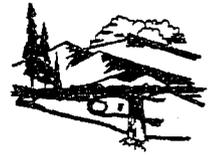




The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

June 27, 2007

Ralph W. Goodson, P.E.
Bearlodge Limited, Inc.
P.O. Box 130
Sundance, WY 82729

RE: Fifth Addition, Phase II Sewer Improvements, WDEQ No. 07-151

Dear Mr. Goodson:

The above application 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.

If you have any questions, please contact me at 307-473-3465.

Sincerely,

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

Enclosures: General Permit, Permit Application, Certificate of Completion

cc: City of Sundance, P.O. Box 542, Sundance, WY 82729 (NOC ONLY)
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

George Fletcher
W5LLC
P.O. Box 604
Sheridan, WY 82801

RE: Big Horn Fabricators 4" Fire Suppression Line, WDEQ # 07-152, Sheridan County

Dear Mr. Fletcher:

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 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.

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

Sincerely,

Karen L. Farley

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

Enclosures: General Permit
Application
Certificate of Completion
Construction Plans

cc: Eric Bouley, P.E., Fletcher Construction Company, P.O. Box 604, Sheridan, WY 82801
Mike Cole, P.E., City of Sheridan, P.O. Box 848, Sheridan, WY 82801
WDEQ File
IPS (Cheyenne)



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-153

Arvada Elementary School Water Supply Well

This permit hereby authorizes the applicant:

John A. Baule
Sheridan County School District #3
P.O. Box 125
Clearmont, WY 82835

to drill, construct, develop and test the Arvada Elementary School Public Water Supply Well; according to the procedures and conditions of the application number 07-153. The facility is located in the town of Arvada, Wyoming, in Sheridan County. 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.

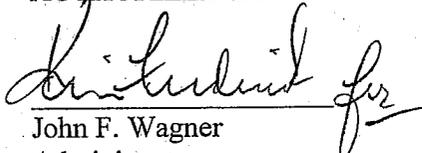
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

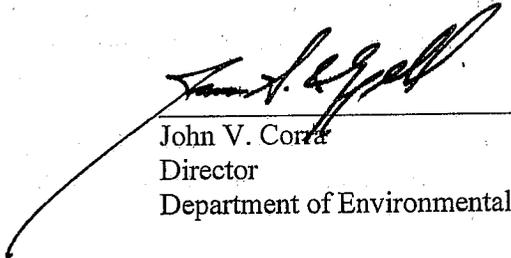
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 5 The applicant will provide immediate oral or written notice to the 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 5 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 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 4 of 5 Disinfection in accordance with Chapter 12, Section 9(b)(A)(II) shall be performed.
- 5 of 5 The applicant will perform yield and drawdown tests in accordance with Chapter 12, Section 9(b) (ii). Results of these tests are to be provided with the Certificate of Completion

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

4-17-08
Date of Issuance

KLF/rm/8-0291

cc: Thomas E. Axthelm, Inberg-Miller Engineers, 124 East Main Street, Riverton, WY 82501

STATEMENT OF BASIS

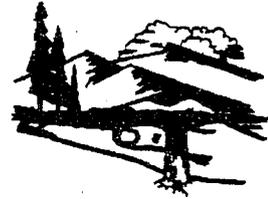
1. Permit Number: 07-153
2. Application reviewed for compliance with the following regulations:
Chapters 3, 11, and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
YES
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.
N/A
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 Karen L. Farley, P.E., and completed on April 16, 2008. 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

May 22, 2007

Mr. Gene Kilpatrick
109 South Main Street
Sheridan, WY 82801

RE: York Place PUD, Application No. **07-154**, Sheridan County

Dear Mr. Kilpatrick,

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Distribution and Sewage Collection Systems described as York Place PUD, Application No. **07-154**, Sheridan County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the 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 22, 2008.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-154** in any future correspondence.

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

Yours truly,

Don McKenzie
Manager
Water & Wastewater Section
Water Quality Division

cc: IPS, Cheyenne
Ms. Megan Crow, MC2, 1101 Sugar View Dr., Ste 201, Sheridan, 82801
Mr. Mike Cole, City of Sheridan, POB 848, Sheridan, 82801
Ms. Karen Farley, DEQ/WQD Casper

DRM/rm/7-0422

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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Post-it® Fax Note 7671

Date	5/22/7	# of pages	1
To	Gene Kilpatrick	From	D. McKenzie
Co./Dept.		Co.	WDEQ
Phone #		Phone #	777-7075
Fax #	672-1873	Fax #	

Post-it® Fax Note 7671

Date	5/22/7	# of pages	1
To	Mike Cole	From	D. McKenzie
Co./Dept.	Pub. Works	Co.	WDEQ
Phone #		Phone #	777-7075
Fax #	672-5241	Fax #	

Post-it® Fax Note 7671

Date	5/22/7	# of pages	1
To	Megan Crow	From	D. McKenzie
Co./Dept.		Co.	WDEQ
Phone #		Phone #	777-7075
Fax #	673-5156	Fax #	

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-155

REFERENCE PERMIT NO. N/A

Story Fish Hatchery Little Spring Development Project

This permit hereby authorizes the applicant:

Wyoming Game and Fish
5400 Bishop Blvd.
Cheyenne, WY 82006

To construct the Story Fish Hatchery Little Spring Development Project according to the procedures and conditions of the application number 07-155. The facility is located west of the town of Story, in the county of Sheridan, in the State of 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 permit conditions or other operational requirements. Compliance with treatment 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.

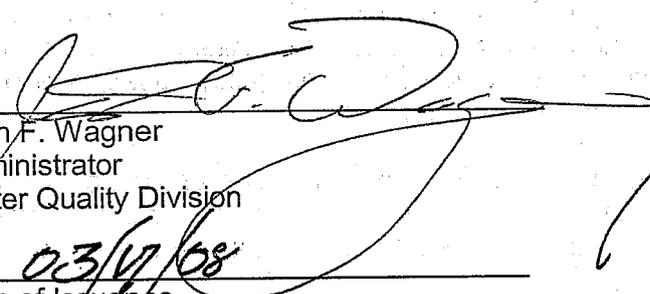
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 4 of 4 Applicant is required to list the facility with the Environmental Protection Agency as a Transient, Non-Community Public Water Supply and comply with all conditions of same prior to start-up and use of the facility.

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division

03/17/08

Date of Issuance



John V. Corra
Director
Department of Environmental Quality

KLF/rm/8-0212

cc: Brandon Gebhart, P.E., States West Water Resources Corp., 1904 E. 15th Street, Cheyenne, WY 82001

STATEMENT OF BASIS

1. Permit Number: **07-155**
2. Application reviewed for compliance with the following applicable regulations :
Chapter 3, Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?
YES
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.
N/A
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley and completed on March 17, 2008. 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

Clayton Huckins
41 Prairie Road
Moorcroft, WY 82721

RE: Huckins Residential Septic System, Crook County
Permit # 07-156

Dear Mr. Huckins:

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 Kim Medina at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3465. Thank you.

Sincerely,

Kim J. Medina
Senior Environmental Analyst
WDEQ/WQD

Enclosures: General Permit
Certificate of Completion

cc: IPS, Cheyenne
Tim Lyons, Crook County, P.O. Box 37, Sundance, WY 82729

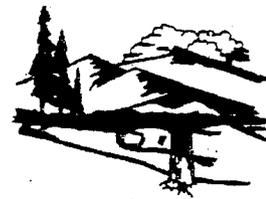
Page 1 of 1

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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

May 18, 2007
Albany County Board of Commissioners
525 Grand Avenue
Laramie, WY 82070

RE: Non-Adverse Recommendation, Equine Meadows Subdivision, Albany County
WDEQ Application #07-158

Dear Commissioners:

The Wyoming Department of Environmental Quality has completed the review of the proposed Equine Meadows Subdivision located in a portion of the N 1/2 of Section 9, T15N, R73W, 6th P.M., in Albany County, Wyoming. The Equine Meadows Subdivision will create 53 lots out of approximately 47.5 acres. The information was submitted by Johnson Engineering Associates, signed by James W. Johnson, P.E., a Wyoming Licensed Engineer and Carolyn Coolidge, a Wyoming Professional Geologist. This letter represents the recommendations of the Wyoming Department of Environmental Quality as required by W.S. 18-5-306(c).

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

The proposed sewage system is connection to the City of Laramie sanitary sewage collection and treatment system. All construction must be permitted by and constructed to Wyoming Department of Environmental Quality Water Quality Rules and Regulations and City of Laramie Construction Standards. The information submitted addresses the safety and adequacy of the proposed sewage system, provided compliance with the statements indicated in the "Notes required to be added to the final plat and other pertinent documents."

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

The proposed water system is connection to the City of Laramie public water supply and distribution system. All construction must be permitted by and constructed to Wyoming Department of Environmental Quality Water Quality Rules and Regulations and City of Laramie Construction Standards. The information submitted addresses the safety and adequacy of the proposed water system, provided compliance with the statements indicated in the "Notes required to be added to the final plat, and other pertinent documents."

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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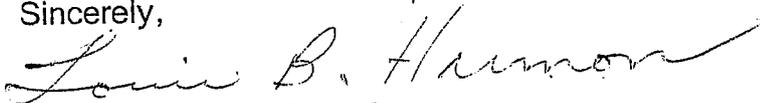


Notes required to be added to the final plat, and other pertinent documents:

1. No on-site wastewater disposal systems will be allowed within the Equine Meadows Subdivision.
2. All potable water systems within the Equine Subdivision must be supplied with water from the City of Laramie Public Water Supply system.

Please do not hesitate to contact me at (307) 777-7088 if you have any questions regarding this subdivision application or WDEQ's subdivision application review process.

Sincerely,



Louis B. Harmon, PE-PG

Southeast District Supervisor

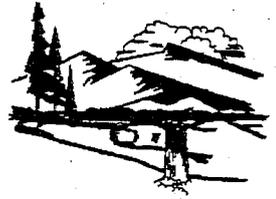
Water and Wastewater Program, Wyoming Water Quality Division

cc: James & Mariah Osborne, P.O. Box 805, Laramie WY 82073
James W. Johnson, Johnson Engineering & Assoc., 110 Superior Ct., Laramie, WY
82072
Doug Bryant, Director, Albany County Planning Office, 1002 South Third Street,
Laramie, Wyoming 82070
Mike Ebsen, SEO - with enclosure



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 27, 2007

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

RE: Thermopolis - 11th Street Water Line Replacement, Permit Number: 07-159, NE ¼, Section 2, T42N, R95W, Hot Springs County

Dear Mayor Malloy:

This project involves the installation of 450 linear feet of 6 and 8-inch waterline replacement. The above application for coverage under General Permit to replace 4-inch water line with 6 and 8-inch water line has been reviewed in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules 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

cc: Heath Overfield, P.E., Engineering Associates, P.O. Box 1900, Cody, WY 82414
IPS, Cheyenne

encl: General Permit For a Public Water Supply Distribution System



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 07-160
UIC Facility Number WYS-039-013

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: National Park Service (Grand Teton National Park - Beaver Creek Housing)
Attn: Mike Machupa
P.O. Box 170
Moose, WY 83012
(307) 739-3357

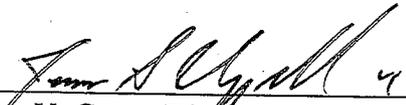
Grand Teton National Park, hereafter referred to as the permittee, is authorized to operate a septic system in the SE ¼ SW ¼ of Section 14, Township 43 North, Range 116 West, of the 6th Principal Meridian, Teton County; according to the procedures and conditions of application 07-160 and requirements and other conditions of this permit. This permit replaces permit 03-124.

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

8/8/07
Date



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

8/8/07
Date

JAP/rm/7-0680

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A. Discharge Zone

This is an existing injection facility (sanitary leachfield) that is being expanded and is authorized to inject into the unconfined Snake River Alluvial aquifer.

B. Well and Area of Review

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

SE¼ SW¼ of Section 14, Township 43 North, Range 116 West, 6th Principal Meridian

The Area of Review is defined as the ten (10) year groundwater travel time measured from the leachfield in the direction of groundwater flow.

Table 1 (Area of Review)

Township	Range	Section	Quarter	Quarter
43	116	14	E½	SW
43	116	14	W½	SE
43	116	23	NW	NE
43	116	23	NE	NW

The Area of Review is based upon the following as identified in **Table 2**:

Table 2 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10	Years
Porosity	20	Percent
Maximum Injection Rate	12,210	GPD
Thickness of Receiver	50	Feet
Area of Review	7,000	Feet
Hydraulic Conductivity	100	Feet/Day

C. Groundwater Classification

The groundwater in the unconfined Snake River alluvial aquifer is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater in this formation is currently being used for domestic purposes at several nearby points of withdrawal. Ground water of Class I shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

The permittee is authorized to inject 290 barrels per day, (12,210 gallons per day) of domestic wastewater through the proposed injection well system. The wastewater is described as domestic sewage from a combination of single family units, duplexes, offices, fire dorms, RV sites and cabins.

The wastewater flows into a 81 feet by 100 feet leach field that consists of 1,400 linear feet of infiltrators.

If additional dwellings or offices are added beyond those identified in the permit, additional leach field capacity and a permit modification may be required for the septic system.

E. Hazardous Waste

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

F. Proper Operation and Maintenance

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

The injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapter 11 and Chapter 16.

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

G. Entry and Inspection

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

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.
4. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The time(s) analyses were initiated;
 - e. The initials or name(s) of the individual(s) who performed the analyses;
 - f. References and written procedures for the analytical techniques or methods used;
 - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
6. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
7. The permittee shall report any noncompliance which may endanger health or the environment within 24 hours from the time the operator becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;
 - c. A written submission shall be provided within 5 days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
8. The permittee shall report all instances of noncompliance not otherwise reported at the time monitoring reports are submitted.

9. The annual monitoring report 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 septic system shall be sited and constructed in accordance with the "Beaver Creek Leachfield" design drawings submitted with the application on March 23, 2007.

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 3**. Existing monitor wells from the existing permit shall be retained. The following parameters shall be analyzed quarterly by the listed methods and reported annually:

Table 3 (Quarterly Groundwater Sampling Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL
BC-1 BC-2 BC-3 BC-4	Once prior to the end of each quarter.	Ammonia as N	SM 4500 NH ₃ H	0.50 mg/L
		Chloride	SM 4500 CL B	250 mg/L
		Nitrate	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 Quarterly reports are to be reported within forty-five (45) days of the last day of each year. Sampling periods are identified as follows: 01/01-03/31, 04/01-06/30, 07/01-09/30, 10/01-12/31.

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 ten (10) 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.

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

M. Abandonment

General Requirements:

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

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

N. Duties of the Permittee

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

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

O. Signatories Requirement

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

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

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

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

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

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

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

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

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

P. Noncompliance

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

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

Q. Permit Transfer

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

R. Property Rights

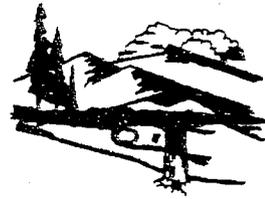
This permit does not convey any property rights of any sort or any exclusive privilege. This permit does not authorize injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.

S. Severability

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



Department of Environmental Quality



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

Steve Freudenthal, Governor

John Corra, Director

August 9, 2007

Mr. Mike Machupa
National Park Service, Grand Teton National Park (Beaver Creek)
P.O. Box 170
Moose, WY 83012

RE: NPS Grand Teton National Park (Beaver Creek Housing)
Permit 07-160, Class V, 5E3 Septic System
Teton County, Wyoming

Dear Mr. Machupa:

Attached please find one copy of the Class V permit for the above referenced facility. This permit requires sampling on a quarterly basis and reporting on an annual basis (within forty-five (45) days of the last quarter).

The monitor reports can be obtained and filled out by using our on-line webform (*Monitor Reports* link), or one may have the lab submit them using EQUIS Electronic Data Deliverable (EDD) at the following site: <https://gem.trihydro.com> To use this system please register by establishing a username (e.g. first initial of first name, last name - John Brown - jbrown) and password. Please contact Paris Edeburn at Trihydro for any questions with establishing an account or if one has problems entering data at (307)-745-7474.

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 jpass@state.wy.us

Sincerely,

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

JAP/rm/7-0680

Enclosures: Permit

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 07-160
Beaver Creek Class V injection well application

LOCATION: Teton County

APPLICANT: Mike Machupa

OWNER: Grand Teton National Park

CONSULTANTS:

GEOLOGIST None

ENGINEER Robert Wemple, P.E.
P.O. Box 170
Moose, WY 83012

TITLE: "Beaver Creek Sewage System"

PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: March 14, 2007

DATE RECEIVED BY WDEQ: March 23, 2007

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

DATE OF THIS REVIEW: May 22, 2007.

ACTION: Application Incomplete; See Attached Comments

I. WDEQ Comments:

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

1. It is unclear where the public supply well (Moose Well #20) is located in relation to the proposed septic system. The Trihydro report (well information sheet) indicates that the Moose Well #20 is located close to the proposed septic system. Please clearly identify on sheets 2 and 3 of the Beaver Creek Leachfield drawings where the well is located.
2. Please fill out the attached report for the public supply well for the 2006 reporting year.
3. 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>
4. The following table contains parameters required for new Class V (5E3) permits of this size.

Semi-Annual Sampling Schedule (Jan 1-Jun 31, Jul 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

5. 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 / Charles McGhee

PROJECT: Grand Teton National Park:
Beaver Creek Employee Housing Sewage System

LOCATION: SE¼ SW¼, Section 14, T43N, R116W, **Teton County**

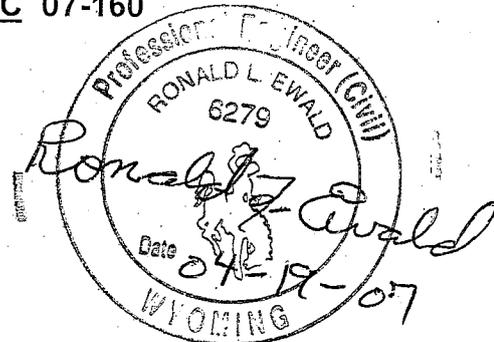
ENGINEER: Robert Wemple, Colorado P.E. # 19307
Grand Teton National Park
P.O. Box 170
Moose, Wyoming 83012
Ph: (307) 739-3350

APPLICANT: Grand Teton National Park
Attn. Mike Machupa, Utilities Foreman
Moose Headquarters
P.O. Box 170
Moose, Wyoming 83012
Ph: (307) 739-3357

WATER QUALITY DIVISION REFERENCE NUMBER: **UIC 07-160**

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

DATE OF REVIEW: 04-19-07



ENGINEERING REVIEW COMMENTS:

1. P.E. of Record Licensed in Colorado - the P.E. of record for this UIC application is licensed in Colorado. I don't think this is relevant for federal facilities as long as the engineer is an actual employee of the federal government.
2. Leachfield Chambers Interior Force Main Lateral Jets - the design of the leachfield is for 14 trenches of *Infiltrator*® chambers 100 feet long. These rows of chambers will include 1 ¼" diameter force main dosing pipes hung from the inside top of the

chambers running the full length of the trenches. The engineer is recommending that ¼ inch diameter holes be drilled into these force main laterals, as he calls them, every 4 feet with the holes alternating pointing straight up and straight down. Splash plates would be placed beneath the downward facing orifices to prevent erosion. I recommend that none of the holes be located to be facing downward. I recommend that all of the holes be facing directly upwards to deflect the flow onto the roof of the chambers and then run down the sides and drip to the bottom of the trenches. If there are downward facing holes at the bottom of the pipes, the pipes will drain between doses. When the next dose starts the holes nearest the header pipe will omit most of the dose before the pipes fill up all the way to the ends of the 100 foot runs. However, if all of the holes face upwards, the pipes will not drain and when the next dose starts there will be almost instantaneous pressure throughout the entire system, thereby ensuring the most even distribution of effluent throughout the entire leachfield as possible. I would make this a recommendation, but not a project killer.

3. Force Main Drain Back ? - the issue of does the water in the force main drain back into the wet well of the lift station when the pumps shut off is not addressed in the application design information. The lift station detail shows a 1/8" weep hole in the wet well at the bottom of the 550 foot long 3" diameter force main. There is no evidence, description, or discussion of any kind of check valve or other mechanism to stop the entire volume of the force main pipe from draining back into the wet well when the pumps turn off. At 550 feet long and 3" diameter, the volume of the force main is approximately 202 gallons. The storage volume of the lift station between the off and on levels is only 141 gallons. The lift station will constantly be pumping the same water back up the hill over and over again. This issue needs to be addressed before the project is approved.
4. Everything Else Looks Good - everything else, from the upstream collection network, the two new septic tanks, the overflow tank, the percolation tests, the leachfield design and sizing, and the pressure pipe distribution network all looks good. A through job was done on this part of the analysis and design.

STATE OF WYOMING
ANNUAL INJECTION REPORT
DEPARTMENT OF ENVIRONMENTAL QUALITY
REPORTING FORM FOR CLASS INJECTION WELLS

This form shall accompany the submission of any report, documentation or data required by the UIC permit issued to this facility:

Company Name:	National Park Service
Contact Person:	Mike Machupa
Phone Number:	
Company Address:	P.O. Box 170 Moose, WY 83012
Facility Name:	GRAND TETON N.P. - BEAVER CREEK SEPTICS
Facility Number:	WYS-039-013
Permit Number:	UIC 03-124
Legal Location:	T:43.00 R:116.00 S:4.00

Report Frequency:	Annual
EDD Information:	Report ID = 149933; Facility ID = 3383; Sample ID = 2208

Sample Point:	Well Public Supply Well
Sample Point Type:	Water Supply
Formation:	Alluvial

Report Comments:	
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Chloride (CHLORIDE)

50 ml glass or plastic container, holding time 28 days.

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2006	6/30/2006			0	mg/L				
LAB	7/1/2006	12/31/2006			0	mg/L				

Nitrogen, Ammonia (N_NH3)

250 ml glass or plastic container, cool to 4 degrees, preserve with 5ml, 50% Sulfuric Acid or equivalent. Centigrade, holding time 28 days

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2006	6/30/2006			0	mg/L				
LAB	7/1/2006	12/31/2006			0	mg/L				

Nitrate (NO3)

250 ml glass or plastic container, preserve with 5ml, 50% Sulfuric Acid or equivalent to pH or 2 or less.

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2006	6/30/2006			0	mg/L				
LAB	7/1/2006	12/31/2006			0	mg/L				

Static Water Depth Measured From the Casing Elevat (SWL_DEPTH)

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2006	6/30/2006			0	FT	

FLD	7/1/2006	12/31/2006		0	FT	
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Elevation of the Static Water (SWL_ELEV)

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2006	6/30/2006			0	FT	
FLD	7/1/2006	12/31/2006			0	FT	

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.



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 22, 2007

Mike Machupa
Grand Teton National Park
P.O. Box 170
Moose, Wyoming 83012

RE: 07-160, Beaver Creek Employee Housing Sewage System
Class V injection well application, Teton County

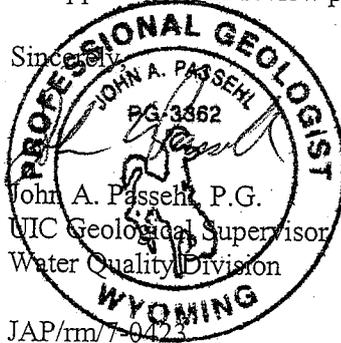
Dear Mr. Machupa:

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 23, 2007 and has until May 22, 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.

Sincerely,



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

JAP/rm/7-0423

Attachments: Monitoring Report
WDEQ Ron Ewald Comments

c: Kevin Frederick, WDEQ
Ron Ewald, WDEQ
Robert Wemple, Grand Teton Nation Park, P.O. Box 170, Moose, WY 83012
WDEQ UIC file

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

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

PERMIT NO. 07-161

Horse Creek North POD: 42-5-5472

This permit hereby authorizes the applicant:

Windsor Energy Group, LLC
Attn.: Mr. Alan Schultz
850 Val Vista Street
Sheridan, WY 82801

to have installed a compliance monitoring well according to the procedures and conditions of the application number 07-161. The facilities are proximal to coalbed methane produced water impoundments located in Township 54N, Range 72W, Section 4 in the county of Campbell, in the State of Wyoming. All construction, installation, or modification allowed by this permit has been completed.

The issuance of this permit confirms that the Wyoming Department of Environmental Quality (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.

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

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

1 of 4: The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Program, 1866 South Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

2 of 4: The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Program, 1866 South Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213 when discharge to each impoundment covered under this permit commences.

3 of 4: Monitoring Requirements:

Groundwater monitoring at the impoundments shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water level and sampling and analysis of groundwater at downgradient well: MW-3.
- Reporting results of quarterly monitoring and sampling need to be at the department by January 15th, April 15th, July 15th, and October 15th of each year. The first set of data will be due by October 15, 2007.

The parameters listed in the tables below are required for groundwater compliance monitoring beneath the following impoundment:

Impoundment 42-4-5472

Parameter	MW-1 Background Value (mg/L) (09/13/06)	Trigger Value (mg/L)	Class III Groundwater Quality Standards (mg/L)
Arsenic	<0.002	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	261	≥ 2400	3000
Total Dissolved Solids (TDS)	654	≥ 4000	5000
pH	8.84	≤ 6.5	6.5 – 8.5 (s.u)

Trigger values, specific to the groundwater samples at each impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with the analytical results due by the 15th day of each month. If groundwater monitoring reveals a pH measurement of 6.5 or less, the WDEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.

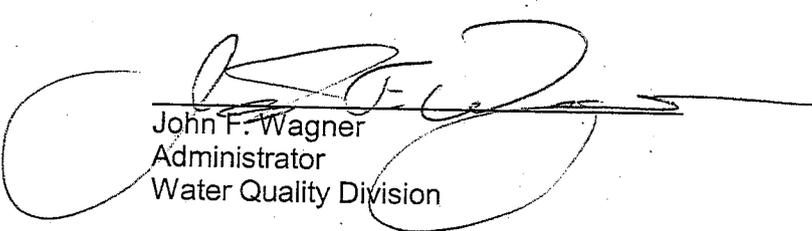
The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted

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

4 of 4.

Any exceedance of a groundwater quality standard listed in the preceding table, or as applicable in Table I of Chapter 8, Water Quality Rules and Regulations is a violation of this permit. If an exceedance of groundwater standards occurs as a result of the operation of the impoundment the WDEQ may require, among other things, further investigation of the groundwater impacts, remediation of the groundwater impacts, and cessation of discharge into the impoundment.

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

7/3/07
Date of Issuance

AWV/rm/7-0551



GROUNDWATER PROGRAM
REVIEW COMMENTS:
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1866 South Sheridan Avenue
Sheridan, WY 82801
Phone: 307-672-6457

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 07-161

SITE (POD) NAME: Horse Creek North POD: 42-4-5472

APPLICANT: Windsor Energy Group, LLC
 Attn.: Mr. Alan Schultz
 850 Val Vista Street
 Sheridan, WY 82801

CONSULTANT: ARCADIS
 Attn.: Travis Evans
 189 North Cedar Street
 Buffalo, WY 82834

LOCATION: Drainage: Unnamed tributaries to Horse Creek,
 tributary to Little Powder River
 County: Campbell
 Township 54 North, Range 72 West

ORIGINAL DATE ON REPORT: January 8, 2007

REVIEWING OFFICIAL: Pete Vogel, North District Groundwater Sen. Analyst

DATE OF THIS REVIEW: June 22, 2007

ACTION: Compliance Monitoring Plan authorized for Horse Creek North POD: 42-4-5472 pursuant to conditions on permit # 07-161

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Unnamed tributaries to Horse Creek, tributary to Little Powder River

Groundwater Classification:

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

Basis for Classification: Laboratory analysis of groundwater indicates ambient water quality meets Water Quality Rules and Regulations Chapter 8 Class III standards and exceeds Classes I and II standards for Sulfate (Table 1-Chapter 8).

Description of Hydrogeology: Groundwater occurs beneath the Horse Creek north POD in sandstones and coals which were encountered between 3782 and 3785 feet amsl. Aquifer thicknesses are indeterminate from the lithologic logs as it cannot be established that the water bearing sandstones and coals are completely saturated. Regardless, the units have a fair degree of correlation based on an underlying gray claystone aquitard.

Impoundment 42-5-5472 will be an improved existing earthen stock tank. The three wells installed around the existing impoundment show a ground water flow direction slightly south of west. This flow direction is directly into the hillside immediately west of the impoundment. It is important to note that based on this information, effluent will not be in immediate or direct communication with Horse Creek or with the Little Powder River.

Based on this flow direction, monitoring well MW-3 will be established as the the down-gradient or compliance monitoring well for this impoundment. However, chemical data from MW-1 will be used for ambient quality since MW-3 was originally presumed to be an up-gradient well and a groundwater sample was not obtained.

Please note that Impoundment 43-5-5472 is included in the original permit application. Because of its proximity to a domestic production well and lack of data to demonstrate no adverse impacts to groundwater, it has been excluded from this permit.

Table 1: Impoundment covered under Permit 07-161

Impoundment Name	Capacity (acre/ft)	Qtr	Qtr	Section	Town.	Range	Downgradient Monitoring Well
42-4-5472	9.9	SENE		4	47N	75W	MW-3

2.0 MONITORING AND REPORTING REQUIREMENTS

Groundwater monitoring at the impoundments shall be performed on a quarterly basis until further notice and shall include the following information:

- Development of monitoring well, measurement of static water level and sampling and analysis of groundwater at downgradient wells: MW-3
- Reporting results of quarterly monitoring and sampling to the department by January 15th, April 15th, July 15th, and October 15th of each year. The first set of data will be due by October 15, 2007.

The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundment:

Impoundment 42-4-5472

Parameter	MW-1 Background Value (mg/L) (09/13/06)	Trigger Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.002	≥ 0.16	0.2
Selenium	<0.005 (ND)	≥ 0.04	0.05
Sulfate	261	≥ 2400	3000
Total Dissolved Solids (TDS)	654	≥ 4000	5000
pH	8.84	≤ 6.5	6.5 – 8.5 (s.u)

Trigger values, specific to the groundwater samples at this impoundment, have been assigned to each constituent and are also listed above. If one or more of these trigger values is exceeded during a quarterly sampling event, monthly sampling of the groundwater for all listed parameters is required, with the analytical results due by the 15th day of each month. If groundwater monitoring reveals a pH measurement of 6.5 or less, the WDEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.

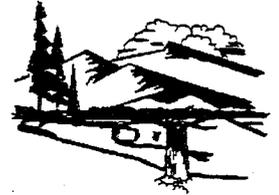
The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: cbmgroundwater@state.wy.us. In addition, the accompanying analytical laboratory reports must also be submitted either electronically (PDF format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

END OF REVIEW

AWV/rm/7-0551



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 27, 2007

Dorothy J. Overfield, Manager
Northwest Rural Water District
P.O. Box 2347
Cody, Wyoming 82414

RE: Northwest Rural Water District - O'Donnell Service Area - Peterson Waterline Extension, Permit Number: 07-162, SW ¼, Section 26, T55N, R99W, Park County, PWS #WY5601254C

Dear Ms. Overfield:

This project will serve four residential connections along Roney Avenue. The above application for coverage under General Permit to construct a treated water line, extension of a public water supply distribution system, consisting of 845 linear feet of 2-inch water line has been reviewed in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules 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

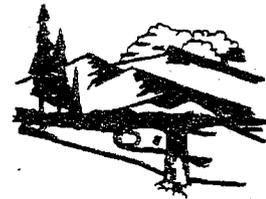
cc: Robert Overfield, P.E., Engineering Associates, P.O. Box 1900, Cody, WY 82414
IPS, Cheyenne

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 30, 2007

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

RE: CANDLEWOOD SUITES WATER AND SEWER EXTENSIONS
Application No. **07-163**, 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 1350 ft of 8" diameter water line, 67 ft of sewer line, 52 ft of 3" diameter water service line, and 2 new fire hydrants, SW 1/4 NW1/4 Section 1 T13N R67W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general 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. **07-163** 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/7-0258

cc: IPS, Cheyenne

William Greene, H.W. Lochner, Inc., 5917 Sunset Drive, Cheyenne, WY 82009

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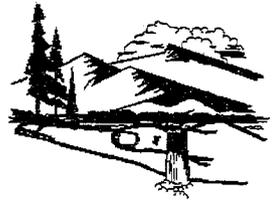




Department of Environmental Quality

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Dave Freudenthal, Governor



John Corra, Director

NOTIFICATION OF COVERAGE

June 13, 2008

David Delach
Wild Horse Canyon Development, LLC, c/o Millennium Realty Investors
11693 san Vicente Suite 712
Los Angeles, CA 90049

RE: Green River- Hampton Inn Water and Sewer; Permit Number 07-164, SW1/4, NE1/4
Section 15, T18N, R107W, Sweetwater County, Wyoming

Dear Mr. Delach:

The application for coverage under General Permits to Construct water and sewer main extensions and appurtances consisting of 510 feet of 8 inch D.I.P. water line and 360 feet of 8 inch PVC sanitary sewer main extensions serving the Hampton Inn undergoing construction located in Green River 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,

Perry Roberson
Consultanting Engineer
Water Quality Division

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

xc: IPS, Cheyenne
Lee S. Austin, STS Consultants, Ltd., 750 Corporate Woods Parkway, Vernon Hills, Illinois
60061

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





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 29, 2007

Mayor Greg Salisbury
Town of Encampment
P.O. Box 5
Encampment WY 82325

RE: ENCAMPMENT WATER TREATMENT PLANT-PILOT, Application No. **07-165**,
CARBON County

Dear Mayor Salisbury:

The above application for coverage under General Permit to Construct and Operate a Pilot Plant in accordance with Chapter 3, Section 7 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct and operate the membrane filtration pilot plant, 1/4 Section T14N R84W; Carbon County in accordance with Chapter 12, Section 5 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-165** in any future correspondence. All construction, installation, or modification allowed by this notification of coverage shall be completed by November 11, 2007.

This pilot plant notification of coverage does not allow the final selection or financial commitment to the purchase of equipment for upgrading the water treatment plant. An application for a permit to construct must be approved by the Department of Environmental Quality Water Quality Division before any construction or equipment purchases other than the operation of a pilot plant can be conducted for the water treatment plant.

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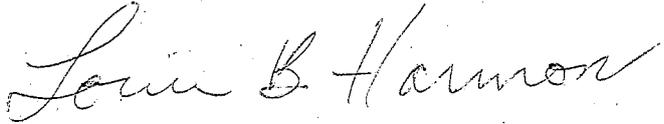
ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **07-165** 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/7-0254

Enclosure: Pilot Plant General Permit

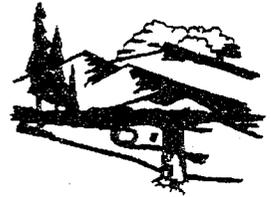
cc: IPS, Cheyenne

Travis Higby
Forsgren Associates, Inc.
370 East South, Suite 200
Salt Lake City UT 84111

MS Mindy Mohr
U.S. Environmental Protection Agency
1595 Wynkoop St.
Denver, Colorado 80202-1129



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

May 1, 2007

Steven Mauch, Sr.
P.O. Box 1174
Sundance, WY 82729

RE: Temporary Holding Tank, Application #07-166, Within Sundance Town Limits
NW NE Section 13 of Township 51 North, Range 63 West in Crook County

Dear Mr. Mauch:

Your application for coverage under General Permit to Construct, install, Modify or Operate a Small Wastewater Facility, specifically a temporary holding tank, for a two bedroom home in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations (WWQRR) 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 WWQRR, the general permit, the condition of this authorization noted 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, as we discussed and agreed upon, once central sewer is available at your home, you will disconnect from the temporary holding tank and connect to the Town of Sundance sewer main.

The conditional approval granted under this Notification Of Coverage and the General Permit shall expire on May 1, 2008. Please contact me at 777-7075 should you have any questions.

Yours truly,

Don McKenzie
Manager
Water & Wastewater Section
Water Quality Division

DRM/rm/7-0363

Enclosures: GENERAL PERMIT & Application Package

cc: IPS, Cheyenne
Karen Farley, WQD/WWW, Casper w/o enclosures
John Kiplinger, Town of Sundance, POB 542, Sundance, WY 82729 w/o enclosures
Wagaman Construction, POB 100, Sundance, WY 82729 w/o enclosures

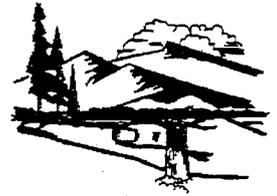
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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 25, 2007

Jerre Tews
Windmill WYO, LLC
203 N. 800 E.
Preston, ID 83263

RE: Windmill Acres Residential Subdivision, Phase I, Kemmerer - Water and Sewer Main Extensions - Permit Number 07-168R, Tract 55 Section 14, T21N, R116W, Lincoln County, Wyoming

Dear Mr. Tews:

The above application for coverage under General Permits to Construct water and sewer main extensions to Windmill Acres Residential Subdivision Phase 1, of a future 3 serving 37 single family and 32 twin home residences 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,

Perry Roberson
Consulting Engineer
Water Quality Division

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

xc: IPS, Cheyenne

encl: General Permit for a Sewage Collection System,
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

April 3, 2007

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

RE: CITY OF CHEYENNE-BOPU MEADOWLAND DRIVE WATERLINE REPL.,
Application No. **07-169**, 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 replacement of 450 ft of 8" diameter ductile iron pipe with 8" diameter PVC, Section 29 T14N R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, 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. **07-169** 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/bb/7-0264.NOC
cc: IPS, Cheyenne

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WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-171

REFERENCE PERMIT NO. 07-063

JH Subdivision and JH II Subdivision Water Treatment System

This permit hereby authorizes the applicant:

Donald Cooper
3304 Jonquil Lane
Gillette, WY 82718

to construct, install or modify the JH Subdivision and JH II Subdivision Water Treatment System, according to the procedures and conditions of the application number 07-171. The facility is located in the NE $\frac{1}{4}$ of the NW $\frac{1}{4}$ of Section 6, T50N, R69W and in the south half (S $\frac{1}{2}$) of Section 31, T51N, R69W of the Sixth Principal Meridian in Campbell County, WY, further located north of Rozet, 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 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.

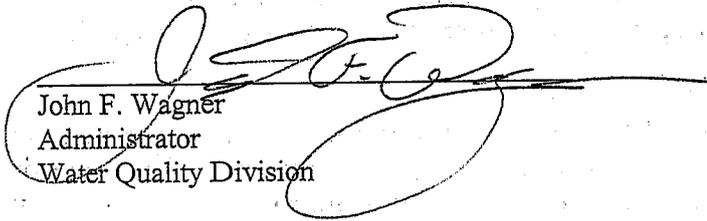
Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations 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, nor any infringement of federal, state or local laws or regulations.

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

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

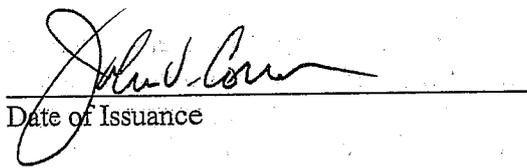
- 1 of 4 The applicant will provide immediate oral or written notice to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601, Phone 307-473-3465, FAX 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
- a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 of 4 Within thirty days of completion of construction of the authorized facility, the engineer of record will submit two (2) complete copies of the Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY 82601.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division

8/6/07

John V. Corra
Director
Department of Environmental Quality


Date of Issuance

KLF/rm/7-0651

SK 8/7/7

cc: Scott Hobart, P.E., Consolidated Engineers, Inc., P.O. Box 1035, Gillette, WY 82717-1035

STATEMENT OF BASIS

1. Permit Number: **07-171**
2. Application reviewed for compliance with the following applicable regulations :
Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?

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

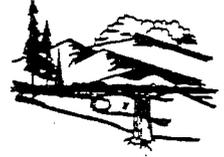
N/A
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

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

Mike Pixley
Pixley Ranch
Box 250
Sundance, WY 82729

RE: Pixley Ranch Residential Septic System, Crook County
Permit # 07-172

Dear Mr. Pixley:

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 Kim Medina at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3465. Thank you.

Sincerely,

Kim J. Medina
Senior Environmental Analyst
WDEQ/WQD

Enclosures: General Permit
Certificate of Completion

cc: IPS, Cheyenne
Tim Lyons, Crook County, P.O. Box 37, Sundance, WY 82729

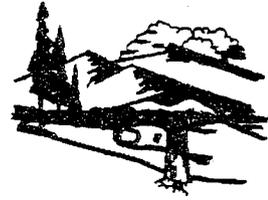
Page 1 of 1

F:\Division\WQD\Water and Wastewater\Permits\GPERMIT 07-172 sew.LTR.doc





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 4, 2007

Robert H. Quenon
103 Arapahoe Drive
Old Baldy Club
Saratoga, Wyoming 82331

RE: Quenon Replacement (Septic) System,
Location: NW¼, Section 18, T17N, R83W,

Application No. **07-173**
Carbon County

Dear Mr. Quenon:

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

1. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.
2. Leachfield Header Pipe Layout to achieve Equal Flow Distribution - To ensure equal flow distribution into the two proposed long parallel trenches, the header pipes that deliver the effluent from the septic tank to the midpoint of the trenches needs to be layed out as if it were a four trench leachfield with two trenches going off in each direction. The flow from the septic tank needs to be split in half by a "tee" fitting, and then each half of the flow directed to either the upgradient or downgradient trench where it is split again by another "tee" fitting and half of the flow goes to the left and half goes to the right. See the "Four Trench Chambered Leachfield" Detail Sheet included with the four trench header pipe layout at the bottom of the page. This layout is required with four equal trench lengths equal to 9 sections of standard "Infiltrator" chamber which equals 56.25 feet on each trench leg.

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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3. Trench Construction and Depth - The trenches shall not be more than 48 inches deep to the bottom of the trench (36" to 42" preferred). The trench bottom shall be level and be undisturbed soil (no fill soil for low spots). See Four Trench Chambered Leachfield" Detail Sheet described above.

The approval granted under this Notification Of Coverage and the General Permit shall expire on April 4, 2009. Please reference Application Number **07-173** 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/7-0269

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion
Four Trench Chambered Leachfield Detail Sheet with:
Leachfield Header Pipe Layout

cc: IPS, Cheyenne
Randy Raymer, R.G. Raymer Construction, Inc., P.O. Box 1078, Saratoga,
Wyoming, 82331
Carbon County Planning Director, Lou Kline, 215 W. Buffalo Street, #304,
P.O. Box 487, Rawlins, Wyoming 82301



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

April 9, 2007

Kenneth J. Cooper, P.E.
Petrotek Engineering Corporation
10288 West Chatfield Avenue, Suite 201
Littleton, Colorado 80127

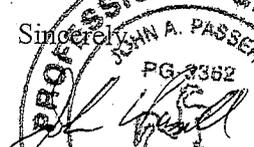
RE: 07-174, Power Resources, Inc.
Southwest Area Disposal Class I injection well application, Converse County

Dear Mr. Cooper:

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 13, Class I permit application.

The WDEQ received this application on January 22, 2007 and has until March 23, 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 13, Section 19.

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.

Sincerely,

John A. Passehl, P.G.
UIC Program Principal
Water Quality Division
WYOMING

JAP/rm/7-0282

Attachments: WDEQ Comments

c: Kevin Frederick, WDEQ
Deanna Hill, WDEQ
Wendy Cheung, U.S. EPA Region 8, Mailcode 8P-W-GW, 1595 Wynkoop Street,
Denver, CO 80202-1129 (copy of letter and application)
WDEQ UIC file



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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

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

PROJECT: 07-174
Power Resources Class I injection well application

LOCATION: Converse County

APPLICANT: Power Resources, Inc.
Smith Ranch Highland Uranium Project
762 Ross Road
Douglas, WY 82633

OWNER: Power Resources, Inc.

CONSULTANTS:

GEOLOGIST N/A

ENGINEER Kenneth J. Cooper, P.E.
Petrotek Engineering Corporation
10288 West Chatfield Avenue, Suite 201
Littleton, Colorado 80127

TITLE: "Class I Injection Well Application Southwest Area"

PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: January 9, 2007

DATE RECEIVED BY WDEQ: January 22, 2007

WDEQ REVIEWER: John A. Passehl, P.G.
GEOLOGIST

DATE OF THIS REVIEW: April 5, 2007

ACTION: Application Incomplete; See Attached Comments

I. WDEQ Comments:

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

1. Please provide a detailed plugging, abandonment, and post-closure care plan for the proposed well (and associated storage tanks) including proposed costs. These costs must match the financial assurance for the permit. Our experience with similar depth wells indicates P&A costs closer to \$185,000-\$200,000. Please contact Deanna Hill of this Department to ensure that your financial assurance requirements are sufficient (307-777-6910).
2. The following table contains parameters and sampling frequency that are required for all new Class I wells associated with uranium processing. EPA Method 624 is run for most parameters listed below and there is no additional lab cost to you than if we pick out one or two parameters to report as in the previous permit. Therefore we request that all parameters that are tested with EPA Method 624 be reported as indicated in the table below. All lab reports will be able to be uploaded electronically directly from your facility or private laboratory at the following website: <https://gem.trihydro.com>.

Quarterly Sampling Schedule

EPA Analytic Method	Parameter Analyzed	CAS Number	Proposed Permit Limit or UCL
SM2540	Total Dissolved Solids	None	None
376.1	Hydrogen Sulfide	7783-06-4	None
SM4500H+B	pH	None	>2 - <11 s.u.
SW8015	Diethanolamine	111-42-2	
	Uranium Trioxide (UO ₃)	1344-58-7	
	Uranium Dioxide (UO ₂)	1344-57-6	
624	1,1,1,2-Tetrachloroethane	630-20-6	
624	1,1,1-Trichloroethane	71-55-6	
624	1,1,2,2-Tetrachloroethane	79-34-5	
624	1,1,2-Trichloroethane	79-00-5	
624	1,1-Dichloroethane	75-34-3	
624	1,1-Dichloroethene	75-35-4	
624	1,1-Dichloropropene	563-58-6	
624	1,2,3-Trichlorobenzene	87-61-6	
624	1,2,3-Trichloropropane	96-18-4	
624	1,2,4-Trichlorobenzene	120-82-1	
624	1,2,4-Trimethylbenzene	95-63-6	
624	1,2-Dibromo-3-chloropropane	96-12-8	
624	1,2-Dibromoethane	106-93-4	
624	1,2-Dichlorobenzene	95-50-1	

624	1,2-Dichloroethane	107-06-2	
624	1,2-Dichloropropane	78-87-5	
624	1,3,5-Trimethylbenzene	108-67-8	
624	1,3-Dichlorobenzene	541-73-1	
624	1,3-Dichloropropane	142-28-9	
624	1,4-Dichlorobenzene	106-46-7	
624	2,2-Dichloropropane	590-20-7	
624	2-Chloroethyl vinyl ether	110-75-8	
624	2-Chlorotoluene	95-49-8	
624	2-Hexanone	591-78-6	
624	4-Chlorotoluene	106-43-4	
624	Acetone	67-64-1	
624	Acetonitrile	75-05-8	
624	Acrolein	107-02-8	
624	Acrylonitrile	107-13-1	
624	Benzene	71-43-2	
624	Bromobenzene	108-86-1	
624	Bromochloromethane	74-97-5	
624	Bromodichloromethane	75-27-4	
624	Bromoform	75-25-2	
624	Bromomethane	74-83-9	
624	Carbon disulfide	75-15-0	
624	Carbon tetrachloride	56-23-5	
624	Chlorobenzene	108-90-7	
624	Dibromochloromethane	124-48-1	
624	Chloroethane	75-00-3	
624	Chloroform	67-66-3	
624	Chloromethane	74-87-3	
624	cis-1,2-Dichloroethene	156-59-2	
624	cis-1,3-Dichloropropene	10061-01-5	
624	Dibromomethane	74-95-3	
624	Dichlorodifluoromethane	75-71-8	
624	Ethyl Acetate	141-78-6	
624	Ethylbenzene	100-41-4	
624	Hexachlorobutadiene	87-68-3	
624	Iodomethane	74-88-4	
624	Isopropylbenzene	98-82-8	
624	m+p-Xylenes	1330-20-7	
624	2-Butanone	78-93-3	
624	Methyl isobutyl ketone	108-10-1	
624	Methyl tert-butyl ether (MTBE)	1634-04-4	
624	Methylene chloride	75-09-2	
624	n-Butylbenzene	104-51-8	
624	n-Propylbenzene	103-65-1	

624	Naphthalene	91-20-3	
624	o-Xylene	95-47-6	
624	p-Isopropyltoluene	99-87-6	
624	sec-Butylbenzene	135-98-8	
624	Styrene	100-42-5	
624	tert-Butylbenzene	98-06-6	
624	Tetrachloroethene	127-18-4	
624	Toluene	108-88-3	
624	trans-1,2-Dichloroethene	156-60-5	
624	trans-1,3-Dichloropropene	10061-02-6	
624	Trichloroethene	79-01-6	
624	Trichlorofluoromethane	75-69-4	
624	Vinyl acetate	108-05-4	
624	Vinyl chloride	75-01-4	
624	1,2-Dichloroethene (Total)	540-59-0	
624	BETX, Total	BETX	
624	Xylenes, Total	1330-20-7	

3. Please provide a grab sample analysis of the injectate water for all parameters identified in the table above.
4. I calculate the maximum area of review to be 2,032 feet (cone of influence) using your input parameters. However I used a viscosity of water of 0.01002 gm/cm-sec (at 68 F) and you used a viscosity of water of 0.0048 gm/cm-sec. This may be where much of the discrepancy exists. One can verify my calculations with our on-line *Area of Review* calculator <https://gem.trihydro.com>.
5. Please provide injection equipment cut sheets that describe the types of equipment used for monitoring annulus pressures, tubing pressures, data loggers, kill switches, and alarms.
6. This well as proposed will require an aquifer exemption from EPA Region 8. By copy of this letter they will be receiving a copy of the application.



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 27, 2007

Dorothy J. Overfield, Manager
Northwest Rural Water District
P.O. Box 2347
Cody, Wyoming 82414

RE: Northwest Rural Water District - North Cody Service Area - Idaho Creek Terraces Waterline Extension, Permit Number: 07-176, NE ¼, Section 16, T53N, R101W, Park County, PWS #WY5601254C

Dear Ms. Overfield:

This project will serve eleven residential connections within the Idaho Creek Terraces Subdivision. The above application for coverage under General Permit to construct a treated water line, extension of a public water supply distribution system, consisting of 1,510 linear feet of 2-inch water line and 2,973 linear feet of 4-inch water line has been reviewed in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules 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

cc: Robert Overfield, P.E., Engineering Associates, P.O. Box 1900, Cody, WY 82414
IPS, Cheyenne

encl: General Permit For a Public Water Supply Distribution 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

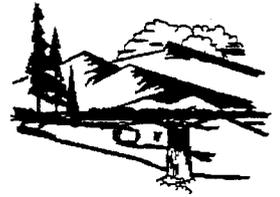
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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

May 25, 2007

David G. Westling, Assistant City Engineer
City of Green River
50 E. 2nd N
Green River, WY 82935

RE: Northside B, C and Jensen Street - Water and Sewer Main Extensions - Permit Number
07-177, SE and SW1/4 Section 15, T18N, R107W, Sweetwater County, Wyoming
PWS: WY5600050

Dear Mr. Westling:

The above application for coverage under General Permits to Construct water and sewer main reconstruction of 6219 feet sewer main and 7476 feet PVC water main serving chiefly residences located in the Northwest established area of Green River 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,

Perry Roberson
Environmental Senior Analyst
Water Quality Division

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

xc: ✓ IPS, Cheyenne

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



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

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Wheatland LDS Addition – New Septic System

LOCATION: XX ¼, Section xx, TxxN, RxxW, **Platte County**

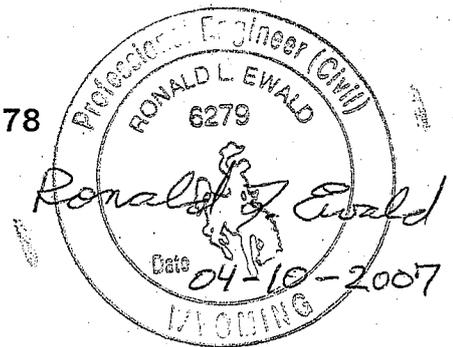
ENGINEER: Douglas Wissner
MKK Consulting Engineers, Inc.
500 West 18th Street
Cheyenne, Wyoming 82001
Ph: (307) 634-7647

APPLICANT: Corporation of the Presiding Bishop of the Church of Jesus Christ of
Latter-Day Saints, A Utah Corporation, Solo
Attn. Alan Palmer, Designated Representative, Project Manager
50 East North Temple Street
Salt Lake City, Utah 84150
Ph: ???

WATER QUALITY DIVISION REFERENCE NUMBER: **07-178**

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

DATE OF REVIEW: April 10, 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. Professional Engineer Seal and Signature Required on the Engineering Design Report (EDR) - In this application the DEQ / Water Quality Division (WQD) pre-engineered "Design Information Package for Small Wastewater Facilities of Less Than 2000 Gallons Per Day of Design Flow" was used as the EDR which is acceptable provided that:
 - a. the design information package is complete,
 - b. the information and data submitted is correct and useable, and
 - c. since this is a "commercial" (i.e. – non-residential) project, the EDR must also be signed and sealed by a Wyoming Licensed Professional Engineer.

The design information package is incomplete and has errors and needs to be completed, corrected, and signed and sealed by the project P.E.

2. Application Package Questions Not Answered - the following parts of the application package were not answered and need to be completed:

Section Identification:

- A.2. Need the ¼ Section, Section, Township, and Range
- A.3. Need the Subdivision name, lot #, block # etc., if applicable
- B.1. Lot size?
- B.3. Show the direction of the Ground Slope on the Site Plan
- B.4. Soil Description?
- B.6. Seasonally high groundwater level is? This question and how it was determined needs to be answered.
- B.7. Depth to bedrock or impermeable soil is?

These questions cannot be left blank. They must be answered.

3. Percolation Test Data and Results Unacceptable - the percolation (perk) test data makes no sense. The water level column is always 20" which means there is no drop during the time interval, yet the water level drop column does show a drop of several inches for each 10 minute time interval. Also, the water level drop rates that are shown on the data sheet start at 2", then they go up to 3 or 3.5 or even 4", then back down to 2", and then back up to 3 or 3.5" again. This is not the pattern of water level drop stability that the instructions and the example describe that is needed for an acceptable perk test. And lastly, the test performer has the final drop rates on the three data columns listed as 3", 2.5", and 2", yet for calculating the perk rate he has all three "final Drops" listed as ½" per 10 minutes. This results in a perk rate calculation of 20 minutes per inch (mpi), which this reviewer has no idea from

the data presented if 20mpi is anywhere close to the correct perk rate value for the soil at this site.

Therefore, the perk test has to be completely redone by someone who knows how to properly conduct a perk test until a stable water level drop is obtained. Then, with the correct perk rate, all of the leachfield size calculations must be re-calculated, and possibly even redo the site plan if needed.

4. Leachfield Header Pipe Layout - the leachfield header pipe layout must be such that relatively equal flow distribution to each leg of the leachfield is attained. The header pipe layout shown on the site plan will not accomplish this goal, whereas the header pipe layout shown on the "Four Trench Chambered Leachfield" detail sheet in the application package does. Therefore, the header pipe layout shall be as shown on the Four Trench detail sheet if four trenches are still needed after the perk test and leachfield size calculations are redone.
5. Blank Application Package - a blank application package is included with this review for your convenience in responding to these comments. Also, a copy of the previously submitted application package is included as well.

RLE/rm/7-0293

Enclosures: Blank Application Package
Copy of Original Submittal



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 4, 2007

Corporation of the Presiding Bishop of the Church of Jesus Christ of Latter-Day Saints,
A Utah Corporation, Sole
Attn. Alan Palmer, Designated Representative / Project Manager
50 East North Temple Street
Salt Lake City, Utah 84150

RE: Wheatland LDS Addition – New Septic System, Application No. **07-178**
Location: SE¼, Section 14, T24N, R68W, Platte County

Dear Mr. Palmer:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on June 4, 2009. Please reference Application Number **07-178** in any future correspondence.

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

Sincerely,

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

RLE/rm/7-0460

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Douglas Wissner, MKK Consulting Engineers, Inc., 500 West 18th Street,
Cheyenne, Wyoming 82001
Platte County Planner, Marlin Johnson, P.O. Box 728, Wheatland, Wyoming 82201

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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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 4, 2007

David Reynolds Jr.
PO Box 202
Moorcroft, WY 82721

RE: Reynolds Small Wastewater System Permit# 07-179

Dear Mr. Reynolds:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility in accordance with Chapter 3 and Chapter 11, Part D, of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, 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 Dennis Lamb at 152 North Durbin, Casper, WY, 82601, (307) 473-3452. Thank you.

Sincerely,

Dennis Lamb
CBM Group Supervisor DEQ/WQD

cc: 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

April 19, 2007

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

RE: Gobel-O'Donnell Waterline Replacement, Application No. 07-180

Dear Mr. Kauchich:

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 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 permit.

If you have any questions, please contact me at 307-473-3471.

Sincerely,

Kevin J. Frank

Kevin J. Frank, PE
Engineering Consultant
Water Quality Division

cc: IPS, Cheyenne
Lewis James, JKC Engineering, 5830 E 2nd St., Casper, WY 82609



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

Permit No. 07-181
SPECIAL CONDITIONS

This permit hereby authorizes the applicant:

Campbell County School District
1000 West 8th Street
P.O. Box 3033
Gillette, WY 82717

to have constructed, installed or modified the Recluse School Well #3, according to the procedures and conditions of the application number 07-181. 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 discharge permit conditions or other effluent or operational requirements. Compliance with discharge standards remains the responsibility of the permittee.

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

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

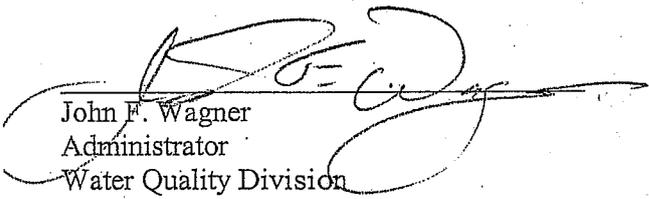
Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit. The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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

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

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

4-6-07
Date of Issuance

KLE/rm/7-0278
~~SR~~ 4/6/7

Cc: Steve Bruce, Bruce Engineering, Inc., P.O. Box 194, Gillette, WY 82717

STATEMENT OF BASIS

1. Permit Number: 07-181
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?

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

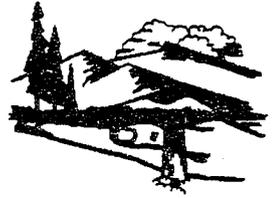
N/A
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this 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 April 6, 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

April 5, 2007

Mayor Linda Corners
TOWN OF BAGGS
130 SOUTH PENLAND ST.
BAGGS, WY 82321

RE: BAGGS, WYOMING SANITARY SEWER IMPROVEMENT PROJECT,
Application No. **07-182**, Carbon County

Dear Mayor Corners:

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 a 250 ft long 8" diameter PVC sewer line replacement, Section 5 T12N R91W; Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the 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 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. **07-182** 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

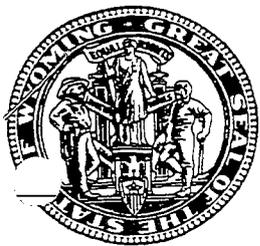
LBH/rm/7-0277

cc: IPS, Cheyenne

JAMES A. O'NEILL LIDSTONE & ASSOCIATES, INC., 4025 AUTOMATION
WAY, FT. COLLINS CO 80525

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





Department of Environmental Quality



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

John Corra, Director

Dave Freudenthal, Governor

May 18, 2007

Dave Kellogg, President
Leader Corporation
185 South Fifth Street
Lander, WY 82520

RE: Eggli Bros. Commercial Development - Water and Sewer, Permit Number: 07-183,
Fremont County

Dear Mr. Kellogg:

On May 17, 2007 our office received a letter from your consultant, HKM Engineering, that the Egglis Bros. Commercial Development project has been terminated and will not be constructed. Thus, permit application 07-183 is being withdrawn. The construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a 'Permit to Construct' is a violation of Wyoming State Statute 35-11-301 and may lead to the imposition of penalties.

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

Sincerely,

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

XC: Steve Gerber, P.E., HKM Engineering, 906 Main St., Lander, WY 82520
Mickey Simmons, City of Lander, 240 Lincoln, Lander, WY 82520
IPS



May 15, 2007
H:\80\B769101\Correspondence\cancel deq permit - letter.doc

James S. Brough
DEQ/Water Quality Division
510 Meadowview Drive
Lander, WY 82520



906 Main Street
P.O. Box 1655
Lander, WY 82520
Phone: 307.332.3285
Fax: 307.332.5795
www.hkminc.com

**RE: Eggli Bros. Commercial Development – Water and Sewer
Permit No. 07-183**

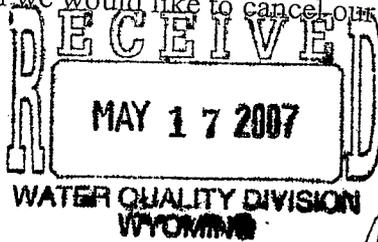
Dear Mr. Brough

Our client, the Leader Corporation, has informed us that the Eggli Bros. Commercial Development project has been terminated and will not be constructed. For this reason we would like to cancel our permit to construct.

Respectfully submitted,

HKM Engineering, Inc.


Dr. Kasey Jones, E.I.T.
Staff Engineer




Steven P. Gerber, P.E.
Senior Project Manager

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-183

Eggli Bros. Commercial Development - Water and Sewer

This permit hereby authorizes the applicant:

Dave Kellogg, President
Leader Corporation
185 South Fifth Street
Lander, WY 82520

to install approximately 1,200 linear feet of 4-inch, 6-inch and 8-inch PVC water line, 1,800 linear feet of 6-inch force and 8-inch gravity sewer line, and a lift station equipped with a Muffin Monster Grinder and two sewage pumps; according to the procedures and conditions of the application number 07-183. The facility is located within NE ¼, Section 20, Township 33 North and Range 99 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 2, 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.

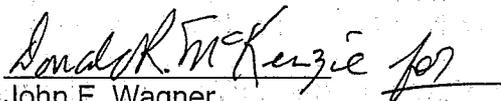
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

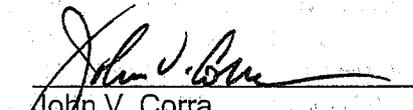
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

5/7/07
Date of Issuance

JSB/rm/7-0369

STATEMENT OF BASIS

1. Permit Number: 07-183
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. NA
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water systems and 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

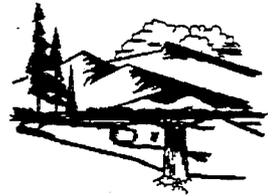
The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, jbroug@state.wy.us, Environmental Engineer and completed on May 2, 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: Steve Gerber, P.E., HKM Engineering, 906 Main St., Lander, WY 82520
Mickey Simmons, City of Lander, 240 Lincoln, Lander, WY 82520

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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 20, 2007

Lee Lesmeistes
356 Nostrum Rd.
Thermopolis, WY 82443

RE: Lesmeistes' Small Wastewater Treatment Facility, Permit Number: 07-184, Section 4, T42N, R95W, Hot Springs County

Dear Mr. Lesmeistes:

This is a new tank and leachfield system to serve a three bedroom residence. The above application for coverage under General Permit to construct a gravity flow septic tank and leachfield 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 provided that the spacing (e.g., minimum separation distance of three feet is maintained between the two trenches) and depth requirements shown on the attached sheet are satisfied.

Lee Campbell, Hot Springs County Planner, must be contacted at 307-864-2961 to schedule a construction inspection at least 24 hours prior to the beginning of construction. 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
Lee Campbell, Hot Springs County, 415 Arapahoe, Thermopolis, WY 82443 (w/enclosures)

encl: Two-Trench Chambered Leachfield Detail
General Permit For a Small Wastewater Facility

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 10, 2007

Matthew Leuthard
1331 Coulsan Ave.
P.O. Box 211
Kemmerer, WY 83101

ARCHIVES

RE: Leuthard, Small Wastewater Leachfield System - Permit Number 07-185, Section 22, T21N, R116W, Rolling Hills Subdivision, Lincoln County

Dear Mr. Leuthard:

The above application for coverage under General Permit to Construct a small wastewater treatment facility consisting of a 1000 gallon septic tank, 4 trench leach field 82 feet in length to serve a 4 bedroom home, in accordance with Chapter 3, Section 7 and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

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

Sincerely,

Perry Roberson
Environmental Senior Analyst
Water Quality Division

Mark Baron, P.E.
Southwest District Engineer

xc: IPS, Cheyenne
George D. Crank, P.E.

encl: General Permit for Small Wastewater Treatment Systems





The State
of Wyoming



Dave Freudenthal, Governor

Department of Environmental Quality

John Corra, Director

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

NOTIFICATION OF COVERAGE

April 23, 2007

Lark Durnell
Box 632
Moorcroft, WY 82721

RE: Durnell Residential Septic System, Crook County
Permit # 07-186

Dear Mr. Durnell:

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 Kim Medina at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3465. Thank you.

Sincerely,

Kim J. Medina
Senior Environmental Analyst
WDEQ/WQD

Enclosures: General Permit
Certificate of Completion

cc: IPS, Cheyenne
Scott Graham, Tri-City Excavation, Inc., 169 Thorn Divide Road, Carlile, WY 82721
Tim Lyons, Crook County, P.O. Box 37, Sundance, WY 82729

Page 1 of 1

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

PERMIT NO. 07-187

Gillette S-20/S-12 Replacement Wells

This permit hereby authorizes the applicant:

City of Gillette
201 East 5th Street.
Gillette, Wyoming 82717

To have drilled, constructed, developed, and tested the Gillette S-20/S-12 replacement wells, according to the procedures and conditions of the application number 07-187. The project is located in the SE/NE/4 of Section 19, T50N, R72W and NW/NW/4 of Section 34, T50N, R72W, in the county of Campbell, in the State of Wyoming. The facility is located in the City of Gillette, 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 land application 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 land application is located 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.

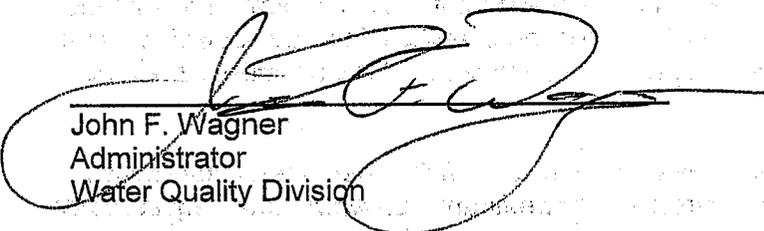
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor: any infringement of federal, state or local laws or regulations.

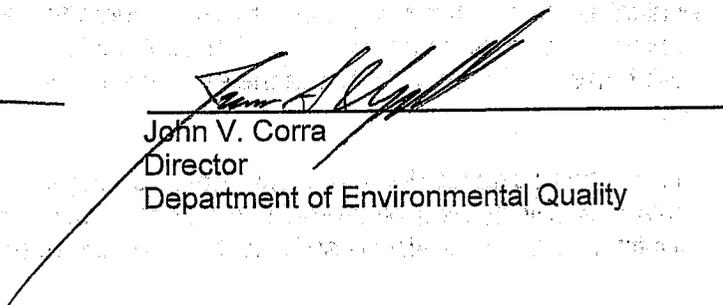
The permittee shall construct and operated the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 2 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 2 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

10-21-08
Date of Issuance

JDL/rm/8-0805

cc: WDEQ Casper Field Office

STATEMENT OF BASIS

1. Permit Number: 07-187
2. Application reviewed for compliance with the following applicable regulations :
 - a. Chapter 3, 11, and 12 Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?

Yes
4. Facility includes components not specifically covered or differing from applicable regulations and approval is based on deviation in accordance with Section 5.

Not applicable
5. Documentation of Statement of Basis.

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Dennis Lamb, and completed on October 14, 2008. 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
AS-BUILT PERMIT TO CONSTRUCT

PERMIT NO. 07-188R

Kelly - Teton Science School Well
PWS #WY5680099

This permit hereby authorizes the applicant:

Thayne O'Brien, Contracting Officer
Grand Teton National Park
P.O. Box 170
Moose, WY 83012

to drill, construct, develop and test Kelly - Teton Science School Well; according to the procedures and conditions of the application number 07-188R. The facility is located within SW ¼, SE ¼, Section 24, T43N, R115W in the county of Teton, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by January 8, 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.

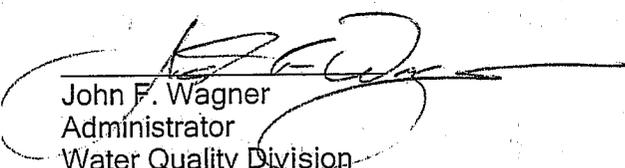
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

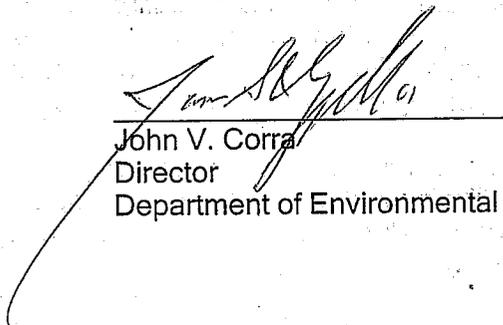
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 4 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 4 A Chapter 3 Permit to Construction Application along with plans and technical specifications for the equipping of the well and other construction such as installation of discharge piping, construction of a well house, disinfection, etc. must be submitted to the Wyoming Department of Environmental Quality. A Permit to Construct must be obtained prior to construction of the aforementioned items.
- 3 of 4 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.
- 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

9-14-07
Date of Issuance
JSB/jsb

STATEMENT OF BASIS

1. Permit Number: 07-188R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes. However, subsequent plans and specifications must be submitted for the equipping of the well and other construction such as installation of discharge piping, construction of a well house, disinfection, etc.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water supply wells are exempted from review by Chapter 3, Section 17
6. Documentation of Statement of Basis: The archives 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 September 8, 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: Bob Wemple, Grand Teton National Park, P.O. Box 170, Moose, WY 83012

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

No Public Water System Number Assigned to North Star
PWS # WY5600604 existing system to be change to North Star

PERMIT NO. 07-189R

North Star Utility Company- Water & Wastewater Phase III

This permit hereby authorizes the applicant:

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

to construct a public water supply system and a sewage collection systems consisting of two water wells, a clearwell, a pump house, water mains, a sewage lift station and sewage collection mains, according to the procedures and conditions of the application number 07-189R. The facilities are located just North of the Town of Alpine across the Snake River at Lot 1, SE 1/4 SE 1/4 Section 20, T37N, R118W in the county of Lincoln, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by July 20, 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.

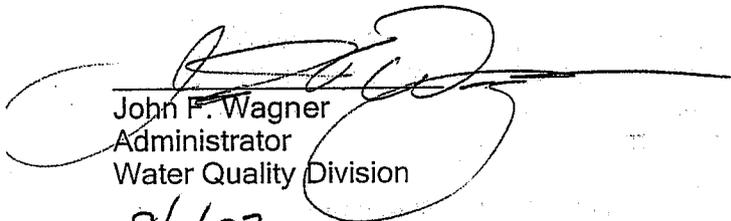
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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:

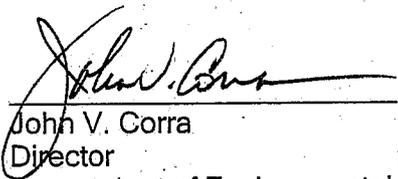
- 1 of 4 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadow View Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, 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 4 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 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 4 of 4 Yield and drawdown test information for each water well, must be submitted upon completion of the water wells along with the required O and M manuals.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division

8/1/07
Date of Issuance
MDB/rm/7-0592

APR 7/31/7


John V. Corra
Director
Department of Environmental Quality

STATEMENT OF BASIS

1. Permit Number: 07-189R
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. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Not required.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, P.E., mbaron@state.wy.us, Southwest District Engineer and completed on July 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."

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



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

May 16, 2007

Scott M. Hansen
Yellow Creek Ranch Company
170 Yellow Creek Road
Evanston, WY 82930

RE: Evanston - Twin Ridge Subdivision #4 - Phases 2-5, Water and Sewer Main Extensions - Permit Number 07-190, SW 1/4, Section 29, T15N, R120W, Uinta County

Dear Mr. Hansen:

The above application for coverage under General Permits to Construct water and sewer main extensions consisting of about 7300 linear feet (LF) of 8-inch PVC sewer main and 1600 LF of 8-inch ductile iron water main and 6800 LF of 6-inch ductile iron water main to serve 122 residential lots 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
Gareth Powell, P.E., Uinta Engineering and Surveying, P.O. Box 746, Evanston, WY 82931
Brian Honey, City of Evanston, 1200 Main Street, Evanston, WY 82930

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





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

April 11, 2007

Kevin Mathews, P.E.
Fidelity Exploration and Production Co.
1700 Lincoln Street Suite 2800
Denver, CO 80203

RE: RC Injection Project and Area Application **07-191**
Class V Individual injection well application, Sheridan County

Dear Mr. Mathews:

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 January 3, 2007 and has until March 5, 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.

Sincerely,

Charles McGhee, P.G.
UIC Geological Project Analyst
Water Quality Division

CAM/rm/7-0295

Attachments: WDEQ Comments

c: Joel Adams, Hydrosolutions, Inc. P.O. Box 2446, Red Lodge, MT 59068
WDEQ UIC file



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

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

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

PROJECT: RC Injection Project

LOCATION: Sheridan County

APPLICANT:
Fidelity Exploration and Production Co.
170 Lincoln Street, Suite 2800
Denver CO 80203

OWNER: Fidelity Exploration and Production Co.

CONSULTANTS:

GEOLOGIST Ted K. Kendall, P.G.
Unknown address

ENGINEER Eric M. Detmer, P.E.
Unknown address

TITLE: *"Class V Individual permit with area application to dispose of produced CBM water from varied Coal Seams within the Fort Union Formation into the Dietz 2/3, Monarch, and Carney coal seams. in Sheridan County, WY"*

PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: December 18, 2006

DATE RECEIVED BY WDEQ: January 3, 2007

WDEQ REVIEWER: Charles McGhee, P.G.
GEOLOGIST

INITIAL REVIEW DATE: March 8, 2007

DATE OF THIS REVIEW: April 10, 2007

ACTION: Application Incomplete; See Attached Comments

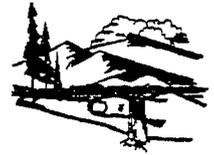
I. WDEQ Comments:

Specific Comments - Additional Information Required (Charles McGhee: 777-6792)

1. Please fulfill all requirements pursuant to Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6 (c). Please provide the information and locations from all the production wells that contribute to the waste stream being injected. Is any injectate derived from Montana? Is all of the injectate water derived from Fidelity production wells? If not please provide average injection volumes with associated companies.
2. Please re-evaluate potential impacts to existing wells that fall within the area of review and the maximum area affected by the injected waste; especially where two or three injecting well heads are located in close proximity as required in Chapter 16, Section 6(c)(iv)(A). Each injection well requires an individual area of review calculation.
3. Please provide plugging and abandonment plans for each well and refer to Chapter 11, Section Section 70 for Plugging and Abandonment requirements.
4. Analytical results (total not dissolved) from recent ground water samples from each of the wells and the injectate must be provided as required in Chapter 16, Section 6 (c)(vii). Please provide water quality grab samples for all analytes listed in Chapter 8, Table 1 so that we may properly classify the groundwater.
5. If monitoring wells are a part of the **Environmental Monitoring Program**, please provide a map showing the identifications, locations in their relationship to each injection well, total depths, and sampling intervals, along with a written monitoring plan which will give an indication of migration prior to any impact to aquifers or surface waters as required in Chapter 16, Section 11(f)(ii), and (g)(h)and(i).
6. According to Chapter 16, Section 6 (c)(ix), please provide a list of all permits by number and agency that have been obtained for these wells. This includes a statement as to whether or not the wells are within a state approved water quality management plan area, a state approved wellhead protection area or a state approved source water protection area.
7. Please address all requirements identified in Chapter 16, Section 10 (p)(i)(ii)(iii)(iv)(v)(vi)(vii).
8. What assurances can be provided that the injectate will not surface through the faults identified in Attachment D of the application. Will the faults be monitored for injectate surfacing?
9. Please provide a statement regarding the well construction standards for each well as required in Chapter 16, Section 6 (c)(v)(B).



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 11, 2007

Hat Six Ranch
Tony Chaput
P.O. Box 458
Evansville, WY 82636

RE: Hat Six Ranch Residential Septic System
Permit # 07-192

Dear Mr. Chaput:

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 the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O, of the general permit.

Additionally, the following project specific conditions also apply:

- 1) Clean-outs - Cleanouts must be installed at any change in alignment in the sewer line 22.5° degrees or greater.
- 2) This permit is for a small wastewater system designed to serve a maximum of five residences, 10 bedrooms, with estimated minimum peak wastewater flows of 1,950 gallons per day or less. **No other buildings, facilities, or additional bedrooms/bathrooms will be allowed to be connected to this system.**



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: Corey Olsen, 7910 S. Hat Six Rd., Casper, WY 82609
 April Gindulis, Natrona County Health Department, 475 S. Spruce, Casper, WY 82601-1759
 IPS, Cheyenne

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-193

Lander Paleozoic Well Deepening
PWS # WY5600176

This permit hereby authorizes the applicant:

Mick Wolfe, Mayor
City of Lander
240 Lincoln Street
Lander, WY 82520

to deepen, construct, develop and test a Paleozoic Exploration Well; according to the procedures and conditions of the application number 07-193. This project involves deepening a well from a 2,500-foot depth which targets the Tensleep aquifer to a 3,080-foot depth which targets the Madison formation. The facility is located within SW 1/4, Section 26, T33N, R100W 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.

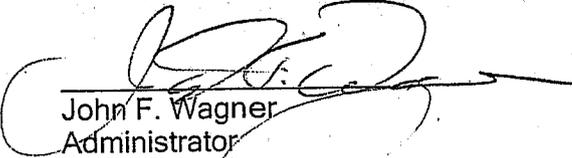
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

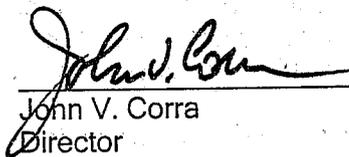
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 4 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 4 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 4 A Chapter 3 Permit to Construction Application along with plans and technical specifications for the equipping of the well and other construction such as installation of discharge piping, construction of a well house, disinfection, etc., must be submitted to the Wyoming Department of Environmental Quality. A Permit to Construct must be obtained prior to construction of the aforementioned items.
- 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

4/18/07
Date of Issuance
4/17/07
JSB/rm/7-0315

STATEMENT OF BASIS

1. Permit Number: 07-193
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes. However, subsequent plans and specifications must be submitted for the equipping of the well and other construction such as installation of discharge piping, construction of a well house, disinfection, etc.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
 - a. Chapter 12, Section 9(b)(iii)(c)(IV) requires 2 inches of grout in the annular opening between the bore hole and the casing. ANSI/AWWA Standard A100-06 allows a reduction in the annular opening to 1-1/2 inches radial thickness for the Halliburton grouting method. This radial thickness is practically achieved in the annular space between the 12-1/4 inch bore hole and the 9-5/8 inch steel casing. The extent of the sanitary seal, almost 2,000 feet, is much greater than the 50-foot minimum depth required by AWWA Standard for public water wells. The contractor will be required to conduct a cement bond log on the 9-5/8 inch steel casing and take appropriate remedial measures if necessary. This permit grants a variance to the above referenced regulation.
 - b. Chapter 12, Section 9(b)(iii)(c)(IV)(1.) requires neat cement grout conforming to ASTM Standard C150 and water with not more than 6 gallons of water per sack of cement. The specifications call for API Type G, H or "light" cement for the grout seal for the 1,975 to 2,780 depth interval to seal off the Tensleep formation. This is requested due to the excessive height and associated weight of the cement column. A specialized cementing contractor will be utilized for placement of the grout seal. This permit grants a variance to the above referenced regulation.
 - c. Chapter 12, section 9(b)(ii)(B) states every well shall be tested for plumbness and alignment in accordance with AWWA A-100. The contractor will be required to routinely test for hole deviation only while drilling the upper 2,050 feet of the well which will serve as the pump chamber portion of the well. The specifications require that the well be constructed to permit free installation and operation of the test pump and production pump. This satisfies AWWA A-100 alignment requirement.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.

Public water supply wells are exempted from review by Chapter 3, Section 17

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, Environmental Engineer jbroug@state.wy.us, and completed on April 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: Ben Jordan, P.G., Weston Engineering, Inc., 1050 No. 3rd Street, Suite E, Laramie, WY 82072
Kevin Boyce, P.G., WWDC, 6920 Yellowtail Rd., Cheyenne, WY 82002

F:\DIVISION\WQD\W&WW Section\2007 Permits & Reviews\07-193.pc.jsb.doc

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 07-194

Targhee Towne Water Supply and Transmission System Improvements
PWS# WY5600787

This permit hereby authorizes the applicant:

Targhee Towne Water District
PO Box 1137
Alta, Wyoming 83414

to construct, install or modify a completion of new supply wells constructed in the WWDC Level II program; upgrade an existing supply well; installation of new transmission lines, service connections and meters; and construction of a new control building with standby power; according to the procedures and conditions of the application number 07-194. The facility is located in SW1/4 Section 20 and Lots 3 and 4 (aka SE1/4) Section 19, Township 44 North, Range 118 West in the county of Teton, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 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.

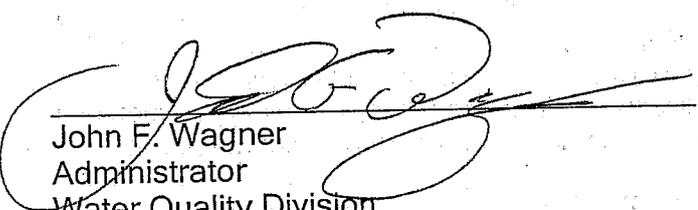
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

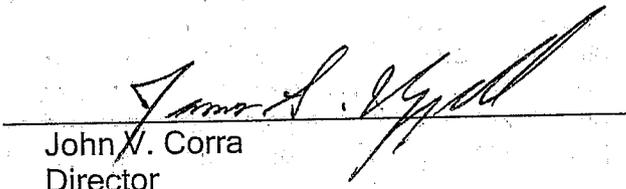
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the DEQ/WQD Northwest District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations (WWQRR) of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 3 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Northwest District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
 - 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. 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 N. Corra
Director
Department of Environmental Quality

7-18-07
Date of Issuance

KJF/rm/7-0574
OR 7/16/07

STATEMENT OF BASIS

1. Permit Number: 07-194
2. Application reviewed for compliance with the following applicable regulations:
 - a. Chapters 3 and 12.
3. Does the permit comply with all applicable regulations identified above?
 - a. Yes
4. Facilities not specifically covered by regulations
 - a. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
Not applicable.
 - b. Briefly state the basis for the deviation.
Not applicable.
5. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.
not required
6. Documentation of Statement of Basis.

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter 3, Wyoming Water Quality Rules and Regulations. This review was performed by Kevin Frank, PE, SRF Program Engineering Consultant and completed on July 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."



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 27, 2007

Mr. Michael Martin
Sunset Resources, LLC
630 Henry Road
Riverton, Wyoming 82501

RE: Dubois A.D Martin Fire Main, Permit Number 07-195, Lot 1 Painted Hills Estates, SE ¼ Sec. 7, T41N, R106W, Fremont County.

Dear Mr. Martin:

The above application for coverage under a General Permit to construct a 6-inch diameter AWWA C-900 PVC water main and appurtenances with backflow protection device to serve a lumber yard in accordance with Chapter 3, Section 7 and Chapter 12, Section 14, of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved.

You are authorized to construct the water main and appurtenances 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 me at 307-332-3144.

Sincerely,

Jeff Hermansky
Northwest District Engineering Supervisor

xc: Jerry Crews, Cardinal Design Group
IPS, Cheyenne

encl: General Permit for a Water Distribution 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

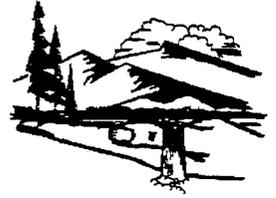
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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

June 4, 2007

Rick Green
Green's Energy Service, Inc.
200 Hillcrest Lane
Rock Springs, WY 82901

RE: Rock Springs - Green's Energy Service - Water and Sewer Main Extensions - Permit Number 07-196, N 1/2, Section 15, T19N, R105W, Sweetwater County

Dear Mr. Green:

The above application for coverage under General Permits to Construct water and sewer main extensions consisting of about 1166 linear feet (LF) of 6-inch PVC sewer main and 1534 LF of 8-inch PVC water main and 153 LF of 6-inch PVC water main to serve a commercial facility 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
Randy J. Hansen, P.E., JFC Engineers & Surveyors, 1515 Ninth Street, Rock Springs, WY 82901
Paul D. Kauchich, P.E., Department of Engineering and Operations, 212 D Street, Rock Springs, WY 82901
Vess Walker, Public Service Director, 212 D Street, Rock Springs, WY 82901

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

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

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FAX 332-7726

WATER QUALITY
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FAX 332-3183

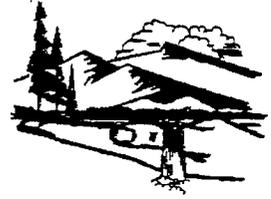


General Permit for a Sewage Collection System





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 26, 2007

Carl Franze
P.O. Box 1452
IXP, Inc.
Pinedale, WY 82941

RE: Sublette County - Sand Draw Phase II- IXP Mancamp Phase I - Small Waste Water System - Permit Number 07-197, NW 1/4 Section 5, T30N, R107W, Sublette County

Dear Mr. Frances:

The above application for coverage under General Permit to Construct a small enhanced wastewater treatment and disposal facility and collection system consisting of 459 Quick 4 infiltrator units and about 255 linear feet of 6-inch sewer main (the enhanced treatment system and septic tank is requires to be permitted under a second permit which will be identified as Phase II) to serves a 12 unit mancamp in accordance with Chapter 3, Section 7 and Chapter 11, Part D and Section 5, Chapter 23,Section 7(d)(viii)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.

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

- 1 of 5 This permit is for an enhanced (extended aeration, activated sludge treatment system with and leach field) small wastewater treatment system. The permittee is required to obtain a maintenance contract and submit annual documentation that maintenance is being provided in accordance with the manufacturer requirements and recommendations and the permit conditions. Authority for this requirement is found in Sections 11 (a) and (c), Chapter 3 of the Wyoming Water Quality Rules and Regulations. Annual maintenance documentation must be submitted before December 31 of each year, starting December 31, 2008 to: Southwest District Engineer, Wyoming Department of Environmental Quality, 510 Meadowview Drive, Lander, WY 82520. Failure to submit annual maintenance documentation is a violation of the compliance requirements for this permit issued under Wyoming Statue 35-11-301.



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

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

Sincerely,



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

xc: IPS, Cheyenne
Keith Raney, Sublette County Environmental Health, P.O. Box 722, Pinedale, WY 82941

encl: General Permit for a Small Waste Water System



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 26, 2007

Scott R. Lose
P.O. Box 1843
Rawlins, Wyoming 82301

RE: Lose Residential Septic System, Application No. **07-198**
Location: E½ SE¼, Section 13, T21N, R88W, Carbon County

Dear Mr. Lose:

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

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on April 26, 2009. Please reference Application Number **07-198** in any future correspondence.

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

Sincerely,

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

RLE/rm/7-0343

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Carbon County Planning Director, Lou Kline, 215 W. Buffalo Street, #304,
P.O. Box 487, Rawlins, Wyoming 82301

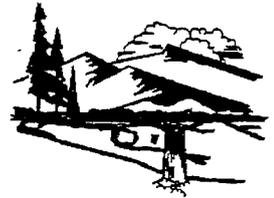
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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

April 19, 2007

Thomas J. Moore
661 Hwy 120 West
Thermopolis, WY 82443

RE: Moore's Small Wastewater Treatment Facility, Permit Number: 07-199, Section 19, T43N, R95W, Hot Springs County

Dear Mr. Moore:

This is a replacement tank and leachfield system to serve a five bedroom residence. The above application for coverage under General Permit to construct a gravity flow septic tank and leachfield 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 provided. DEQ does recommend three flow divider tees for a four trench leachfield.

Lee Campbell, Hot Springs County Planner, must be contacted at 307-864-2961 to schedule a construction inspection at least 24 hours prior to the beginning of construction. 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
Steve Cassady, Butch's Plumbing, 1221 Sand Draw Rd., Kirby, WY 82430
Lee Campbell, Hot Springs County, 415 Arapahoe, Thermopolis, WY 82443 (w/enclosures)

encl: General Permit For a Small Wastewater Facility

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FAX 332-7726

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FAX 332-7726

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



PERMIT TO CONSTRUCT

New
 Renewal
 Modified

PERMIT NO. 07-200
SPECIAL CONDITIONS

UPR, Carpenter A-1

This permit hereby authorizes the applicant:

Anadarko Petroleum
P.O. Box 1330
Houston, TX 77251

to construct, install or modify temporary test well(s), soil borings and an LNAPL recovery system according to the procedures and conditions of the application number 07-200. The facility is located in Section 31, T15N, R120W in the county of Sweetwater, in the State of Wyoming. All construction, installation or modification allowed by this permit shall be completed by April 1, 2012.

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

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

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

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

The permittee shall notify representatives from the DEQ, Water Quality Division when the construction commences and give an estimate of completion for the project. The authorized representative in your area can be contacted at the following address: WDEQ, Water Quality Division, 510 Meadowview Drive, Lander, Wyoming 82520; telephone (307) 332-3144; FAX (307) 332-3183.

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

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

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

1. After the monitoring well(s)/piezometer(s) have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements. No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division.
2. WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of groundwater monitoring wells/piezometers and sample collection so that they may be on site if deemed necessary.
3. The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
4. The results of any other analyses conducted on soil or water removed from these wells/piezometers or boreholes shall be provided to the department as soon as they are available.
5. ***Environmental Monitoring Program for Groundwater of the State:***
 - a. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.
 - b. The permittee shall maintain records of all monitoring information for a period of at least 3 years.
 - c. Records of monitoring information shall include:
 - i. The date, exact place, and time of sampling or measurements;
 - ii. The name(s) of individual(s) who performed the sampling or measurements;
 - iii. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.
 - iv. Sampling procedures and sample preservation accomplished;
 - v. The date(s) analyses were performed;
 - vi. Names of individuals who performed the analyses;

- vii. The analytical techniques or methods used; and
- viii. The results of such analyses.
- ix. Groundwater samples from the monitoring wells shall be analyzed as indicated on the following table. This table supercedes previous permit requirements.

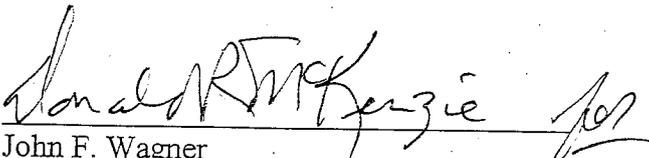
WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED	PERMIT LIMIT*
All Existing Monitoring wells	Semi-annual	EPA 8015M EPA 8120 (or equivalent)	TPH-GRO BTEX	

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

6. Within ninety (90) days of completion of the recovery system installation, Anandarko shall submit a completion report. The completion report shall include the operation and maintenance plan and "as built" diagrams of the recovery system. Thereafter, an annual report, as is currently being submitted, will be required that provides a summary of the sampling data, LNAPL recovery amounts, a description of any equipment problems or downtime, and any other pertinent data.

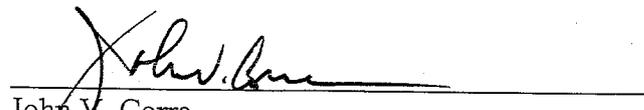
7. The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required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

AUTHORIZED BY:



 John F. Wagner

Administrator
 Water Quality Division



 John Y. Corra

Director
 Department of Environmental Quality

5/6/07

 Date of Issuance

IFT/rm/7-0370
 cc: IPS,
 Lander

GROUNDWATER POLLUTION CONTROL PROGRAM
REVIEW COMMENTS:
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
510 Meadowview Drive
Lander, Wyoming 82520
(307)332-3144

PROJECT: SITE REMEDIATION

APPLICANT:
Jeff Bordelon
Sr. Environmental Advisor
Anadarko Petroleum
P.O. Box 1330
Houston, TX 77251

ENGINEER/CONSULTANT:
Brian Martinek
Cameron-Cole, LLC
5777 Central Ave., Suite 200
Boulder, CO 80301

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 07-200

EXISTING NEW AS BUILT

TITLE: Work Plan for Installation of Temporary Test Wells and Additional Recovery Well, Anadarko Petroleum Corp., Carpenter A-1 Well Site, Evanston, WY (Formerly UPR Resources)

PLANS SPECS PROPOSAL REPORT
[Check all that APPLY]

DATE ON PROPOSAL/PLANS/REPORT: April 16, 2007 (Date stamped 4/17/07)

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES

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

REVIEWING OFFICIAL:

Mark Thiesse P.G.

DATE OF THIS REVIEW: May 2, 2007

ACTION: Work Plan approved as submitted

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description. The Union Pacific Resources (UPR) Carpenter A-1 site is a former production oil well that is approximately two miles south of Evanston, Wyoming in Uinta County. The site is 1.5 acres surrounded by pasture land. A site characterization investigation was conducted as a requirement by the Wyoming Oil and Gas Conservation Commission for the closure of a blowdown pit. The investigation revealed subsurface hydrocarbon contamination. An additional investigation was performed in 1998 (see below).

1.2 Hydrogeology. Groundwater exists at about ten feet below ground surface. The nearest surface water is Yellow Creek, located 0.5 miles to the west.

1.3 Contamination. A light "gasoline-like" product was observed floating on the shallow water table through backhoe excavations and auger holes near the blowdown pit. In the 1998 investigation, condensate was identified in a monitoring well and "heavy, non-hazardous crude-like oil" was found at shallow depths in the former process area.

2.0 SUMMARY OF WORK COMPLETED TO DATE:

2.1 July 1997 Site Characterization. Holes were dug using a backhoe or drilled using a small auger rig in and around the former blowdown pit. Hydrocarbons were observed floating on the shallow water table.

2.2 1998 Report of Investigation. An investigation of the site, including a blow down pit and a former process area, was performed following the November 6, 1997 Subsurface Investigation Work plan. The goals of the investigation were to delineate the vertical and horizontal extent of light non-aqueous phase liquids (LNAPLs), characterize the local hydrogeology, determine the presence of potential receptors and evaluate if remediation measures are necessary.

2.2.1 Groundwater Investigation. Thirteen (13) boreholes were drilled to define the site lithology, delineate the plume (free and dissolved phase) boundary, and determine the site hydrology. Five (5) of the borings were converted to groundwater monitoring wells to determine groundwater flow direction and gradient, to assess groundwater quality and to measure any LNAPL accumulation. Four of the wells surround the pit and one well was installed in the center of the pit location. Groundwater from the wells was sampled and analyzed for TPH-DRO and TPH-GRO, and BTEX compounds. Natural attenuation parameters were also measured. The wells were also measured for LNAPL accumulation. Well MW-4 contained LNAPL and was not sampled for dissolved phase contaminants. The groundwater flow direction and gradient was determined to be to the west at 0.01 ft/ft. This held steady during four months of monitoring. The four surrounding wells, MW-1, 2, 3, and 5, were non-detect or had very low levels of dissolved phase contamination. Well MW-4 contained up to 4.40 feet of condensate.

2.2.2 Soil Investigation. Each of the thirteen (13) borings were advanced through at least eight feet of alluvium before intersecting the claystone bedrock. The "perched" aquifer is located in the alluvium. Evaluation of the borings suggests that the blow down pit is located in a shallow "bowl" of alluvium surrounded by the relatively impermeable claystone. Lithology logs were prepared for each boring. Visual, olfactory, and organic vapor measurement (OVM) readings were noted for each boring. Where contamination was obvious, soil samples were collected and sent to a laboratory for BTEX and TPH analysis. Significant hydrocarbon contamination was only observed in BH-24 where a THP-GRO level of 829 mg/kg was reported by the laboratory. This boring is located near the old processing area. Boring BH-21, located between MW-4 and MW-3, also exhibited some hydrocarbon contamination based on the field observations, however, no laboratory analysis was performed. Geophysical testing of the soil was performed, resulting in a permeability (K) of 4.38 feet per year or 4.235×10^{-6} cm/second.

2.2.3 Potential Receptors. A one mile radius was investigated for streams, crops, livestock, ponds, irrigation ditches and water wells. Eight wells supplying water for domestic and/or stock use were located in the one mile radius. The wells that are being used for domestic uses are completed in the deeper, confined aquifer. The stock ponds and livestock wells are completed in the perched, unconfined aquifer. Surrounding fields are used to grow hay and to pasture livestock. A contaminant travel time estimate was performed to determine how long it will take the contaminant plume to migrate down gradient to the property boundary, to the nearest water supply well and to the nearest occupied dwelling. The travel times were calculated to be 14.6 years to the property boundary, 394.2 years to the nearest down gradient water supply well, and 401.5 years to the nearest down gradient occupied dwelling.

2.3 1999 Corrective Action Plan. The corrective action plan (CAP), that discusses plans for recovery of the LNAPL and remediation of impacted soil and groundwater, was required by the March 16, 1999 WDEQ review of the 1998 ROI. The WDEQ review also required further investigation of the former process area.

2.3.1 Former Process Area Investigation. UPR's plan involves drilling at least four (4) borings in the area to define the soil contamination and install a monitoring well in one of the borings to test for the presence of LNAPL and dissolved phase groundwater contamination. Samples of the soil will be sent to a lab for volatile and semi-volatile analyses (EPA methods 8260 and 8270). The groundwater will be tested for BTEX and TPH-GRO.

2.3.2 LNAPL Recovery. The CAP provides UPR's plans for LNAPL recovery at the site. The total volume of LNAPL released at the site was estimated to be 981 gallons based on LNAPL thicknesses measured in monitoring well MW-4. A software program called OILVOL was used to determine this amount. The program also estimated that 631 gallons are LNAPL, 308 gallons are residual product in the saturated zone and 42 gallons are residual product in the unsaturated zone. The total recoverable amount will be less than the 981 gallons, probably in the range of 300-500 gallons. An LNAPL drawdown/recovery test was performed on MW-4 in 1998. The observed LNAPL thickness returned to its original thickness after approximately 2 days indicating that the LNAPL can be removed from this well, but at a relatively slow rate, probably around 10 gallons per day. The lithology at well MW-4 is a silty sand alluvium which should be acceptable for the planned recovery system.

UPR proposes to use MW-4 as a recovery well using a pneumatically operated skimmer pump to transfer LNAPL from the well to a on-site 400 barrel storage tank. The recovered LNAPL

will then be trucked to an active UPR facility for processing. The storage tank will be equipped with an automatic high-level shut-off control to prevent overflowing the tank. An operation and maintenance manual will be prepared following construction of the system.

Performance of the recovery system will be measured by the amount of product recovered, the product thickness in MW-4, and by the water quality of down gradient wells. The system will be monitored on a monthly basis. The monitoring wells will be gauged and sampled quarterly for BTEX and TPH-GRO. pH, conductivity, and redox potential will be measured in the field. UPR has a contingency plan for adding more recovery wells if the single well is not proving to be effective.

2.3.3 Natural Attenuation (NA). UPR plans to analyze the site groundwater for NA indication parameters once the LNAPL is recovered or significantly reduced. These parameters include electron acceptors and biodegradation by-products. A model such as Bioscreen will be used to evaluate the effectiveness of NA at the site.

2.4 2000 Corrective Action Report. The current report provides information on the work that was planned as described above in the Corrective Action Plan. The soil borings were installed, with one of the borings converted to a monitoring well, and the recovery system was installed, tested, and finally became fully operational in the Spring of 2001.

2.4.1 Additional Investigation. In June 2000, a limited subsurface investigation was performed to define the extent of impact by heavy hydrocarbons in the vadose zone at a previously discovered location at the site, thought to be a former process area. This location is unrelated to the former blown down pit and the condensate contamination. Four (4) borings were performed in the area assumed to be where the "heavy" petroleum is concentrated. The borings were field screened using a Organic Vapor Meter (OVM). Soil samples were collected from the shallow soil (2'+/-) and from approximately 11 feet deep (at the water table depth) and analyzed for VOC and SVOC compounds using EPA analytical methods 8260 and 8270. This data, combined with previous soil sampling (July, 1997) identifies an area of shallow (3-7 feet) "heavy range" petroleum soil contamination at concentrations well below EPA soil standards. The near surface impact and the area of the impact suggests that the contamination is due to a historic operation at the site unrelated to the condensate contamination associated with the blown down pit.

One boring, in the middle of the "heavy petroleum" soil contamination, was made into a groundwater monitoring well. This well, MW-6, was sampled and had EPA method 8021 for BTEX and method 8015 GRO and DRO analyses performed. The well was sampled in June and November 2000. The maximum BTEX readings were 2,200/160/2,300/4,560 µg/l respectively. The maximum TPH-DRO and GRO readings were 0.63 and 75.0 mg/l.

2.4.2 Annual Sampling Results. Monitoring wells MW-1 through MW-5 were sampled three times during 2000 for BTEX and TPH-GRO compounds. Well MW-4, located in the center of the former blow down pit, had free phase hydrocarbons present in the well on all three occasions, so it was not sampled. The remaining wells were non-detect for all compounds during 2000.

2.4.3 Recovery System Installation and Operation. In August 2000, a Solar Sipper system was installed in MW-4 to recover the free phase hydrocarbon (FPH). The system consists of a solar panel, battery, control panel, skimmer pump, air compressor and tubing, high level shut

off system and a 500 gallon, doubled wall storage tank. After some system testing and fine tuning, it is set to run on a timed interval to collect the FPH. Currently it is recovering approximately 1 quart every two hours. Because of system down times during the testing/shakedown period, only 40 gallons of FPH has been recovered at the time the report was written. The system operates by applying a vacuum to the floating skimmer which opens a valve and allows FPH to enter the reservoir. After several seconds the pump reverses itself, applying pressure to the collector, closing the inlet valve, and forcing the accumulated FPH to the surface. The system will work as the groundwater fluctuates over a range of approximately 2.5 feet. The Report provides a complete operations manual for additional operation and maintenance information.

As mentioned above, several "bugs" had to be worked out before the system began working efficiently. The main problem with the installation was that during irrigation season, the groundwater elevation changes approximately 10 feet in a matter of a few days. This will either cause the skimmer to be completely covered by rising groundwater, allowing only water to be captured, or it will be hanging in mid air as the groundwater elevation falls. The solution to this problem is to take the system off line during the few months that irrigation is occurring. Other problems encountered were with the filter becoming plugged and the timing of the controller was not functioning properly. As of the spring of 2001, the system was operating as designed with no problems. The system is being checked on a monthly basis.

2.5 April 2007 Work Plan. This permit to construct application provided plans and specs for performing a limited subsurface investigation to determine the extent of FPH in the subsurface and to install an additional recovery well. The two current recovery wells are not working as quickly as hoped. The installation of a third recovery well should accelerate the recovery of the FPH. Up to five (5) temporary test wells will be installed to investigate FPH thicknesses. Once an area of the maximum thickness is identified, a permanent recovery well, with oil skimmer, will be installed. The skimmer will be completed the same as the existing recovery wells. A construction report will be provided following the field work. All of the field work will follow applicable WDEQ and EPA guidelines and requirements.

3.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

3.1 The April 2007 work plan is approved as submitted. Please submit a report on the construction details as soon as possible following the construction activities.

END OF REVIEW
MFT/rm/7-0370