the deviation.
After demonstration that the Ogallala and White River Formations behave as a single aquifer, the well may be completed to both formations.
- 6 A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.
- 7 Public water supplies are exempted from review by Chapter 3, Section 17.
- 8 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 Louis Harmon, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on April 13, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

REVIEW OF PLANS AND SPECIFICATIONS

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

PROJECT: Cheyenne BOPU 2007 Well Rehabilitation
ENGINEER: States West
APPLICANT: Cheyenne BOPU

WATER QUALITY DIVISION REFERENCE NUMBER: 07-137
REVIEWING ENGINEER: Louis B. Harmon
DATE OF REVIEW: March 29, 2007



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

COMMENTS, INADEQUACIES, AND QUESTIONS

1. An engineering design report is required by Chapter 12, Section 6. The design report should include the pilot well sample description logs along with the geologic information and sp log included on the plans.
2. A justification must be made to allow a variance for the multiple aquifer completion proposed.
3. The design report should describe the criteria for the sizing and placement of the pump. If the pump is to be suspended below the upper screen a variance and justification must be provided.

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-139

TOWN OF SINCLAIR-WEST LIFT STATION REPLACEMENT

This permit hereby authorizes the applicant:

Mayor Phyllis McWhorter
Town Of Sinclair
Po Box 247
Sinclair, Wy 82334

to construct, install or modify a lift station rehabilitation and force main modifications according to the procedures and conditions of the application number 07-139. The facility is located in the right of ways of Cleveland Avenue and 11th Street in the Town of Sinclair, NE 1/4 NE1/4 Section 20 T21N R86W; Carbon County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed August 11, 2009.

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

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

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

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

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

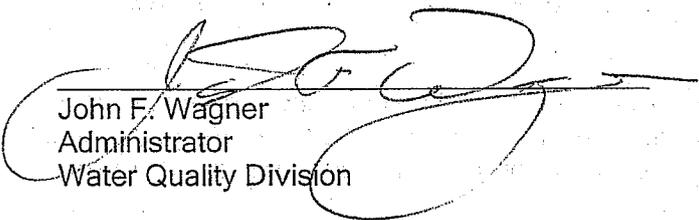
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

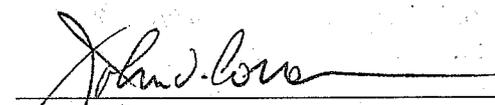
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

Date of Issuance

3/30/07

LBH/rm/7-0249

JRS 3/29/07

STATEMENT OF BASIS

1. Permit Number: 07-139
2. This application was reviewed for compliance with the applicable regulations ;

Chapters 3, 11

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

NO

4. The permit approval is based upon a deviation from applicable regulations in accordance with Section 5. of Chapter 11.
 - a. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

The permit includes approval to deviate from the following regulatory requirements: Chapter 11, Section 9(c)(ii)(C) which requires a minimum velocity of 2.5 fps in force mains

- b. Briefly state the basis for the deviation.

The existing force mains were installed in 1986 and have performed satisfactorily for the past 20 years with minimum velocities of approximately 2.0 fps. The modifications are designed to do what is feasible to increase minimum velocities, but cannot achieve 2.5 fps.

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

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

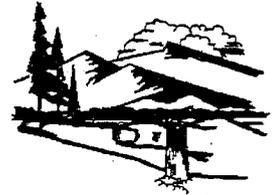
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

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 Louis Harmon, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on March 29, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 9, 2007

Fred Oneyear
1653 Missouri Flat Rd.
Thermopolis, WY 82443

RE: Oneyear Residential Small Wastewater Treatment Facility, Permit Number: 07-140R, SW ¼, Section 1, T8N, R8E, Hot Springs County

Dear Mr. Oneyear:

The above application for coverage under General Permit to construct a gravity flow septic tank and leachfield to serve a three bedroom home has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations and is hereby approved with the following comment.

The items from DEQ's April 4, 2007 review have been basically satisfied. The reviewer noted a few discrepancies in the design calculations; however, the overall size of the design leachfield is adequate.

You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please contact Lee Campbell, Hot Springs County Planner, at 307-864-2961 to schedule a construction inspection at least 24 hours prior to the beginning of construction.

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

Sincerely,

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

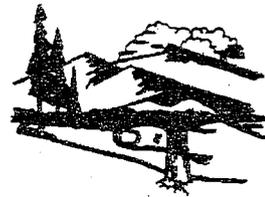
xc: IPS, Cheyenne
Lee Campbell, Hot Springs County, 415 Arapahoe, Thermopolis, WY 82443 (w/enclosures)

encl: General Permit For a Small Wastewater Facility





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 30, 2007

Mr. Herman Noe
Cheyenne Board of Public Utilities
P.O. Box 1469
Cheyenne WY 82003

RE: CHEYENNE MARKETPLACE WATER AND SEWER LINE EXTENSIONS,
Application No. **07-141**, 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 and of Existing Sewage Collection Systems described as 8" , 10" and 12" diameter water lines, 8" and 12" diameter sewer lines, manholes, and fire hydrants, 1/4 Section 20 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 permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by August 11, 2009.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-141** in any future correspondence.

If you have any questions, please contact me at 307-777-7088.

Sincerely,

Louis B. Harmon PE-PG
Southeast District Engineer
Water Quality Division

LBH/rm/7-0261

cc: IPS, Cheyenne
William Greene P.E., H.W. Lochner, 5917 Sunset Dr., Cheyenne Wy 82009

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

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

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

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

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

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

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

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-142

Town of Dubois Sanitary Sewer Repair and Lining Project

This permit hereby authorizes the applicant:

Mark Harrison, Mayor
Town of Dubois
P.O. Box 555
Dubois, WY 82513

to clean and television inspect almost 3,000 linear feet of 8-inch deteriorate concrete sewer line and to install almost 3,000 linear feet of PVC Fold-in-Place pipe, make multiple point repairs and to epoxy rehabilitate twelve sewer manholes; according to the procedures and conditions of the application number 07-142. The facility is located within SE ¼, Section 2, Township 41 North and Range 107 West in the county of Fremont, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by May 1, 2008.

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.

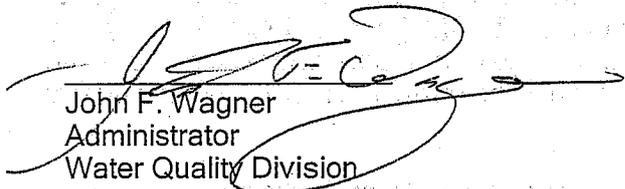
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

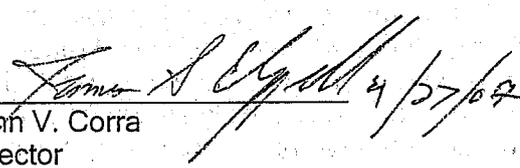
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

4-27-07
Date of Issuance

JSB/rm/7-0340
SRW 4-26-7

STATEMENT OF BASIS

1. Permit Number: 07-142
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes
4. 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.
Yes. Sewer relining is not covered by Water Quality's regulations nor is there a policy on design and construction, however, in recent years this technology has become more uniform and widely accepted. A video log of the project sewer main was performed and the design drawings show where point repairs are required due to line sags and due to poor joints.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Sewerage systems are exempted from review by Chapter 3, Section 17.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, jbroug@state.wy.us, Environmental Engineer and completed on April 25, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

Cc: Robert Norton, P.E., Nelson Engineering, P.O. Box 1599, Jackson, WY 83001
Tim Hayes, Town of Dubois, P.O. Box 555, Dubois, WY 82513

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The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

March 22, 2007

Daniel Swaney
Heritage Homes
Box 812
Moorcroft, WY 82721

RE: Swaney Residential Septic System, Crook County
Permit # 07-143

Dear Mr. Swaney:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

If you have any questions please contact Karen L. Farley at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3478. Thank you.

Sincerely,

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

Enclosures: General Permit
Certificate of Completion
cc: IPS, Cheyenne
Tim Lyons, Crook County, P.O. Box 37, Sundance, WY 82729

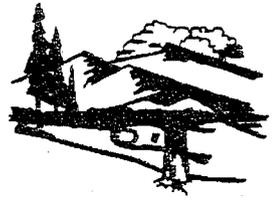
Page 1 of 1

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Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 30, 2007

Mr. Herman Noe
Cheyenne Board of Public Utilities
P.O. Box 1469
Cheyenne WY 82003

RE: THE VILLAGE SUBDIVISION WATER AND SEWER MAIN EXTENSIONS,
Application No. **07-144**, 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 and of Existing Sewage Collection Systems described as approximately 1100 ft of 8" PVC water main, 445 ft of 6" Ductile Iron water main, 1140 ft of 8" SDR 35 PVC sewer main with manholes and 6 fire hydrants, NE1/4 Section 19 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 permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by August 11, 2009.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-144** in any future correspondence.

If you have any questions, please contact me at 307-777-7088.

Sincerely,

Louis B. Harmon PE-PG
Southeast District Engineer
Water Quality Division

LBH/rm/7-0257

cc: IPS, Cheyenne
Bruce H Perryman, AVI PC, 2035 Westland Rd, Cheyenne Wy 82001

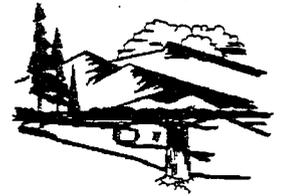
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 4, 2007

Shannon Nelson
Carob Ceramics, Inc.
1975 Blairstown Road
Rock Springs, WY 82901

RE: Rock Springs - Carob Ceramics, Inc., Water and Sewer Main Improvements & Casing - Permit Number 07-145, SW 1/4 & SE 1/4, Section 4, T18N, R105W, Sweetwater County

Dear Mr. Nelson:

The above application for coverage under General Permits to Construct water and sewer main improvements consisting of 126 feet of 18-inch PVC water main with casing and 320 feet of 12-inch PVC sewer main with casing in accordance with Chapter 3, Section 7, Chapter 12, Section 14 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits.

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

Sincerely,

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

xc: IPS, Cheyenne

Joe Lison, E.I.T., JFC Engineers, 1515 Ninth St., Rock Springs, WY 82901
Paul Kauchich, P.E., City of Rock Springs, 212 "D" St., Rock Springs, WY 82901
Ken Weskamp, City of Rock Springs, 212 "D" St., Rock Springs, WY 82901
Rahn Coonts, PCL, 2000 S. Colorado Blvd., Suite 2-500, Denver, CO 80222

encl: General Permit for a Public Water Supply Distribution System,
General Permit for a Sewage Collection System

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 332-3183



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-146R

Lincoln County Fairgrounds- Sewage Lift Station and Force Main

This permit hereby authorizes the applicant:

Lance Skinner, Chairman
Lincoln County Fair Board
P.O. Box 1396
Afton, WY 83110

to construct a sewage lift station with 860 linear feet of 3-inch HDPE force main and 740 linear feet of 8-inch PVC sewer main to serve a public restroom facility at the fairgrounds in the Town of Afton, according to the procedures and conditions of the application number 07-146R. The facility is located within NE 1/4, Section 25, T32N, R119W in the county of Lincoln, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by June 1, 2009.

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

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

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

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

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

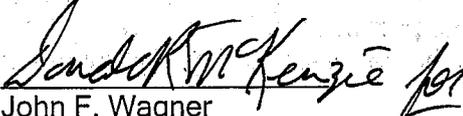
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

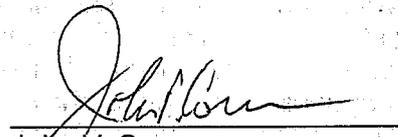
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 3 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

6/5/07
Date of Issuance

MDB/rm/7-0455

STATEMENT OF BASIS

1. Permit Number: 07-146R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Sewerage systems are exempted from review by Chapter 3, Section 17.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, P.E., Southwest District Engineer, mbaron@state.wy.us, and completed on June 1, 2007. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 26, 2007

Mr. John McCarthy
POWER RESOURCES
PO BOX 1210
GLENROCK, WY 82637

RE: POWER RESOURCES, Application No. **07-147**, Converse County

Dear Mr. McCarthy:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by May 10, 2009.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-147** in any future correspondence.

If you have any questions, please contact me at 307-777-7088.

Sincerely,

Louis B. Harmon PE-PG
Southeast District Engineer
Water Quality Division

LBH/rm/7-0240
Enclosure: SMWW Application

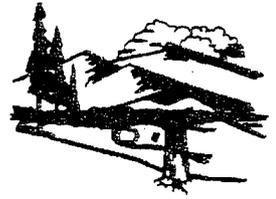
cc: IPS, Cheyenne

Derek Baker, Inberg-Miller, 350 Parsley Blvd, Cheyenne WY 82007
Paul Musselman, Converse County Special Projects, 107 North 5th St. Suite B-6
Douglas WY 82633





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 16, 2007

Town of Medicine Bow, Wyoming
Attn: Charlie T. George, Public Works Director
P.O. Box 156
Medicine Bow, Wyoming 82329

RE: Medicine Bow Water Line Construction - 2007, Application No. 07-148

Dear Mr. George:

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 in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific conditions also apply:

1. Sewer Lines Crossing Above Water Lines - as per the applicants' preference, these crossings shall be encased in flow-fill concrete in compliance with Wyoming Public Works current standard specifications and Wyoming DEQ / Water Quality Division, Water & Wastewater Section Policy # 13.9.11 (attached).
2. Additions to Wyoming Public Works Standard Specifications for Waterline Construction:
 - a. Section 2665 E.6 Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.
 - b. Section 2675 D Flushing shall achieve minimum velocities of at least 5 feet per second for pipelines 12 inches in diameter or less. Flushing shall be through flush valves and a discharge pipe to the surface. Fire hydrants shall not flushed until after the water main or distribution line is flushed.

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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The approval granted under this Notification Of Coverage and the General Permit shall expire on April 16, 2009. Please reference Application Number **07-148** in any future correspondence.

If you have any questions, please contact me at (307) 777-6183.

Sincerely,



Ronald L. Ewald, P.E.
Environmental Senior Analyst
Southeast District, Water Quality Division

RLE/rm/7-0313

Enclosures: GENERAL PERMIT - Extensions/Modifications of Existing Public Water
Supply Distribution Systems
Certificate of Completion Form
WQD, Water & Wastewater Section Policy # 13.9.11, "Flow-fill Encasement"

cc: IPS, Cheyenne
Jim I. Cavalli, P.E., Aspen-Banner Engineering, 1575 N. 4th, Suite 105,
P.O. Box 550, Laramie, Wyoming 82072

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

PROJECT: Medicine Bow Water Line Construction

LOCATION: S½ Section 5, N½ Section 8, T22N, R78W, **Carbon County**

ENGINEER: Jim I. Cavalli, P.E. / Nancy D. Roof, P.E.
Aspen-Banner Engineering
1575 N. 4th, Suite 105
P.O. Box 550
Laramie, Wyoming 82072
Ph: (307) 745-7366

APPLICANT: Town of Medicine Bow, Wyoming
Attn: Charlie T. George, Public Works Director
P.O. Box 156
Medicine Bow, Wyoming 82329
Ph; (307) 379-2225, ext. 222

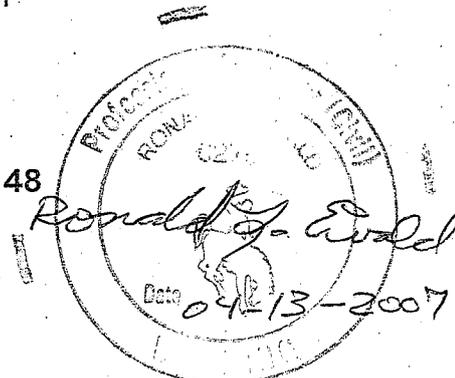
WATER QUALITY DIVISION REFERENCE NUMBER:

07-148

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

DATE OF REVIEW: April 13, 2007

ACTION: **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 12 (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 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.



COMMENTS, INADEQUACIES, AND QUESTIONS:

1. Walnut Street Sewer Line on top of New Water Line - it appears from the plans submitted (sheets 5.0, 18.0, 20.0, and 23.0) that along the full length of Walnut Street and even extending east over the water line to the water treatment plant, that the sewer main is almost directly above the new sewer line. If so, then this planned new water line needs to be moved so that it is at least 10 feet horizontally away from the sewer line.
2. Sewer Lines Crossing Over Water Lines - almost all of the sewer and water crossings in this project have the sewer line crossing above the water line. It does not matter if there is 18" or more clearance between the water and sewer lines, whenever a sewer line crosses above a water line one of the lines is required to have secondary protection. Please provide specifications on how these situations will be dealt with.
3. Fire Hydrants - there are about 30 new fire hydrants proposed for this project. Please provide specifications for these hydrants, valves, and any other appurtenances up to and including the connection with the water main. Do the hydrants include a pumper nozzle?
4. Project Specifications - the Engineering Design Report (EDR) and the Plans mention that there are project specifications, but none were received with the application package. All that was received were 3 sets of the plans and 3 copies of the EDR. Three copies of the project specifications need to be submitted.
5. Water Distribution System Fire Flow and Pressure Model - the model data submitted did not seem to correspond with actual fire hydrant flow modeling events. Examples:
 - a. Take pipe segment P-32 which has a fire hydrant on it and is also a dead-end line. The fire flow pipe report shows 0.0 gpm of flow in this pipe during a time when the fire hydrant is supposed to be flowing at 750 gpm. Also, the two pipe segment leading to junction J-33 at the head of pipe P-32, are only flowing at 49 gpm and going right around the corner.
 - b. Take the end loop of pipe segments P-10, P-11, and P12. There is a hydrant on segment P-11. Yet with the hydrant supposedly flowing at 750 gpm, there is only a total of 12 gpm being delivered into the loop.
 - c. The pressures listed in the right hand column of the "Fire Flow Analysis Junction Report" are identical to the pressures listed in the "Steady State Analysis Junction Report". The pressures during a fire flow event should be different (probably lower) than those during steady state operations.

The fire flow and pressure modeling needs to be simplified. The DEQ / Water Quality Division suggest that you model only two different scenarios selected to be close to the worst case conditions. What would constitute worst case conditions?

One scenario could be argued to be if the fire flow was taken out at the furthest point from the water source so that the high volume flows had to flow through the maximum amount of pipe losing head all along the way. Therefore, the WQD suggests the first scenario should be to take equal fire flows of 750 gpm out of two hydrants simultaneously located somewhere along pipe segments P-69, and P-66 or P67 (provided there are hydrants located on these lines).

The second scenario that the WQD would suggest would be to take the fire flow out of one of the higher points of elevation on the grid. Therefore, the WQD suggests that the second scenario should be to take 1000 gpm out of the single fire hydrant located at the end of pipe segment P-74 near junction J-46.

RLE/rm/7-0307



The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

April 2, 2007

Michael R. Schurger
OPES Production
500 Western Avenue
Buffalo, WY 82834

RE: OPES Production Ion-exchange CBM Water Treatment Pilot Project, Permit # 07-149

Dear Mr. Schurger:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Pilot Plant in accordance with Section 5, Chapter 11, of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O. of the general permit.

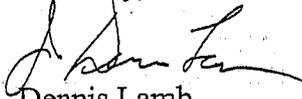
The following items need to be submitted to WDEQ/WQD:

1. A complete set of as-built drawings including all piping in the building and connecting to the pits/discharge;
2. A monthly report including onsite and lab analytical data relating to the RO's performance for meeting the discharge requirements (influent and effluent Na, Ca Mg, SAR, EC), treatment/discharge volumes, or a notification that the plant has not been operating;
3. A laboratory analysis of any wastes generated at the facility and information regarding any disposal of wastes including prior notification of when and where the material is to be disposed;
4. A site specific O&M manual and an operator daily checklist prior to full start up. This should include operational protocols to prevent discharge violations for when the plant is operating out of compliance.



If you have any questions please contact Dennis Lamb at 152 North Durbin, Casper, WY, 82601, (307) 473-3452 or dlamb@state.wy.us. Thank you.

Sincerely,



Dennis Lamb
CBM Group Supervisor
DEQ/WQD

cc: IPS Cheyenne

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

Permit No. 07-150
SPECIAL CONDITIONS

This permit hereby authorizes the applicant:

Donald Cooper
3304 Jonquil Lane
Gillette, WY 82718

to have constructed, installed or modified the JH Subdivision Well #1, according to the procedures and conditions of the application number 07-150. The facility is located in the county of Campbell, in the State of Wyoming.

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

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

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

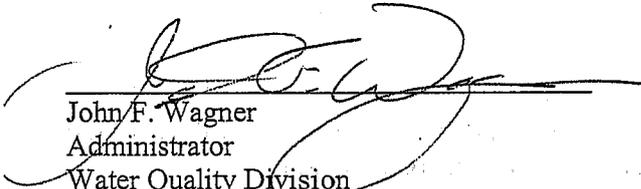
Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit. The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

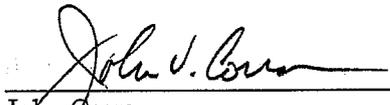
The permittee has constructed and shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or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

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

1 of 1 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.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John Corra
Director
Department of Environmental Quality

5/25/07
Date of Issuance

KLF/bb/7-0431.PER

Cc: Mike Brayton, P.G., Wester-Wetstein & Associates, 201 Lakeway, Suite 1000, Gillette, WY 82718

STATEMENT OF BASIS

1. Permit Number: 07-150
2. Application reviewed for compliance with the following applicable regulations :
Chapter 3, Chapter 11, & Chapter 12 of the Wyoming Water Quality Rules and Regulations

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

NO

The permit approval is based upon a deviation from applicable regulations in accordance with Section 5 of Chapter 11.

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

- a. The permit includes approval to deviate from the following regulatory requirements:

Chapter 11, Section 65 (b) requires "...an oversized hole, at least four inches greater in diameter than the production casing, drilled." An 8 ¾ inch bore hole with a 5 ½ inch O.D. steel casing has been allowed. This will provide an oversized hole 3 ¼ inches greater in diameter than the casing.

- b. Briefly state the basis for the deviation

Well construction methods consisted of pressure grouting from the bottom to top in combination with regularly spaced centralizers.

5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.

N/A

7. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.
8. 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 as-built permit is based upon a review of the application package and as-built information submitted. This review was performed by Karen L. Farley and completed on May 24, 2007. 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."