



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

July 21, 2009

Henry John Yeager, III
P.O. Box 294
Lusk, Wyoming 82225

RE: Yeager Residential Septic System,
Location: SW¼, Section 13, T32N, R64W,

Application No. **09-351**
Niobrara County

Dear Mr. Yeager:

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 also directed to the reporting requirements* contained in the attached "CERTIFICATION of COMPLETION" form (especially item #2 which requires the submission of several photographs of different components of the leachfield construction before they are covered). Additionally, the following project specific conditions also apply:

- A. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.
- B. Distribution Box (D-box) Requirements - the **D-box shall be set on top of undisturbed soil**. There should be no fill soil placed under the D-box to level it because this could lead to uneven settling and overload some trenches while others remain dry.

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

ADMIN/OUTREACH (307) 777-7937 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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The approval granted under this Notification Of Coverage and the General Permit shall expire on July 21, 2011. Please reference Application Number **09-351** in any future correspondence.

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

Sincerely,



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

- * to see the entire "General Permit" for Small Wastewater Facilities go to the DEQ Home page at: <http://deq.state.wy.us/> and **click on** Water Quality on the left side of the page, and then under WQD PROGRAMS,
- **Click on** the Water & Wastewater Program bullet, and then
 - under Engineering & Technical Services scroll down to
 - General Permits, and **click on** Small Wastewater Systems.

OR – Go directly to:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp , and under Item #1. Small wastewater facilities, **click on** the "LINK TO PDF".

RLE/rm/9-0624

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne
Neil Holmes, Niobrara County Planning & Zoning Chairman, 363 McMaster Road,
Van Tassell, Wyoming 82242

CERTIFICATION of COMPLETION for

“ **NOTIFICATION of COVERAGE** ” under “ **GENERAL PERMIT** ” for
Small Wastewater Facilities in Accordance with Chapter 3 and Part D, Chapter 11, WQR&R

In accordance with the condition of Application Num. 09-351, located in Niobrara County, requiring submittal of this Certification of Completion form within sixty(60) days of completion of the authorized facility(s), I hereby certify the following to be accurate and correct statements of the current status of the project authorized by the above referenced permit number:

1. Construction of the permitted facility(s) was completed on _____ (DATE), and the facility(s) was placed into operation on _____ (DATE).

2. **Pictures of different components** of the facility at various stages of construction **shall be submitted**, including but not limited to the following (**each box must be checked**):

- The septic tank in place with the top and inflow and outflow lines in view,
- The dosing tank if applicable,
- The distribution box (if applicable) and/or leachfield header piping layout,
- A cross-section view of a trench showing the total depth and vertical distribution of leachfield construction materials (such as the washed rock, perforated pipe or chambers, filter paper, straw, fill, top soil, etc.), and

Optional:

- Any other pertinent or important construction details. (If Applicable)

3. Construction was completed in accordance with: (***this box MUST be checked***)

- The facility(s) was constructed in compliance with all terms and conditions of the permit including the design report, plans & specifications, design data, or other pertinent information submitted in support of the application.

Facility Owner's Name (print or type)

Title (Owner, President, Manager, etc.)

Owner's Signature

Date

Mail to: Ronald L. Ewald, Consulting Engineer, DEQ/Water Quality Division, Herschler Bldg. 4-W, 122 West 25th Street, Cheyenne, WY 82002 (307) 777-6183



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

June 25, 2009

David True
P.O. Drawer 2360
Casper, WY 82602

RE: LAK (Aimonetto) Small Residential Wastewater System Tank Replacement, Permit # **09-352**
Location: SW ¼ NE ¼, Section 10, T44N, R62W; Weston County

Dear Mr. True:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

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

This Notification of Coverage is issued in response to the submission of the information for a septic tank replacement. The leach field at this site appears to be functioning properly at this time. However, if the leach field fails, a replacement field will need to be installed and a permit is required prior to construction. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.**

If you have any questions, please contact me at (307) 777.6941.

Sincerely,

Suzanne Pagorek
WDEQ/WQD

SP/rm/9-0552

cc: IPS, Cheyenne
WYDEQ File
Weston County Assessor, 1 W Main, Newcastle, WY 82701

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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

July 28, 2009

Boyd Siddoway
Star Valley Ranch
HCR 62 P.O. Box 7007
Star Valley Ranch, WY 83127

RE: Star Valley Ranch Main Entry Project 09-353, N1/2 Sec 17, T35N, R118 W, Lincoln County
Lat: 42.978 Lon: 110.9689

Dear Mr. Siddoway:

The above application for coverage under a General Permit to Construct, improvement to the water distribution system consisting of 2900 feet 12 inch, 1500 feet 8 inch, 100 feet 6 inch and 15 feet 4 inch C-900 PVC water main to be constructed 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 facilities in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

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

Sincerely,

Perry Roberson
Consulting Engineer
Water Quality Division

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

PDF: WDEQ Cheyenne
Clarence S. Kemp P.E., Forsgren Associates Inc., 849 Front Street, Suite 201, Evanston,
WY 82930

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

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

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

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

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

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





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

July 10, 2009

Vern Fundenberger, Mayor
Town of Pine Haven
24 Waters Drive
Pine Haven, WY 82721

RE: Lot 10A & 10B Glenn Vista Estates Sewer Line, WDEQ #09-354,
Town of Pine Haven, WY

Dear Mr. Fundenberger:

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 permit.**

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

Sincerely,

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

Enclosures: General Permit, Certificate of Completion

cc: E.D. Stetson, P.E., Stetson Engineering Inc., P.O. Box 457, Gillette, WY 82717
Crook County Growth and Development
WDEQ File
IPS (Cheyenne)



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-355

BP Petroleum Moxa Arch North Evaporation Pit, Cell #3
Commercial Oilfield Wastewater Evaporation Pond

This permit hereby authorizes the applicant:

BP America Production Company
P.O. Box 130
Granger, WY 82934

to construct, install or modify one additional evaporative pond cell (Cell #3) for disposal of oilfield exploration and production wastewaters, located approximately 14 miles northeast of Opal, according to the procedures and conditions of the application number 09-355. The facility is located in the southwest quarter, Section 25, Township 22 North, Range 112 West, in the county of Lincoln, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by June 1, 2011.

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 10 The applicant will notify the CBM / Oil and Gas Group, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, WY 82601, Phone 307-473-3465, FAX 307-473-3458 of the date construction will begin and the estimated completion date.
- 2 of 10 The applicant will provide immediate oral or written notice to the CBM / Oil and Gas Group, Water Quality Division, 152 North Durbin Street, 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.
- 3 of 10 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the CBM / Oil and Gas Group, Water Quality Division, 152 North Durbin Street, 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.
- 4 of 10 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 5 of 10 Measurement of depth to groundwater in all monitor wells and testing of groundwater is to be performed prior to filling any ponds (Cell #3) at this facility. Groundwater monitoring will be conducted on a quarterly basis and results reported to DEQ within a month after receiving laboratory analytical reports. Samples will be submitted for the following analysis:
 - a) electrical conductivity
 - b) pH
 - c) chloride
 - d) sodium
 - e) alkalinity
 - f) sulfate
 - g) total dissolved solids

The analyte list and monitoring frequency are subject to revision as needed by CBM / Oil and Gas Group, Water Quality Division.

6 of 10 The leak detection system is to be checked weekly for the first month following filling of a pond (Cell #3) and monthly thereafter with a log kept of the inspection results. If fluid is found, the DEQ CBM / Oil and Gas Group is to be notified immediately, and samples are to be pulled from the inspection pipes and tested for total petroleum hydrocarbons (TPH) by EPA Method 8015 (modified), chlorides, total dissolved solids (TDS) and sulfates. Results are to be reported to DEQ as soon as they are available. Testing requirements are subject to revision as needed.

If a leak is confirmed, the pond(s) will be pumped dry of all wastewater. No additional wastewater will be placed into the pond(s) until a complete inspection and test of the liner is completed.

7 of 10 Fluids in the pond (Cell #3) are to be checked annually for the following constituents. Each pond will be sampled and analyzed separately in accordance with the following list:

- a) electrical conductivity
- b) pH
- c) chloride
- d) sodium
- e) alkalinity
- f) sulfate
- g) barium
- h) total dissolved solids

The results of the pond analyses are to be reported to DEQ within one month after receiving laboratory analytical reports. The analyte list and monitoring frequency are subject to revision by CBM / Oil and Gas Group, Water Quality Division.

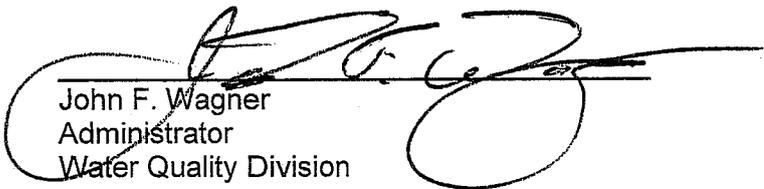
8 of 10 The facility is authorized to receive oilfield produced water classified as exploration and production waste, exempt from RCRA regulations by EPA. Any other waste must be approved on a case by case basis by the DEQ and the owner. Prior to approval for disposal by DEQ/WQD, all other waste will be subject to rules, regulations, policies, and/or procedures related to hazardous waste determination and disposal, as issued or promulgated by DEQ/Solid and Hazardous Waste Division (SHWD).

9 of 10 The validity of this permit is subject to the owner maintaining a bond acceptable to the State of Wyoming, DEQ/WQD for the amount of the facility closure and post-closure costs. The bonding amount is subject to review on an annual basis.

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10 of 10 An annual report will be submitted to DEQ CBM / Oil and Gas Group by April 1 of each year. The annual report will include relevant details of the construction, modification, and operation details of the facility from the previous year, any anticipated construction, modification and/or operational changes for the upcoming year. The report will include a discussion and analysis of the groundwater monitoring, leak detection monitoring and pond analysis. A listing of all non exploration and production wastes accepted by the facility will also be included in the annual report. This listing shall include generator, type of waste, amount and date of disposal. The annual report will also include a review of the closure and post closure requirements, including financial costs. A renewal of the bond will be required as part of the annual report. Reporting requirements are subject to modification by DEQ.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

7/17/09
Date of Issuance

JDL/kjm/bb/9-0617

cc: Tetra Tech, Inc., 605 N. Warehouse Road, Casper, WY 82601

STATEMENT OF BASIS

1. Permit Number: 09-355
2. Application reviewed for compliance with the following applicable 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 or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.
 - a. The permit includes approval to deviate from the following regulatory requirements:
Not applicable
 - b. Briefly state the basis for the deviation.
Not applicable
 - c. Permit approval is based upon deviation from applicable regulations in accordance with approved policy statement.
Not applicable
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was required.
6. If Section 17 of Chapter 3 review is required, indicate the basis for determining groundwater will be protected.

The facility will not allow a discharge to groundwater.

The new pond (Cell#3) will have a primary liner of 60 mil high density polyethylene with a 40 mil high density polyethylene secondary liner. A leak detection system, consisting of a geonet, will be installed between the two liners. Groundwater monitoring wells will also be installed at the facility to monitor groundwater on a quarterly basis.

Quality of wastewater is such that it will not cause a violation of groundwater standards.

Not applicable

Existing soils or geology will not allow a discharge to groundwater.

Not applicable

The facility is designed and will be operated so that it will not to violate groundwater standards.

Not applicable

Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

Not applicable

If any groundwater quality standards are to be exceeded, briefly describe how any users of the affected aquifer will be protected. The description should include the water quality standard affected, the anticipated maximum concentration, the property boundaries, places of groundwater withdrawal and any other relevant information.

Not applicable

Briefly describe monitoring plan. The groundwater monitoring plan includes the monitoring wells or other sampling points, the parameters to be analyzed, the sampling frequency and reporting methods.

The leak detection system will be checked weekly for the first month after the pond is filled. A log will be kept of the inspection results. The leak detection system is also monitored by a high level alarm system. If fluid is found, DEQ will be notified immediately. If a leak is confirmed, the pond(s) will be pumped dry of all wastewater. No additional wastewater will be placed into the pond(s) until a complete inspection and test of the liner is completed.

Measurement of depth to groundwater and testing of groundwater is to be performed prior to filling any ponds at this facility. Groundwater monitoring will be conducted on a quarterly basis and results reported to DEQ within a month after receiving laboratory analytical reports. If groundwater monitoring indicates a release to groundwater, a plan to investigate the extent of the release will be submitted to DEQ within 30 days after confirming the release for DEQ's approval. Following approval, the plan will be implemented.

Fluids in the pond are to be checked annually for hazardous constituents by collecting a sample from each pond in operation.

Operational concerns will be identified in an annual report to be submitted to DEQ by April 1 of each year. Any changes in operations, a discussion of groundwater monitoring, leak detection system operation, and pond characterization is to be included in the annual report.

The permit should clearly state the parameters to be utilized for determining compliance and what occurrences constitute a violation. The permit should identify the corrective actions to be taken in the event of a violation of a groundwater standard.

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 Kim Medina and Dennis Lamb, CBM / Oil and Gas Group and completed on July 1, 2009. 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."

KJM/JDL/bb/9-0617

AS-BUILT
PERMIT TO CONSTRUCT

PERMIT NO. 09-356

New
 Renewal
 Modified

Encana Oil & Gas (USA) Pavillion Compressor Station

This permit hereby authorizes the applicant:

Encana Oil & Gas (USA)
P.O. Box 1177
Riverton, WY 82501

to have constructed, installed or modified soil borings and groundwater monitoring wells according to the procedures and conditions of the application number 09-356. The facility is located in SE¼SE¼, Section 5, T3N, R3E (W.R.M.) in the county of Fremont, 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:

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 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.

4. The results of any 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. The results shall be presented in the same map and report format as those for the existing monitoring wells.

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; the name(s) of individual(s) who performed the sampling or measurements;

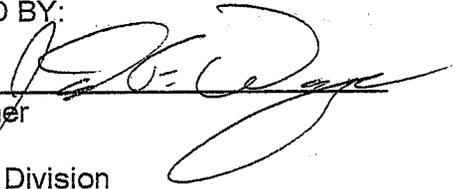
ii. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.

iii. Sampling procedures and sample preservation accomplished;

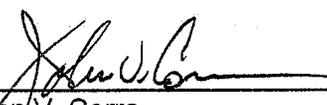
iv. The date(s) the analyses were performed, names of individuals who performed the analyses, the analytical techniques or methods used, and, results of such analyses.

v. Groundwater samples from the new wells shall be obtained for the same constituents and collected on the same schedule as the existing monitoring wells. Additionally, the same analytical methods shall be employed for the analysis as established with the existing wells.

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



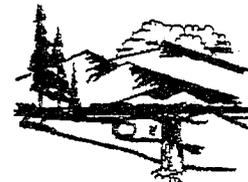
John V. Corra
Director
Department of Environmental Quality

7/23/09

Date of Issuance



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

GROUNDWATER POLLUTION CONTROL PROGRAM REVIEW COMMENTS

SITE NAME: PAVILLION COMPRESSOR STATION

SITE STATUS: SITE REMEDIATION

APPLICANT:

EnCana Oil and Gas
(Former Tom Brown Inc. and KN Energy)
Mr. Jim Jenkins
462 S. Federal Blvd
Riverton, WY 82501

ENGINEER/CONSULTANT:

Energy Compliance LLC
Mr. Paul Taucher, P.G.
2302 Nighthawk Drive
Laramie, WY 82072

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 09-356

EXISTING NEW AS BUILT

TITLE: Report on SVE Remedial Systems, Groundwater Monitoring & Additional Site Characterization: 2008-1st Quarter 2009, Pavilion Compressor Station, Fremont County, Wyoming

PLANS SPECS PROPOSAL REPORT
[Check all that APPLY]

DATE ON PROPOSAL/PLANS/REPORT: June 29, 2009 (date Stamped 7/1/09)

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES,
(Permits #96-165, 2-203 & 09-356)
AN LOV, NOV OR OTHER ENFORCEMENT? NO YES [DATE]

REVIEWING OFFICIAL:

Jim O'Connor, PG

DATE OF THIS REVIEW: July 16, 2009

ACTION: Report and recommendations approved.

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

SOLID & HAZARDOUS WASTE
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WATER QUALITY
(307) 332-3144
FAX 332-7726



COMMENTS: GROUNDWATER SECTION

1. SITE SUMMARY:

- 1.1. **Site Description.** The Encana Pavillion Compressor Station is located in Fremont County, near the town of Pavillion. The station was originally owned by KN Energy, it was purchased by Tom Brown Inc in January 2000. Previous reviews, prepared by the Cheyenne WQD office, and reports fully describe the site.
- 1.2. **Site History.** Two unlined earthen waste water pits were used at this gas transmission facility for several years following construction of the plant. These pits allowed hydrocarbon seepage into the soil and groundwater resulting in contamination above WQD standards. Free phase hydrocarbon (FPH) is found on the water table. WQD Permit #96-165 was issued in August 1997 for soil vapor extraction (SVE) groundwater recovery, and air sparge (AS) systems to remediate the soil and groundwater.
- 1.3. **Summary of Soil and Groundwater Contamination.** Both soil and groundwater contamination, including free phase hydrocarbon, was found on the site above WQD standards. Please refer to prior reports and reviews for additional details.
- 1.4. **Hydrogeology.** The groundwater at the facility has been determined to be a Class III aquifer based on readings from two background wells. The groundwater flow direction is to the east and southeast with depths of approximately 16 to 18 feet. Groundwater elevations have generally increased over the period of monitoring.

2. SUMMARY OF WORK COMPLETED TO DATE:

- 2.1. **Previous Work.** The East Pond SVE system was started in June 1996. In October 1996, the soil treatment cells were connected to the SVE system. The West Pit SVE system began operating in 1997. Several reports discuss the design and operation of the systems. Both systems operated full time, except for maintenance, until they were shut down on June 26, 2008. Although the systems operated as designed for several years, and successfully removed a large volume of volatile petroleum hydrocarbons from the subsurface in the vicinity of the former source areas (East Pond and West Pit), measureable progress toward groundwater remediation goals was limited. Consequently, contamination remains in an LNAPL smear-zone associated with the shallow water-table aquifer.
- 2.2. **1999-2000 System Performance and Groundwater Monitoring Report.** The report for this time period provides a comprehensive update on the operation of the SVE

and Air Sparge system. Also the effectiveness of the system and the status of the groundwater monitoring was discussed. The report submitted in May 1999 provided a preliminary evaluation of natural attenuation (NA) at the site and proposed future activities to confirm biodegradation. This report also provided an evaluation of the NA progress during that period.

2.2.1. East Pond System Status. The East Pond SVE system was designed to treat soil and groundwater by volatilization and removal of hydrocarbon above the water table, enhance biological activity in the soil by means of bioventing, to provide additional volatilization and biodegradation. As of May 1998 air sparging was added to the system with the intention of decreasing the groundwater levels by pumping. The only change to the system over was the replacement of a SVE blower in May 2000. Monitoring of the system included hydrocarbon emissions in order to comply with WYDEQ Air Quality Division permitting requirements. Additionally, vacuum monitoring was conducted to ensure that the system was operating efficiently. Furthermore, groundwater and free phase hydrocarbon levels were used to evaluate the progress of the remediation at the site. Mechanically a variety of other "in line" measuring devices were employed to determine operation efficiency and necessary adjustments were made throughout the year. The evaluation of the East Pond System for this period concluded states that the system was operating effectively and attained the projected rate of free product recovery. The report noted that the East system was recovering approximately 3 to 14 pounds of TPH/GRO per day. Some free phase hydrocarbon encountered in Cell A and Cell B as well as the monitoring wells adjacent to these cells. The free phase product was removed at a rate consistent with accumulation in the well. The report concluded that the system should continue in operation.

2.2.2. West Pit System Status. The West pit SVE system was installed to remove hydrocarbons from the soil and groundwater by volatilization and increased biodegradation. The West Pit blower was replaced in February 2001. The West Pit system was monitored for the same constituents as the East system. The report for this period states that the system was operating effectively and should be continued. The report noted that the West Pit system was removing approximately 3 to 4 pounds of TPH/GRO per day.

2.2.3. A summary of both systems concluded that the removal of hydrocarbons had reached a steady state considerably less than the initial recovery levels. The report observed that both SVE blowers had the capacity for expansion at either pond. The report suggested that the East pond system be expanded by installing additional AS lines in wells MW-8, 9, and 10, by adding an additional SVE/Sparge trench to the east and southeast of Cell A. Also, it was recommended that Cell A should be modified by adding a dedicated pump to better maintain the hydraulic sink.

2.2.4. Groundwater Monitoring Summary. Groundwater Sampling for BTEX occurred on a semi-annual basis. However, due to construction activities, only an annual event occurred in 1998. Subsequently, it was decided to allow sampling on an annual basis beginning in 1999. This decision was based on the consistent sampling results from 1993 to 1998. One monitoring well, MW 1 and a vacuum monitoring well, SVE 1, were abandoned in March 2000 to allow construction of a new building. Beginning in the late 1990's, 16 wells and Cell A were sampled annually for BTEX along with field and groundwater classification parameters. In 1999 four (4) slug tests were performed to evaluate the variability of permeability and seepage velocities across the site. A complete summary of the results were provided in the report for that period.

2.2.5. In addition to a table containing the analytical results, graphs from each of the wells for the BTEX compounds over time were provided. Overall, the BTEX readings were stable or slightly decreasing. This trend indicated that the plume was stationary. The West Pit found to have wells with higher dissolved phase concentrations. However, the east Pond exhibited free phase hydrocarbons. As previously stated, the groundwater classification of Class III was based on several background parameters. While groundwater elevations were observed to have generally increasing trend, there does not appear to be a correlation with dissolved phase concentrations. Free phase hydrocarbon (FPH) concentrations were measured in wells MW-1, 2, 8 and 10 during sampling events in 1999 and 2000. The annual report for that period stated that, although the East Pond SVE system was removing approximately 2 gallons of FPH per day, FPH persists in the wells to the east and south of the East Pond. Samples of the FPH were collected and analyzed to determine if the FPH could be volatilized by SVE. The samples revealed that the FPH was primarily less than C10. The significance being that the FPH is therefore relatively light and easily volatilized.

2.2.6. Natural Attenuation Evaluation. A preliminary evaluation of NA was provided in the May 1999 report. The natural attenuation parameters were complied with ASTM standards. Based on these parameters it was concluded that biodegradation is taking place and that the plume has reached steady state. The data in the August 2001 report corroborated the conclusions reached in the 1999 report. The data from the 2001 report included the following: regression analyses for the rate of NA, an evaluation of hydrogeochemical and physical indicators, plume size and shape, plots of dissolved contaminant concentration trends. All of this data supported the conclusion that NA was occurring by means of dilution and biodegradation

2.2.7. **Report Recommendations.** Based on current and historical data, the consultant, Cordilleran Compliance, recommended several options for the remediation systems. For the East Pond system: additional air sparge lines to wells MW8, 9 and 10, an additional SVE/sparge trench east and south of the existing trench, and, the installation of a dedicated pump and controller in order to better maintain Cell A as a hydraulic sink.

2.2.8. Other recommendations involved the groundwater monitoring program. Due to the relatively small seasonal variations in the data, the sampling at the site was restricted to an annual event with a limited number of wells. Five (5) of the existing 11 wells would be eliminated. The wells would be placed on 'stand-by' status. A final recommendation that was implemented was to abandon two wells completed in deeper saturated zones. Wells MW7 and 13 have been sampled since 1993. The report stated that well MW13 has not had detections of BTEX since 1993 and well MW7 has not had substantial concentration changes during that same period. The consultant suggested that these wells be abandoned due to the lack of reliable information.

2.3. **May 2002 Report on SVE System and Groundwater Monitoring.** This Report provided an update on the status of the remediation resulting from the SVE system. Minor modifications to the SVE system were proposed. To summarize the conclusions of the report: while the rate of the remediation was slow, a steady state condition appears to have been attained as evidenced by the occasional appearance of FPH. The system appeared to have reached a steady-state condition where the amount of hydrocarbon removed from the system is preventing the groundwater plume from migrating away from the source areas. The system was being operated in accord with the corrective action plan. Groundwater monitoring showed that dissolved phase contamination levels were somewhat inconsistent but relatively constant. The report recommended an additional investigation in the area of the West Pit. This investigation was to be carried out in conjunction with a research project proposed by the Energy and Environmental Research Center (EERC), at the University of North Dakota. This group was studying soil and groundwater contamination associated with natural gas compressor stations.

2.4. **Work Plan for Additional Monitoring wells (Permit to Construct #02-203).** The Work Plan provides the details for the installation of up to 10 soil borings and 6 additional monitoring wells at the facility. These were installed to support the research for the EERC project and to fill in some data gaps previously identified by the WQD. One well was completed in the southeast portion of the plant to track contaminant migration and the remainder focused in the area around the West Pit. The borings and wells were installed and sampled following WQD and EPA protocols. The wells obtained data for FPH, dissolved phase BTEX and TPH compounds. EERC also

sampled some of the wells for glycol as part of their research project. A report was provided to the WQD from Cordillera upon installation and completion of the wells.

2.5. **March 2008 Report.** This report provided the results from the installation of the new monitoring well installation (Paragraph 2.4 above) as well as an evaluation of the effectiveness of the SVE systems and the status of natural attenuation (NA) at the site. The new wells identified a south-east extension of the dissolved-phase hydrocarbon plume. In one case, MW-28, benzene was identified in concentrations greater than anywhere else on the site. The data was not definitive as to whether this is an indication of a new source or a "slug" of contamination from the pits. The evaluation of the effectiveness of the SVE system concluded that there is limited benefit in the continued operation of the system. The consultant recommended shutting down the system for a year to see if the FPH returns. The recommended options- abandon the system if the FPH doesn't return, or, re-start and operate the system if FPH is encountered. The report also provided an in depth evaluation of the NA potential and viability. The conclusion reached was that NA was occurring very slowly (bioremediation in particular) and that the plume had reached a stable configuration. However, the data suggests that it will take many decades to reach groundwater cleanup standards. The report recommends that a select set of wells be monitored to track the natural attenuation progress and to ensure the plume does not migrate further away from the facility.

3. **REQUESTS/REQUIREMENTS/RECOMMENDATIONS:** The current report, dated June 29, 2009, is accepted and we concur with the methods of data collection and the conclusions proffered by the consultant. We note that the locations of the new wells were depicted in several of the figures included in the report. Additionally, we agree that the data in the report confirmed the site conceptual model provided in earlier reports. Furthermore, we agree that the data suggests the plume is stable and has not migrated offsite. We also agree that air sparge and soil vapor extraction systems are of limited value with the remediation of this site and that natural attenuation is the preferred method of remediation at this juncture. We agree that both systems should be dismantled. Finally, we take this opportunity to commend the consultant for the scholarly work and insightful recommendations.

3.1. To that end, in addition to the seven specific recommendations from Energy Compliance, LLC, we offer the following comments:

3.1.1. In addition to the sampling frequency as outlined in Recommendation #3, the analytes to be sampled should be consistent with the current program.

3.1.2. As the information is in good order and proper standing, the recommendation is to approve the 'as-built' permit (attached) for the nine additional boreholes, with two completed as monitoring wells, as submitted.

END OF REVIEW



e Freudenthal, Governor

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

July 23, 2009

Jim Jenkins
Operations Team Lead, Wind River Basis
EnCana Oil & Gas (USA) Inc.
462 S. Federal Blvd
Riverton, WY 82501
(307) 857-4609

Re: WDEQ/WQD As-Built Permit to Construct; N° 09-356
Fremont County, Wyoming

Dear Mr. Jenkins,

The Wyoming Department of Environmental Quality/Water Quality Division (WDEQ/WQD) has reviewed the above referenced document. The report summarizes the historical remediation efforts and highlights the groundwater sampling results. The soil and groundwater contamination was the result of leakage of hydrocarbons from two unlined wastewater ponds employed to remove water and process condensable hydrocarbons compressed and injected into transmission lines.

The records reveal an extensive site history dating back to 1965 when operations at the compressor station began. The two ponds are referred to as the 'West Pit' and the 'East Pond' respectively. Discharge to the East Pond included water from the office/garage floor drains and water drained from an oil skimmer tank. Discharge to the West Pond included condensed water, hydrocarbons, triethylene glycol and possibly methanol from the dehydrator and regeneration units. Original subsurface investigative work transpired in the early 1990's when the pits were taken out of service and reclaimed. Subsequent soil and groundwater investigations delineated an area of groundwater hydrocarbon contamination (BTEX). Initial remediation efforts included air sparging (AS) and soil vapor extraction (SVE). Due to tight soils the mechanical remediation methods produced limited remediation results. An extensive drilling and monitoring program determined that the hydrogeological conditions have precluded migration from the site and that natural attenuation is the preferred remediation option.

Please be advised, two permits were previously issued for this facility. By way of reference, As-Built to Construct (#96-165) and Permit to Construct Groundwater Monitoring Wells (#02-203) are listed for the remediation efforts. As the application in good standing in proper order, WQD As-Built to Construct Permit N° 09-356 is hereby issued for the current phase of the remediation.

In the event that you have additional questions please feel free to contact me at your earliest

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

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

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

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

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

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



EnCana Oil & Gas (USA) Inc.
Pavillion Gas Compressor Station
Page 2 of 2

convenience. I can be reached at (307) 335-6942. Finally, we take this opportunity to express our appreciation for your ongoing cooperation in remediating this site.

Sincerely,



James P. O'Connor, P.G.
Geological Project Analyst
Water Quality Division

Enclosure: 'As-Built' Permit Form and Review Comments

cc: Mr. Paul Taucher, P.G.; Energy Compliance LLC; 2302 Nighthawk Dr; Laramie, WY 82072
(w/attch)
Mr. Kevin Frederick, GPC Program Supervisor, WQD/Cheyenne (w/ attch)
Lander File (2): EnCana Oil & Gas (USA); Fremont Co.(w/ attch); O'Connor Chron (w/ attch)
IPS/Cheyenne (w/ attch)

ROAD APPLICATION PERMIT

X New
Renewal
Modified

PERMIT NO. 09-357
SPECIAL CONDITIONS
REF/PERMIT

KIRBY DRAW ROAD ROAD APPLICATION

This permit hereby authorizes the applicant:

TRUE OIL LLC
P.O. BOX 2360
CASPER, WY 82602

to road apply a total of 80 barrels of waste crude oil and tank bottoms from the True Oil 32-34 on the Kirby Draw road according to the procedures and conditions of application number 09-357. The application area is located in portions of Sections 27 and 34, Township 33 North, Range 95 West, Fremont County, Wyoming. The site is located approximately 2 miles north-northwest of Sand Draw. This permit shall be effective until December 1, 2009.

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 standards. Compliance with DEQ standards is the responsibility of the permittee, owner, and/or operator.

Nothing in this permit constitutes an endorsement by the DEQ of the disposal method described herein. This permit verifies only that the submitted application meets the 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 of, the permitted activity. The permittee, owner and/or operator are solely responsible for any liability arising from the waste disposal permitted. 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.

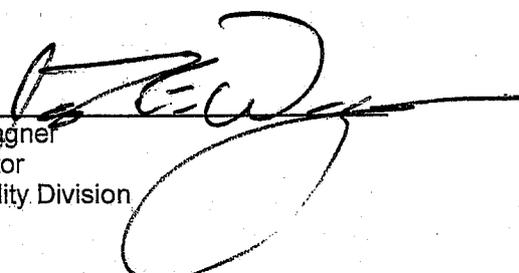
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

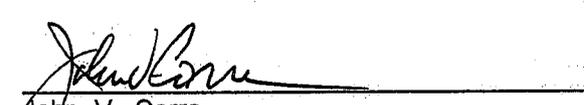
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 7 The permittee shall notify representatives from the DEQ/WQD of the anticipated project commencement and completion dates. At least 48 hours advance notice is required. The authorized representative in your area can be contacted at the following address: DEQ/WQD, Casper WDEQ Field Office, 152 North Durbin Street, Suite 100, Casper, WY 82601, telephone (307) 473-3452; FAX (307) 473-3458.
- 2 of 7 The permittee shall provide immediate oral and/or written notice to the Casper WDEQ Field Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications to the approved permit package.

- 3 of 7 The permittee shall provide certification that the project was completed in accordance with the terms and conditions of the permit within sixty (60) days of the project completion to the Casper WDEQ Field Office on the attached Certification of Completion form.
- a. Date that the road application was completed; and
 - b. Certification the road application was done in accordance with the terms and conditions of the permit; or
 - c. Certification the road application was completed with changes or modifications. Submit the information necessary to clearly indicate the road application as actually performed. This information shall include a contour map depicting only those sections of road that actually received waste crude oil and tank bottoms.
- 4 of 7 The review and approval of this permit is based upon the items identified in the attached Statement of Basis.
- 5 of 7 The waste crude oil and tank bottoms shall be applied uniformly and incorporated into the road bed. The volume and rates of application will be as required for dust control.
- 6 of 7 The application site slope shall not exceed eight percent (8%) for vehicular application. The application of waste crude oil and tank bottoms shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
- 7 of 7 Only the roads designated in this permit are authorized for application of the waste crude oil and tank bottoms. Additional or alternate sections of road meeting the requirements of the application and this permit may be utilized if a written description and maps are received and approved by the WQD.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

7/6/09
Date of Issuance

JDL/KJM/rm/9-0571

cc: WDEQ Casper Field Office

STATEMENT OF BASIS

I. General information.

A. Permit Number: 09-357

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

A. Chapter XI. No

B. Chapter XII. No

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

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

No

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

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

No

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

A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.

There are no numeric standards or criteria in Chapter XI for road application. W.S. 35-11-301 (a)(iii) requires a permit to be issued when any disposal system capable of causing or contributing to pollution is constructed, installed, modified, or operated.

B. Briefly state the basis for the deviation.

Road application is permitted when DEQ authorized disposal facilities are not readily available, a beneficial use of the waste to be applied is possible, and significant impact to waters of the State is minimized.

C. Permit based on general or statewide deviation contained in approved policy statement (indicate the policy number and briefly summarize the nature of the deviation).

District Policy numbers 10.1 (4/9/91), 10.2 (10/17/86), 10.3 (8/91), 10.4 (10/24/91), and 10.6 (1/18/91) address the statutory authority to regulate the road application of waste, establish criteria for characterizing the waste, and determine acceptable conditions for the application of the waste to roadbeds to minimize impact to waters of the State.

District Policy 10.2 (10/17/86)

V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NA

VI. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

A. Facility will not allow a discharge to groundwater. Briefly describe:

The opportunity for direct or indirect discharge, percolation, or filtration to groundwater is minimized by uniformly applying non-contact process water. Application is for dust control and as an aid in road construction (compaction).

B. Quality of waste is such that it will not cause a violation of groundwater standards. Briefly describe:

NA

C. Existing soils or geology will not allow a discharge to groundwater. Briefly describe:

NA

D. Basis of facility design is that it will be operated so as not to violate groundwater standards (example: maintenance of manure pack at animal waste treatment facility). Briefly describe:

NA

E. Discharge will result in groundwater concentrations in excess of standards but post discharge water quality can be returned to standards in accordance with Section 4 (d)(vi), Chapter VIII. Briefly describe:

NA

F. If water quality exceedances are allowed, briefly describe the parameter limits, property boundaries, places of withdrawal and any other information documenting that any users of affected aquifer will not be impacted.

NA

G. Briefly describe monitoring system (parameters, frequency, etc.). Clearly state the parameters to be utilized for determining compliance, what constitutes a violation and steps to be followed by the permittee in the event of a violation.

NA

VII. Documentation of Statement of Basis.

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Kim Medina, Senior Environmental Analyst, and completed on July 2, 2009, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 15, 2009

Larry Petersen
P.O. Box 285
Moorcroft, WY 82721

RE: Petersen Small Residential Wastewater System, Crook County
Location: SENE ¼ NESE ¼, S18, T50N, R65W; Permit # 09-359

Dear Mr. Petersen:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Additionally, the following permit conditions apply:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307.283.4548 to arrange an inspection of the system.

Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils. If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Pagorek
WDEQ/WQD

SP/rm/9-0605

cc: IPS, Cheyenne
WYDEQ File
Tim Lyons, Crook County Growth and Development, *Box 848, Sundance 82729*
Wade Habeck, Timberline Services, P.O. Box 867, Sundance, WY 82729

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

July 22, 2009

Dan Island
P.O. Box 155
Beulah, WY 82712

RE: Lenerville Small Residential Wastewater System, Crook County
Location: S29, T53N, R60W; Permit # 09-360

Dear Mr. Island:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

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

Additionally, the following permit conditions apply:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the leachfield.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307.283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Pagorek
WDEQ/WQD

SP/rm/9-0630

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, P.O. Box 848, Sundance, WY 82729
Wade Habeck, Timberline Services, P.O. Box 867, Sundance, WY 82729

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

September 24, 2009

Andrew Beamer, P.E.
City of Casper
200 North David
Casper, WY 82601

RE: Casper Fire-EMS Station No. 3 Project, WDEQ #09-361,
City of Casper, Wyoming

Dear Mr. Beamer:

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 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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

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

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

Sincerely,

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

Enclosures: Certificate of Completion

cc: Michelle L.D. Sell, P.E., Trihydro Corporation, 1252 Commerce Drive, Laramie, WY 82070
WDEQ File
IPS





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 20, 2009

City of Torrington
Robert Juve, City Engineer
2042 West A Street
Torrington, WY 82240

RE: Sheridan Court Sewer & Water Extension
Application No. **09-362**, Goshen County

Dear Mr. Juve:

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 or Existing Sewage Collection Systems described as installation of approximately 123 feet of 8 inch PVC water main and installation of approximately 110 feet of 8 inch PVC sewer main, Section 5, T24N R 61W; Goshen 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 18, 2011.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **09-362** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/9-0734

Enclosure: Certificate of Completion

cc: IPS, Cheyenne

Rachelle Thompson, Benchmark Engineers, P.O. Box 99, Torrington, WY 82240

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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

August 20, 2009

Dave Andrews, Public Works Director
Town of Glenrock
P.O. Box 417
Glenrock, WY 82637

RE: Town of Glenrock- Country Estates Waterline Project,
Application No. **09-363**, Converse County

Dear Mr. Andrews:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and of Existing Sewage Collection Systems described as installation of approximately 5,000 feet of 8 inch PVC water mains and installation of a pressure reducing valve, NW ¼ Section 4, T33N R75W; Converse County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by August 20, 2011.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **09-363** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/9-0733

cc: IPS, Cheyenne
Nicholas Larsen, C.E.P.I., 6080 Enterprise Drive, Casper, WY 82609

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 10, 2009

Dossie Overfield, Manager
Northwest Rural Water District
P.O. Box 2347
Cody, WY 82414

RE: NRWD - Lantz Treated Water Extension - Southfork Service Area. DEQ Permit #09-364R, Park County, NE1/4 Section 5, Lot 1; NW1/4 Section 4, Lots 3 & 4; T51N, R102W

Dear Ms. Overfield,

This project consists of the installation of approximately 3250 linear feet of 2-inch waterline along County Road 6UU (Diamond Basin Road), Southwest of Cody, to service one new service tap.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7, and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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

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

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

Sincerely,

Hannes E. Stueckler
Assistant Northwest District Engineer
Water Quality Division

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

xc: PDF to Cheyenne
Robert A. Overfield P.E., Engineering Associates, Inc, P.O. Box 1900, Cody, WY 82414





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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 17, 2009

Lee Alley
214 Gray Rocks Road
Wheatland, Wyoming 82201

RE: Alley Residential Septic System – 1 Bedroom Cabin, Application No. **09-365**
Location: NE¼ NE¼, Section 32, T25N, R67W, Platte County

Dear Mr. Alley:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **1 bedroom** cabin 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 also directed to the reporting requirements* contained in the attached "CERTIFICATION of COMPLETION" form (especially item #2 which requires the submission of several photographs of different components of the leachfield construction before they are covered). Additionally, the following project specific conditions also apply:

- A. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.
- B. Leachbed Excavation Size and Drainfield Piping Layout Requirements - the excavation size shall be 20 feet by 20 feet and no more than 6 to 8 inches deep. The piping grid layout shall be 15 feet by 15 feet with four lateral lines connected by header pipes at both the "head" and "tail" ends of the lateral pipes. The leachbed shall be constructed as illustrated in the attached "**Bed Type Pipe Leachfield**" detail sheet labeled – "**Conditions B & C**". Additionally the mound that will be constructed above the leachbed shall be approximately 42 feet by 42 feet – see condition "C" below.
- C. Mound Size and Design Requirements - it is required by the Rules & Regulations that the top of the mound extend at least 3 feet beyond the edge of the excavation

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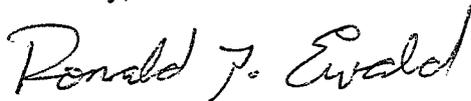
before it starts to slope down. Additionally the side slopes of the mound shall be no steeper than **4 to 1**, which results in about another 8 feet for a 2 foot high mound. Therefore, the mound shall extend approximately 11 feet beyond the edges of the excavation on all four sides. This results in a mound "footprint" of about 42 feet by 42 feet. See the attached detail sheet labeled "**Conditions B & C**" for exact details and dimensions.

- D. **Inspection Required** - The installation shall be inspected by DEQ Water Quality personnel before the final cover is placed over the construction. To schedule an inspection call Ronald Ewald at (307) 777-6183 at least 72 hours before the inspection is needed.

The approval granted under this Notification Of Coverage and the General Permit shall expire on July 16, 2011. Please reference Application Number **09-365** in any future correspondence.

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

Sincerely,



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

- * to see the entire "General Permit" for Small Wastewater Facilities go to the DEQ Home page at: <http://deq.state.wy.us/> and **click on** Water Quality on the left side of the page, and then under WQD PROGRAMS,
- **Click on** the Water & Wastewater Program bullet, and then
 - under Engineering & Technical Services scroll down to
 - General Permits, and **click on** Small Wastewater Systems.

OR – Go directly to:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp, and under Item #1. Small wastewater facilities, **click on** the "LINK TO PDF".

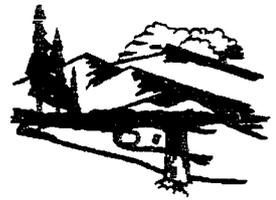
RLE/rm/9-0609

Enclosures: Certificate of Completion form
Conditions B & C – Bed Type Pipe Leachfield detail sheet

cc: IPS, Cheyenne
Jack E. Johnson, Johnson's Pump and Excavation, 31 South Gap Road,
Wheatland, Wyoming 82201
Marlin Johnson, Platte County Planner, P.O. Box 728, Wheatland, Wyoming 82201



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 31, 2009

Ben Doud
25528 Genesee Trail Road
Golden, CO 80401

RE: Basic Energy Small Commercial Wastewater System, Campbell County, Permit # 09-366
Location: Lot 7 Doud Industrial Park Subdivision; 345 LeTourneur Drive, Gillette

Dear Mr. Doud:

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 (WWQRR) 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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

This system is currently undersized based on the WWQRR standards. However, based on the submittal the system appears to be working at this time. If the system fails or requires modification, you will be required to install a system that meets the minimum standards outlined in the WWQRR. Please contact the Campbell County Building and Zoning Department at 307.682.1970 for compliance with any further county regulations. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.**

If you have any questions, please contact me at (307) 777.6941.

Sincerely,

Suzanne Pagorek
WDEQ/WQD

SP/rm/9-0666

cc: IPS, Cheyenne
WYDEQ Casper File
Keith Bowar, Campbell County, 500 S. Gillette Ave, Ste 1500, Gillette, WY 82716
Bret Wolz, PE, Falcon Consulting, PO Box 3943, Gillette, WY 82717

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**REVIEW OF PLANS & SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION**

PROJECT: Basic Energy Service Small Commercial Septic System

ENGINEER/ CONSULTANT: John Miller, Falcon Consulting Services, P.O. Box 3943,
Gillette, WY 82717

APPLICANT: Ben Doud, 25528 Genesee Trail Road, Golden, CO 80401

INSTALLER: Unknown

WATER QUALITY DIVISION APPLICATION NUMBER: 09-366

REVIEWING ENGINEER: Suzanne Pagorek 307.777.6941 or spagor@wyo.gov 

DATE OF REVIEW: July 9, 2009

ACTION: NOT AUTHORIZED FOR CONSTRUCTION. In accordance with Section 12(a), Chapter 3, Wyoming Water Quality Rules and Regulations (WWQRR), this application is **not granted**. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with Section 9 of Chapter 3 of the WWQRR. If the applicant fails to provide the requested information within one month, the incomplete application shall be returned.

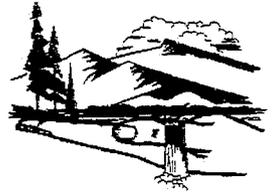
1. Please confirm the septic tank size and the number of compartments as the one described is not on the list of approved tanks in Wyoming.
2. Based on the previously issued permit, the septic system was designed for 10 employees and 54 linear feet of leachfield was installed. Since the number of employees is greater than when the septic system was approved, the system must be modified and sized for the new wastewater volume. Please submit a septic system design that is designed for at least 14 employees. This includes an onsite investigation to groundwater depth, bedrock depth, and one percolation test.
3. Please address the depth discrepancy in the leachfield design. The original permit states that there is 3 feet of cover which does not correlate with the proposal.
4. The site plan showing the proposed addition shows a different location for the leachfield than the site plan labeled IDD-Gillette Storage Building. Please address the differences.
5. The site plan must show the following:
 - a. The distance from the leachfield and septic tank to the water line.
 - b. The distance from the leachfield and septic tank to the west property line.
 - c. The excavation trench and percolation test hole.
 - d. Location of previous percolation test holes.

Please make the required corrections and return to Wyoming Department of Environmental Quality, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, Wyoming 82601

SP/rm/9-0590



Department of Environmental Quality



Dave Freudenthal, Governor

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John Corra, Director

NOTIFICATION OF COVERAGE

September 30, 2009

Ron Gordon
P.O. Box 338
Big Piney, WY 83113

RE: Wind Water Incorporated - Septic System - Permit Number 09 - 367R, NE ¼ Se ¼ , Section 3, T30N,R111W, Sublette County

Dear Mr. Gordon:

The above application for coverage under General Permits to Construct a sewage collection and treatment system consisting of a 1200 gallon septic tank, a leach field with 88 Quick 4 Standard Infiltrator Chambers, a manhole and about 150 linear feet (LF) of 6-inch PVC sewer main to serve an office, shop and 4 residential units in accordance with Chapter 3, Section 7 and Chapter 11, Section 9 and Part D 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. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

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

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

Sincerely,

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

PDF to Cheyenne

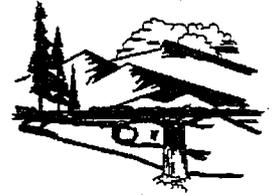
Brain Gray, P.E., WLC Engineering, Surveying & Planning, P.O. Box 1519, Pinedale, WY 82941
Keith Raney, Environmental Health, P.O. Box 722, Pinedale, WY 82941

Page 1 of 1





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

ARCHIVES

7/18/09

William Ambrose III
819 Road 8 1/2
Powell, WY 82435

RE: Re-Plat of Lot 8 of the Royal Subdivision. DEQ Permit #09-368, Park County, S1/2, NW1/4, Lot 75K, S9, T55N, R99W.

Dear Mr. Ambrose,

(This paragraph replaces the description from the originally issued permit.) This project consists of the installation of 50 linear feet of 6-inch and 211 linear feet of 4-inch ductile iron AWWA C900 class 150 treated water pipe. 245 linear feet of SDR-35 PVC sanitary sewer pipe will also be installed.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

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

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

<http://deq.state.wy.us/wqd/www/Permitting/Pages/...permits.asp>

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

Sincerely,

Hannes E. Stueckler
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne
Lynn Stutzman P.E., Engineering Associates, 131

Please replace the NOC previously sent in the Archive Copy with this corrected one.
Thanks,
Rafael

Lander Field Office • 510 Meadowview Drive • Lander, WY

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

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

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

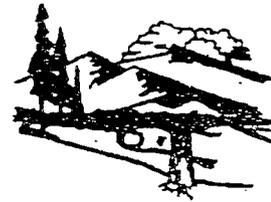
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 17, 2009

Daryl Rozeboom
Box 265
Hudson, South Dakota 57034

RE: Daryl Rozeboom Cabin Septic System,
Location: Section 19, T31N, R62W,

Application No. **09-369**
Niobrara County

Dear Mr. Rozeboom:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **3 bedroom** cabin 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 also directed to the **reporting requirements*** contained in the attached "CERTIFICATION of COMPLETION" form (especially item #2 which requires the submission of several photographs of different components of the leachfield construction before they are covered). Additionally, the following project specific conditions also apply:

- A. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.
- B. Polyethylene Septic Tank Installation Requirements - To ensure structural integrity, the **manufacturer's instructions** regarding bedding the tank and filling the tank with water during burial **must be followed during installation**. Additionally, immediately after clean-outs, the tank must be refilled with water according to the manufacturer's instructions to maintain structural integrity.

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The approval granted under this Notification Of Coverage and the General Permit shall expire on July 17, 2011. Please reference Application Number 09-369 in any future correspondence.

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

Sincerely,



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

- * to see the entire "General Permit" for Small Wastewater Facilities go to the DEQ Home page at: <http://deq.state.wy.us/> and **click on** Water Quality on the left side of the page, and then under WQD PROGRAMS,
 - **Click on** the Water & Wastewater Program bullet, and then
 - under Engineering & Technical Services scroll down to
 - General Permits, and **click on** Small Wastewater Systems.

OR – Go directly to:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp , and under Item #1. Small wastewater facilities, **click on** the "LINK TO PDF".

RLE/rm/9-0611

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne
Neil W. Holmes, Holmes Ranch Excavation, LLC, 362 McMaster Road,
Van Tassell, Wyoming 82242
Neil Holmes, Niobrara County Planning & Zoning Chairman, 363 McMaster Road,
Van Tassell, Wyoming 82242

CERTIFICATION of COMPLETION for

“ **NOTIFICATION of COVERAGE** ” under “ **GENERAL PERMIT** ” for
Small Wastewater Facilities in Accordance with Chapter 3 and Part D, Chapter 11, WQR&R

In accordance with the condition of Application Num. 09-369, located in Niobrara County, requiring submittal of this Certification of Completion form within sixty(60) days of completion of the authorized facility(s), I hereby certify the following to be accurate and correct statements of the current status of the project authorized by the above referenced permit number:

1. Construction of the permitted facility(s) was completed on _____ (DATE), and the facility(s) was placed into operation on _____ (DATE).

2. **Pictures of different components** of the facility at various stages of construction **shall be submitted**, including but not limited to the following (**each box must be checked**):
 - The septic tank in place with the top and inflow and outflow lines in view,
 - The dosing tank if applicable,
 - The distribution box (if applicable) and/or leachfield header piping layout,
 - A cross-section view of a trench showing the total depth and vertical distribution of leachfield construction materials (such as the washed rock, perforated pipe or chambers, filter paper, straw, fill, top soil, etc.), and

- Optional:
 - Any other pertinent or important construction details. (If Applicable)

3. Construction was completed in accordance with: (***this box MUST be checked***)
 - The facility(s) was constructed in compliance with all terms and conditions of the permit including the design report, plans & specifications, design data, or other pertinent information submitted in support of the application.

Facility Owner's Name (print or type)	Title (Owner, President, Manager, etc.)
Owner's Signature	Date

Mail to: Ronald L. Ewald, Consulting Engineer, DEQ/Water Quality Division, Herschler Bldg. 4-W, 122 West 25th Street, Cheyenne, WY 82002 (307) 777-6183



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 21, 2009

Bradley A. Brooks
Cheyenne Board of Public Utilities
P.O. Box 1469
Cheyenne WY 82001

RE: 8th Street Water Lining Project (O'Neil Ave. to Bent Ave.),
Application No. **09-370**, Laramie County

Dear Mr. Brooks:

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 or Existing Sewage Collection Systems described as lining approximately 400 feet of existing old 6" cast iron main with the Main Saver Polyethylene NSF61 approved class III structural liner for potable water systems, W. 8th Street between O'Neil & Bent Ave., T13N, R66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by July 21, 2011.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp Please reference Application No. **09-370** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/9-0628

cc: IPS, Cheyenne
Bradley A. Brooks, BOPU, P.O. Box 1469, Cheyenne, WY 82001

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WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-371R

National Forest Service-Big Piney District Office
No Public Water System Number Assigned

This permit hereby authorizes the applicant:

National Forest Service
Kniffy Hamilton
P.O. Box 1888
Jackson, WY 83001

to construct a public water system consisting of an existing water well upgraded with a pitless adapter, new well house and watermain along with a septic system to serve a new office and two existing bunkhouses according to the procedures and conditions of the application number 09-371R. The facility is located 2 miles south of Big Piney at W 1/2 NW 1/4 Section 8, T29N, R111W in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by September 28, 2011.

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

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

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

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

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

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

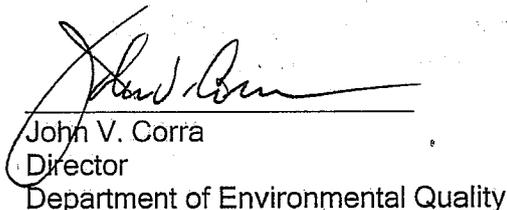
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadow View Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, 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

10/15/09
Date of Issuance

MDB/rm/9-0906

STATEMENT OF BASIS

1. Permit Number: 09-371R
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?
 - 1) No. The cross sectional drawing of the existing water well indicates that a lead packer was installed between the main casing and the screen casing. Chapter 12, Section 9 (b)(iii)(C) lists the various well casing materials of which lead is not included. A water sample taken July 16, 1984 indicates a lead level of 0.001 mg/l. The National Primary Drinking Water Standard for lead is 0.015 mg/l.
4. If a Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Not Required.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

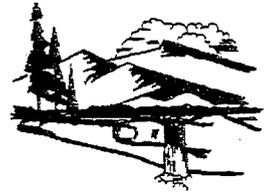
CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Mark D. Baron, P.E., mbaron@state.wy.us, Southwest District Engineer and completed on September 28, 2009. 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: Stephen Hayden, Bridger Teton National Forest, P.O. Box 1888, Jackson, WY 83001
Keith Raney, Environmental Health, P.O. Box 722, Pinedale, WY 82941



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 17, 2009

Mathew W. Harber
Haymaker Development, Inc.
P.O. Box 1902
Pinedale, WY 82941

RE: Phase 2- Bloomfield Water and Sewer 09-372R, E1/2 Sec 32, T34N, R109 W,
Sublette County

Dear Mathew Harber:

The above application for coverage under a General Permit to Construct new sewer and water main extensions within Pinedale consisting of 2104 linear feet of 10 inch and 194 feet 8 inch PVC sewer main and 1221 linear feet of 12 inch and 1686 feet DI water main with appurtenances to be constructed in accordance with Chapter 3, Section 7 Chapter 11, Section 9 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 facilities in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

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

Sincerely,

Perry Roberson
Project Engineer
Water Quality Division

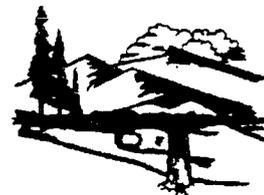
Mark Baron P.E.
Southwest District Engineer
Water Quality Division

PDF: Cheyenne
Mark Eatring, Rio Verde Engineering, PO Box 642 Pinedale, WY 82941





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

August 21, 2009

Zach Bears
5 Windmill Lane
Moorcroft, WY 82721

RE: Bears Small Residential Wastewater System, Crook County
Permit # 09-373

Dear Mr. Bears:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage, http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Additionally, the following permit conditions apply:

1. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307.283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Pagorek
WDEQ/WQD

SP/rm/9-0743

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, P.O. Box 848, Sundance, WY 82729
Vince Waters, NEWSOCO, 647 Mckean Road, Moorcroft, WY 82721

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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**REVIEW OF PLANS & SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION**

PROJECT: Bears Small Residential Septic System

ENGINEER/ CONSULTANT: Unknown

APPLICANT: Zach Bears, 5 Windmill Lane, Moorcroft, WY 82721

INSTALLER: Unknown

WATER QUALITY DIVISION APPLICATION NUMBER: 09-373

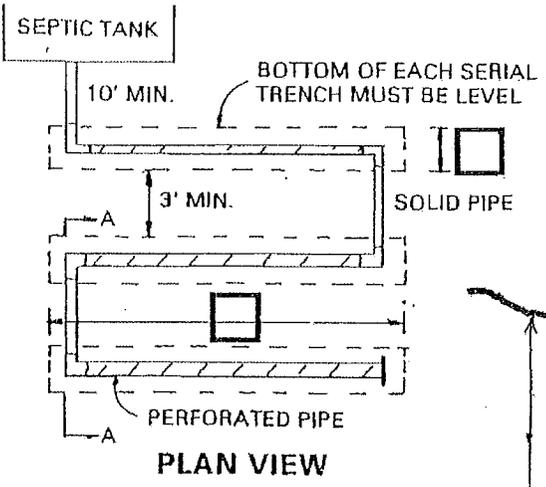
REVIEWING ENGINEER: Suzanne Pagorek 307.777.6941 or spagor@wyo.gov 

DATE OF REVIEW: July 16, 2009

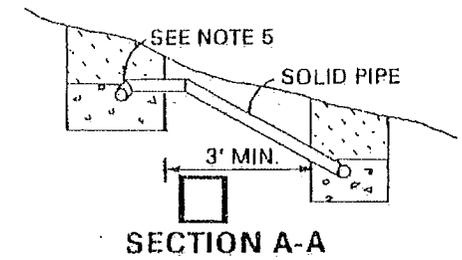
ACTION: **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 12(a), Chapter 3, Wyoming Water Quality Rules and Regulations (WWQRR), this application is **not granted**. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with Section 9 of Chapter 3 of the WWQRR. If the applicant fails to provide the requested information within one month, the incomplete application shall be returned.

1. The maximum ground slope in the area of the leachfield when the percolation rate is between 6-45mpi is 20%. The slope of the area of the proposed leachfield is 30%. You can either install the leachfield in a different area on your property or use a side hill installation. If a different location is proposed, please provide the slope of the area and if a side hill installation is used, please provide the completed worksheets which are enclosed for your convenience.
2. The design proposal is for a two trench pipe leachfield that is 198' long. DEQ recommends trenches to be limited to less than 100' to ensure proper infiltration and handling of wastewater. Please provide a revised leachfield detail sheet for at least a 4 trench leachfield.
3. The site plan must show the following:
 - a. The excavation trench and percolation test holes.

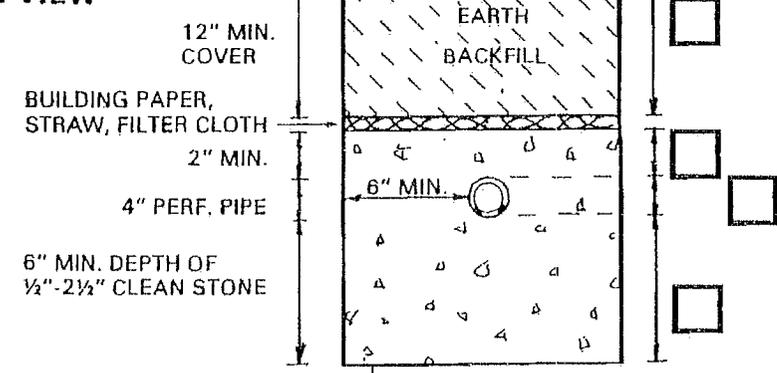
Please make the required corrections and return to Wyoming Department of Environmental Quality, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, Wyoming 82601



PLAN VIEW

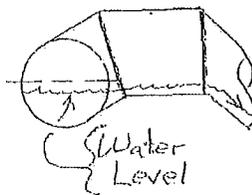


SECTION A-A



CROSS - SECTION

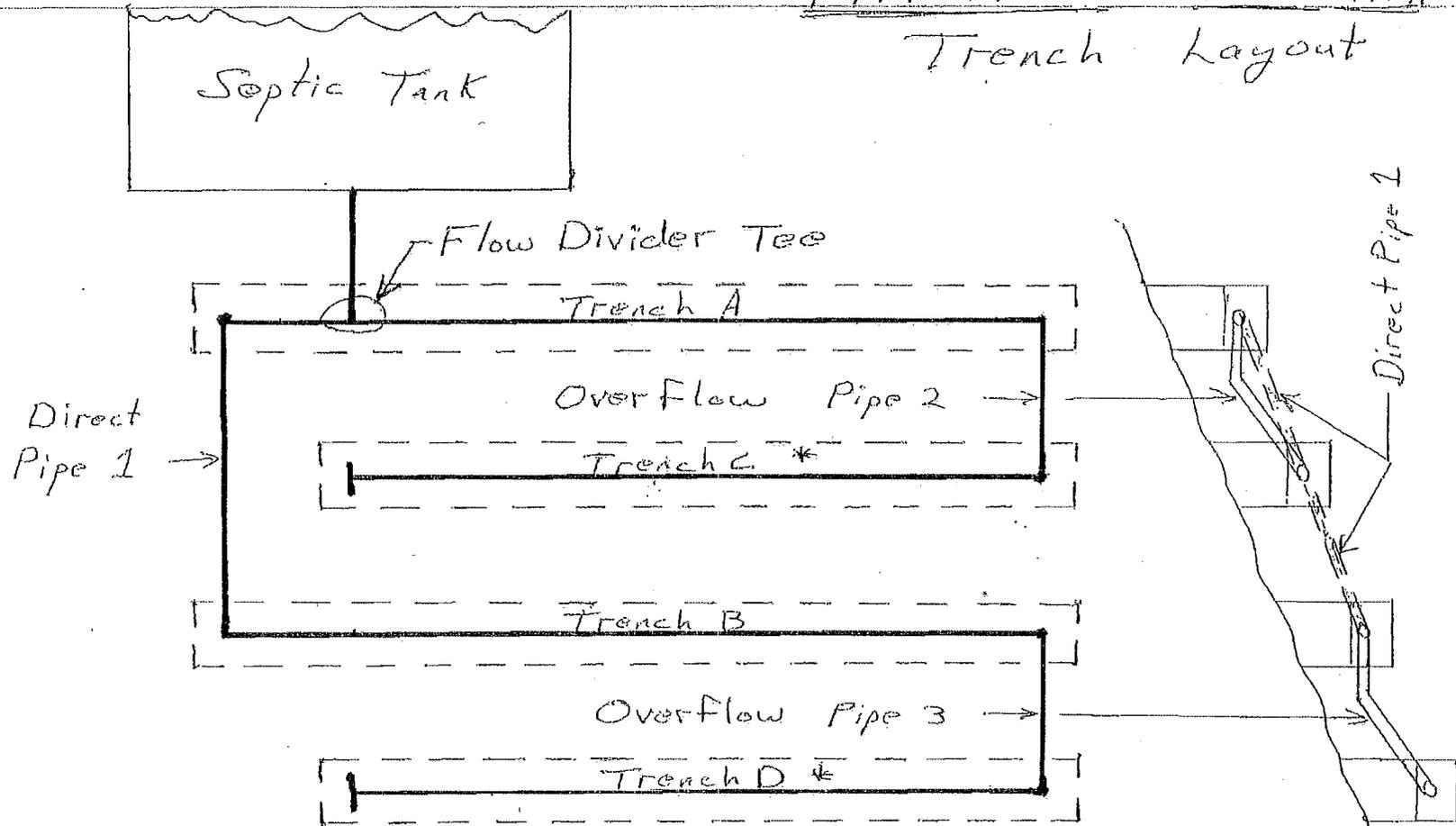
- General Notes**
1. This is a standard side hill type soil absorption field detail sheet. Please modify to meet your specific situation.
 2. The minimum infiltrative surface area (sum of the trench side walls and bottom below the invert of the distribution pipe) can be determined from Section D 1 of the Design Information Sheet.
 3. All plastic gravity perforated pipe must conform to ASTM Standard D2729.
 4. A minimum four foot separation shall be maintained between the bottom of the trench to the seasonal high groundwater level, bedrock, and clay layer.
 5. The overflow pipe between serial trench systems shall be set no higher than the midpoint of the upstream distribution pipe. The type shown is only one of many methods available.



**STANDARD SIDE HILL
TYPE SOIL ABSORPTION
SYSTEM DETAIL SHEET**

REVIEWED BY:
DATE OF AUTHORIZATION:

Alternate - Side Hill Trench Layout



* Note - Depending on the size of the leachfield Required, only Trenches A + B may be needed. The two overflow Trenches C + D should only be needed for larger Leachfields.



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

October 7, 2009

Charles Belgarde
7841 Wayzata Blvd Ste 111
Minneapolis, MN 55426

RE: Return of Application for the Aladdin Highland Ranch –Shower House and East Bathroom Residential Septic System, WDEQ #09-374 and #09-375; Crook County

Dear Mr. Belgarde:

The Wyoming Department of Environmental Quality (DEQ) received an application on July 15, 2009 for an as-built Permit to Construct for two small wastewater systems in Crook County for the proposed Aladdin Highland Ranch –Shower House and East Bathroom residential septic system. DEQ performed a review of the applications and sent a review to the above address on July 30, 2009. The review stated that if DEQ did not receive the information requested within **one** month, the incomplete application would be returned. As of today, October 7, 2009, DEQ has not received the required information.

Therefore, in accordance with Wyoming Department of Environmental Quality/Water Quality Rules and Regulations Chapter 3, Section 14 – Denial of a Permit or Coverage under a General Permit, DEQ is returning all of the application materials to you, as DEQ is unable to process your application without the required information. A blank copy of the design instructions is enclosed for your use.

You can resubmit the application at any time. It will be assigned a new DEQ tracking number and will be reviewed in accordance with Chapter 3 of the Wyoming Department of Environmental Quality/Water Quality Rules and Regulations.

If you have any questions, please contact me at (307) 777.6941 or spagor@wyo.gov

Sincerely,

Suzanne Engels
Suzanne Engels
WDEQ/WQD

SE/rm/9-0888

Enclosures: application materials

cc: WDEQ File (w/o encl)
IPS (w/o encl)
Tim Lyons, Crook County Growth and Development (w/o enclosures)

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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**REVIEW OF PLANS & SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION**

PROJECT: Aladdin Highlands Ranch Small Residential Septic Systems
East Bathroom Septic System and Shower House Septic System

ENGINEER/ CONSULTANT: None

APPLICANT: Charles Belgarde, 7841 Wayzata Blvd Ste 111, Minneapolis,
MN 55426

INSTALLER: Wayne Eaton, Eaton Construction, 933 Summit St, Belle
Fourche, SD 57717

WATER QUALITY DIVISION APPLICATION NUMBERS: 09-374 and 09-375

REVIEWING ENGINEER: Suzanne Pagorek 307.777.6941 or spagor@wyo.gov 

DATE OF REVIEW: July 30, 2009

ACTION: **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 12(a), Chapter 3, Wyoming Water Quality Rules and Regulations (WWQRR), this application is **not granted**. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with Section 9 of Chapter 3 of the WWQRR. If the applicant fails to provide the requested information within one month, the incomplete application shall be returned.

1. As required on the Wyoming Water Quality Application Form, please submit the State Engineers Well Permit number.
2. It appears that two different types of chambers were used between the two leachfields. Please identify which chamber (Infiltrator ARC 36 or the Infiltrator Standard) was used in each leachfield.
3. Please explain how the minimum infiltrative surface area of 600sf was determined. This was listed on page 5 of the design worksheets. This is determined using the percolation rate and the loading rate.
4. Please submit percolation test results from the area of each leachfield.
5. The test hole that was used to determine the depth to bedrock can also be used to determine the seasonally high groundwater level. What approximate date was this test hole dug and was there any water in it?
6. Please identify which structures on the property are connected to each leachfield.
7. Please provide the number of bedrooms in the cabin.

8. Please submit a detailed master site plan that shows the following:

- a. The location of both septic systems
- b. Distance to property lines
- c. Location of the RV water and sewer connections, the 2 shower houses, cabin,
- d. Location of the well and water lines
- e. Location of the access driveway and main road
- f. The distance from the septic tanks to the leachfields
- g. The distance from the east bathroom or the shower house to the leachfield
- h. The location of the replacement leachfield for each septic system and the required setback distances.
- i. Location of any surface water including irrigation ditches, creeks, and drainage ways.
- j. The location of each percolation test hole and excavation trench.

Please complete the appropriate documents and submit to Wyoming Department of Environmental Quality, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, Wyoming 82601

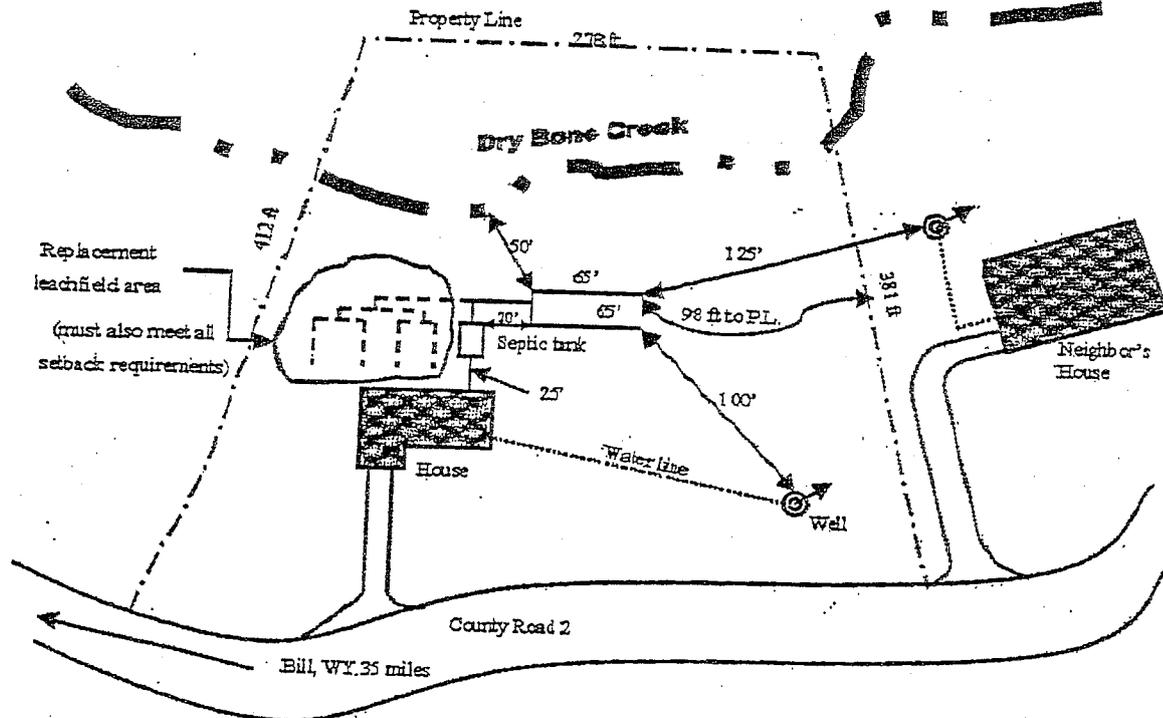
SP/rm/9-0664

SITE PLAN

Details that should be shown on a site plan:

1. The site plan shall show the location of property lines, all buildings, all wells within 200 feet, septic tank, leachfield, water lines, streams and surface water bodies.
2. The septic tanks shall have the following minimum separation distances:
 - a. 5 ft from any dwelling
 - b. 10 ft from adjoining property lines
 - c. 25 ft from potable water lines
 - d. 50 ft from any water well
 - e. 50 ft from any waterways
3. The leachfield shall have the following minimum separation distances:
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 - c. 10 ft from adjoining property lines
 - d. 25 ft from potable water lines
 - e. 50 ft from any waterways
 - f. 100 ft from any water well
4. An area shall be shown on the site plan for future replacement of the leachfield.

Every site plan should have a North arrow



Not to Scale

EXAMPLE



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

October 7, 2009

Charles Belgarde
7841 Wayzata Blvd Ste 111
Minneapolis, MN 55426

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If you have any questions, please contact me at (307) 777.6941 or spagor@wyo.gov

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/9-0888

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IPS (w/o encl)
Tim Lyons, Crook County Growth and Development (w/o enclosures)

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



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

PROJECT: Aladdin Highlands Ranch Small Residential Septic Systems
East Bathroom Septic System and Shower House Septic System

ENGINEER/CONSULTANT: None

APPLICANT: Charles Belgarde, 7841 Wayzata Blvd Ste 111, Minneapolis,
MN 55426

INSTALLER: Wayne Eaton, Eaton Construction, 933 Summit St, Belle
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REVIEWING ENGINEER: Suzanne Pagorek 307.777.6941 or spagor@wyo.gov 

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- i. Location of any surface water including irrigation ditches, creeks, and drainage ways.
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Please complete the appropriate documents and submit to Wyoming Department of Environmental Quality, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, Wyoming 82601

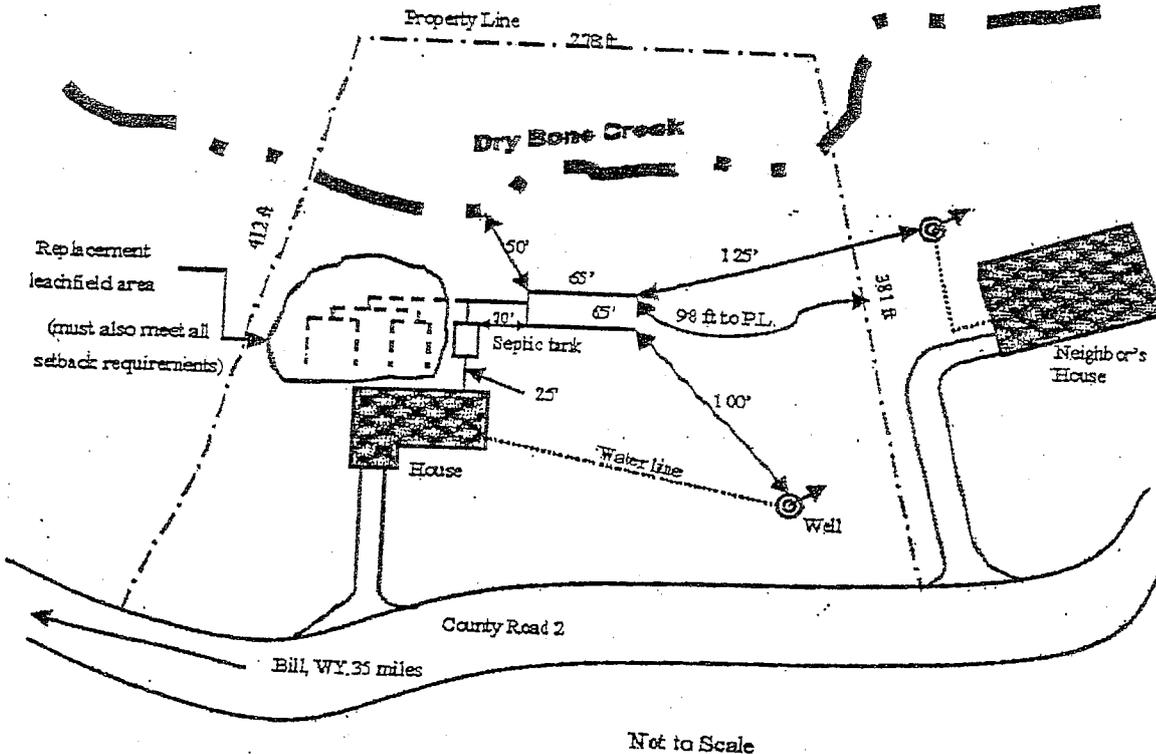
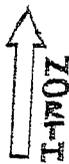
SP/rm/9-0664

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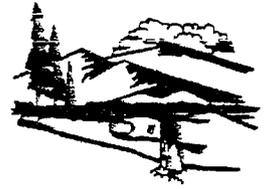
Every site plan should have a North arrow



EXAMPLE



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

July 30, 2009

Thunder Basin Coal Company, LLC.
Coal Creek Mine
P.O. Box 406
Wright, WY 82732
Attn: Ms. Monica Williams

Re: Thunder Basin Coal Company, Coal Creek Mine, Campbell County, Wyoming (09-377)

Dear Ms. Monica Williams,

Enclosed, please find an "As Built" Permit To Construct for monitoring and remediation activities completed in response to a diesel fuel spill which occurred during May 2007 at the above referenced facility. In addition, please find a Review conducted by the Wyoming Department of Environmental Quality (DEQ), Water Quality Division, Groundwater Pollution Control Program of the remediation and monitoring activities completed at the Coal Creek Mine facility in response to the May 2007 release.

Additional work required is described on page 10 of the Review and includes installation of additional monitoring wells to further delineate the extent of contamination of the existing diesel FPH and dissolved phase hydrocarbon plumes. After the plumes have been further delineated, additional investigative and remedial activities may be required.

As mentioned on the last paragraph of page 10 in the review, a Chapter 3 permit to construct application and accompanying workplan for the installation of additional monitoring wells shall be submitted to the DEQ Sheridan office by September 1, 2009.

If you have any questions about this review, please contact Brent Baumann or me at 307-673-9337.

Sincerely,

Don Fischer, PG #2852
North District Geologic Supervisor
Wyoming DEQ/Groundwater Section

Enclosure: GPC Review Comments

cc: Kevin Frederick, State Groundwater Section Manager, w/ enclosure



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

PERMIT NO. 09-377

Coal Creek Mine, Diesel Recovery System

This permit hereby authorizes the applicant:

Thunder Basin Coal Company, LLC
Coal Creek Mine
Attn.: Ms. Monica Williams
P.O. Box 406
Wright, WY 82732

to have installed a diesel recovery system (monitoring wells, recovery wells, de-watering wells) according to the procedures and conditions of the application number 09-377. The facility is located at the Coal Creek Mine facility in the northeast ¼ of Section 17, Township 46N, Range 70W, 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 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 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:

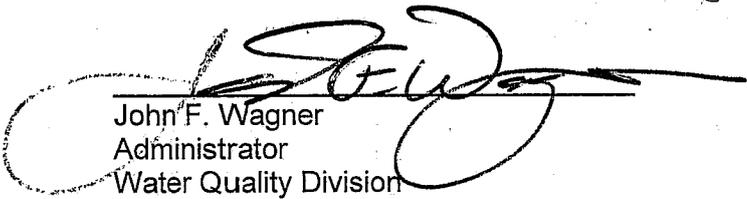
1 of 2: The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/Water Quality Division, Groundwater Section, 1866 South Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213, in accordance with the provisions of Section 11, Chapter 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 2: Monitoring and Reporting Requirements:

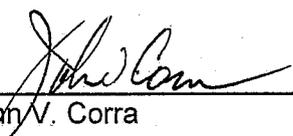
Monitoring and reporting of the groundwater shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water elevation in wells: MW#1, MW #5, DW#1, DW #2 and DW #3.
- Measurement of free phase hydrocarbons in wells: MW#1, MW #5, DW#1, DW #2 and DW #3.
- If free phase hydrocarbons are not present, analyses for Total Petroleum Hydrocarbons, diesel range organics in wells: MW#1, MW #5, DW#1, DW #2 and DW #3.
- Volume of hydrocarbons recovered in wells: DW# 4, DW#5, DW#6, and DW#7.
- Results of quarterly monitoring and sampling shall be submitted to the department by January 15th, April 15th, July 15th, and October 15th of each year.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division

7/22/09
Date of Issuance


John V. Corra
Director
Department of Environmental Quality

WDF/rm/9-0621



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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1866 SOUTH SHERIDAN AVENUE
Sheridan, WY 82801
307-673-9337

PROJECT: Investigation
FACILITY: Coal Creek Mine Diesel Spill
APPLICANT: Thunder Basin Coal Company, LLC.
Coal Creek Mine
P.O. Box 406
Wright, WY 82732
Attn: Ms. Monica Williams

CONSULTANT: N/A

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: **09-377**
 EXISTING NEW AS-BUILT

TITLE: As-built, Diesel Recovery System

PLANS SPECS PROPOSAL REPORT

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES

AN LOV, NOV OR OTHER ENFORCEMENT? NO YES

REVIEWING OFFICIAL: Don Fischer, District Geologic Supervisor, Groundwater Section

DATE OF THIS REVIEW: July 15, 2009

ACTION: As-Built Permit to Construct 09-377 authorized

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY

1.1 Site Description

The Coal Creek Mine is located approximately 25 miles south of Gillette, Wyoming in the NE1/4 Section 17/Township 46 North/Range 70 West (43.50363° North Latitude, -105.16554° West Longitude). Buildings and support facilities include an administration building, warehouse, maintenance shop, mechanical and electrical shop, change house, guard house and utility house. Production facilities include a hopper, primary crusher and dust collector, secondary crusher, train load out building, coal storage silos, coal boiler in utility building, above ground diesel fuel storage tanks and dikes. Sediment control ponds are also located on the property.

1.2 Site History

On May 6, 2007 Coal Creek Mine personnel discovered a leak in the 60-foot underground pipeline running from the above ground diesel storage tanks to the fueling island. The WDEQ was contacted on May 7, 2007. On May 8, 2007, Matheson Drilling was mobilized to the facility to install several wells for investigation and recovery purposes. On May 14, 2007 Mr. Craig Toal, WDEQ/WQD conducted a site visit to review the mine's diesel spill recovery plan.

Nine of thirteen wells were drilled in May 2007 during the initial investigation including: MW-1 through MW-4, and DW-1 through DW-5. Three additional wells were installed during August 2007: DW-6, DW-7 and MW-5. An additional well (DW-8) was installed during November 2008. Free product hydrocarbon (FPH) levels were measured in this well during the November and December 2008 monitoring events. However, this well was apparently abandoned sometime following the December 2008 monitoring event due to collapsing. Two additional monitoring wells, MW-6 and MW-7, were recently installed during April 2009 to determine if FPHs are present in groundwater near the original release site and 1000 feet (ft) west-northwest further downgradient from the release site.

Seven wells are utilized as monitoring wells: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6 and MW-7. Three wells (DW-1, DW-2 and DW-3) are used as dewatering wells. According to the *Coal Creek Mine Diesel Remediation Plan*, these wells were completed to create a cone of depression in the vicinity of the recovery wells. Four recovery wells were installed downgradient of the release site. These wells are identified as DW-4 through DW-7.

2.0 GEOLOGY

Near surface deposits in the vicinity of the Coal Creek Mine generally consist of Quaternary alluvial deposits of unconsolidated clay, silt and sand. Cross-sections of the area also indicate these silty to sandy finer grained near surface deposits are underlain by thin basal gravel deposits. The upper 1-2 feet (ft) of these near surface sediments are generally mapped as sheet wash alluvium and colluvium of the Fort Union Formation.

These near surface alluvial deposits are underlain by the Eocene age, Wasatch Formation. In the Powder River Basin, the Wasatch formation is composed primarily of interbedded sedimentary deposits of grayish brown sandstone, siltstone, claystone, coal stringers and scoria. The Wasatch formation has an average thickness of approximately 100 ft in the Coal Creek permit area.

Clinker (scoria) formed by the prehistoric burning of the Wyodak-Anderson coal seam east of the Powder River, caps a number of buttes and knobs northwest, west and south of Gillette, Wyoming (*Origin And Geomorphology Of Clinker In The Powder River Basin, Wyoming And Montana*, Donald A Coates and Edward L. Heffern). Scoria is present along the eastern and northern edges and in scattered pods within the Coal Creek permit area. A large pod of isolated scoria has also been identified and mapped along the southern edge of the Coal Creek Mine facilities.

Based on drill cutting descriptions provided by Coal Creek Mine, the scoria which underlies most of the mine facility, ranges from approximately 35 ft along the eastern edge of the mine facility to between 90 and 100 ft below ground surface (bgs) near the eastern edge of the mined out backfilled area. To the north of the mine facilities the scoria ranges from 35 to 75 ft bgs. According to drill logs, the scoria is generally underlain by deposits of sandy to silty clay grading to claystone and shale.

The Wasatch deposits are underlain by the Paleocene Fort Union Formation, which is generally comprised of non-marine sandstone, sandy or silty shale, carbonaceous shale, and coal. The formation has been divided into lower, middle and upper units. The upper unit or Tongue River Member contains the Wyodak-Anderson and Big George coals mentioned above.

3.0 Hydrogeology

3.1 Regional Hydrogeology

According to the "Coal Creek Mine Diesel Remediation Plan", March 2009, the regional groundwater flow direction is to the west. However, it is unclear whether or not this refers to the water bearing zone contained in the scoria or deeper water

bearing zones observed in the coal at the base of the Wasatch formation and upper units of the Fort Union formation.

The amount of hydraulic connection under natural conditions between the Wyodak-Anderson coalbed aquifer and scoria and sandstone lenses comprising aquifers in the overlying Wasatch and Fort Union formations is unclear. The Wyodak-Anderson coalbed aquifer is anisotropic; ground-water flow primarily occurs through fractures (cleats) in the coal bed. Flow direction in this aquifer may change where the coal beds split into other beds and is interbedded with other lithological units and where differences in the distribution and density of the fractures in the coal occurs (Martin and others, 1988).

Regional potentiometric surface maps indicate recharge to the coal bearing zones of the Wasatch and Fort Union formations may occur from outcrop and scoria areas to the east of the Coal Creek Mine permit area. Water bodies present in clinker deposits in the vicinity of the Coal Creek Mine may act as recharge media to surrounding overburden, coal, and alluvial units. The scoria deposits show a wide range of transmissivities, but for the most part are highly permeable. Groundwater appears to be unconfined throughout most of the Coal Creek Mine property, except in the northern portion of the site where water bearing units include both coal and scoria, which are overlain by clay.

3.2 Site Hydrogeology

Water level measurements have been recorded in the five monitoring wells, three dewatering wells and four product recovery wells since they were installed at the facility. According to water level data measured by Coal Creek Mine personnel, the depth to water ranges from 34 feet bgs in MW-3 along the northern portion of the facility, to 80 ft bgs, as measured in MW-5, near the southern boundary of the facility. However, due to the difference in measured depths to water in the north and southern portions of the Coal Creek Mine property, the water bearing sediments encountered in the southern portion of the property do not appear to be hydraulically connected to the water bearing sediments encountered in the northern portion of the site.

Based on drill logs supplied by Coal Creek Mine, the water bearing zone beneath the facility is located in scoria at an elevation of:

- 4631.5 ft in MW-6 on the east side of the Coal Creek Mine site near the diesel tank.
- 4621.5 ft in MW-7 approximately 1000 ft west-northwest of MW-6.
- 4599.1 ft in DW-5 approximately 1500 ft west of DW-6.

This represents a drop in groundwater elevation of 32.4 ft per 1500 ft or .022 feet per foot from east to west across the site. Most of the drop in elevation occurs

between MW-7 and DW-5 over a distance of 500 ft. This represents a gradient of .045 feet per foot. Based on these calculations, the groundwater gradient is twice as steep on the west side of the facility as it is across the eastern and middle portion of the facility.

Another factor affecting the hydrogeology along the western portion of the Coal Creek Mine facility is the contact zone between the scoria pod identified above and the backfill in the mined out area. It appears groundwater flow through the scoria beneath the Coal Creek Mine site is very rapid, similar to fracture flow through very porous media until contact with the backfilled mined out area. Based on observation and examination of the percentage of sand, silt and clay contained in the native materials used to backfill the mined out area, the re-mixed backfill material is predominantly composed of clay, with lesser amounts of silt, sand and gravels. Therefore the overall permeability of this backfill material will be considerably less than the scoria to the east.

In addition, the method of backfill emplacement will affect porosity and permeability of backfilled materials along the scoria/backfill contact zone in the western portion of the site. Backfill emplaced by dump trucks and shovels will segregate as it is dumped with coarser gravels and sands accumulating along the bottom edges of the dump piles. When the backfill material is graded with a caterpillar and "proof rolled" to obtain minimal compaction and a smooth and level surface, a great variation in compaction and porosity and permeability of the backfilled material is possible. Subsidence due to differential settlement along the contact zone of native materials and un-compacted backfilled materials is common along with zones of increased porosity and permeability.

According to the *Contamination Summary* of Section III, March 2009 Coal Creek Mine Diesel Remediation Plan, "*the western edge of the plume is contained by an area of backfill that contains abundant clay*". For this assumption to be accurate, the backfilled materials would need to be emplaced in equal lifts and compacted to the same value as the native, undisturbed (in situ) clayey soil materials. If the method of emplacement and compaction was not sufficient to obtain the compaction values observed in the native undisturbed clay material, it is possible that some groundwater is moving through the less compacted backfill into areas of segregated backfill. Furthermore, it is also probable that groundwater is migrating downward along the contact zone and intercepting sandstone, shale or coal contained in the upper unit of the Fort Union formation beneath the Wasatch.

In summary, the WDEQ suggests one or all of the following scenarios may be affecting groundwater flow beneath the Coal Creek Mine:

- Groundwater mounding may be occurring along the contact zone due to differences in porosity and permeability of scoria and the clayey backfill material.

- Groundwater may be migrating north and south laterally along the contact zone due to differences in porosity and permeability of scoria and the clayey backfill material.
- Groundwater may be migrating downward along the contact zone and intercepting sandstone, shale or coal at the base of the Wasatch formation.
- Some groundwater may be migrating westward through preferential pathways in the backfilled area as a result of segregation and minimal compaction of the backfill.

4.0 MONITORING & REMEDIATION

4.1 Monitoring Wells

Monthly monitoring at the five existing monitoring wells (MW-1, MW-2, MW-3, MW-4, MW-5) indicate free product hydrocarbons (FPH) have not been detected in groundwater in these wells. In addition, FPH have not been detected in MW-6 or MW-7, which were recently installed in April 2007 near the release site and 1000 ft downgradient from the release site. The approximate locations and distances from the release site are indicated below:

- Monitoring well MW-1 was installed approximately 3308 ft northwest of the release site.
- Monitoring wells MW-2, MW-3 and MW-4 were installed approximately 4100 ft northwest of the release site along the northern border of the property.
- Monitoring well MW-5 was installed approximately 1370 ft southwest of the release site.
- Monitoring well MW-6 was installed approximately 100 ft north of the diesel tank.
- Monitoring well MW-7 was installed approximately 1000 ft northwest of the diesel tank.

Since monitoring wells MW-2 through MW-4 are all located in excess of 3000 ft northwest of the release site and are cross gradient to measured groundwater flow, FPH would not be expected in these wells. However, FPHs have also never been detected in MW-5, which is located approximately 200 ft south of DW-6 along the southern portion of the site. Approximately 0.5 ft of FPHs have been measured in DW-6 since August 2007. This data appears to indicate the southern edge of the FPH plume is located between MW-5 and DW-6.

Since FPHs were not detected in MW-6 or MW-7 during April 2009 after they were installed, either the FPH plume has migrated further west and is impacting groundwater in the vicinity of DW-4, DW-8, DW-7 and DW-6 and beyond or the northern edge of the FPH plume is located south of MW-6 and MW-7.

4.2 Dewatering Wells

According to the *Coal Creek Mine Diesel Recovery Plan*, past monitoring of Recovery Wells DW-1 through DW-3 indicate FPHs are not present in these wells. Recovery wells DW-2 and DW-3 are located approximately 1300 ft north and approximately 1850 ft west of the release site. Unless groundwater is flowing in a general northwest direction, groundwater in the vicinity of these two cross gradient wells should not be impacted. However, a concentration of 2.2 mg/L for diesel range organics (TPH-dro) was detected in a groundwater sample collected from DW-1 on June 30, 2008. DW-1 is located less than 175 ft northeast of DW-4, which contains over 0.5 ft of FPH.

According to the Coal Creek report, during late September and early October 2008, water levels increased in the monitoring and recovery wells. During this same period, FPH levels were not measureable in DW-5 and DW-6. In response, Coal Creek Mine personnel pumped a total of 828,000 gallons of water from DW-1 into the SP-1 reservoir to lower the water table and reestablish a cone of depression.

As a result of pumping, water level data from late October 2008 for DW-5, DW-6 and DW-7 indicates water levels decreased by nearly four inches. Corresponding to dropping water levels, FPH levels were again measured in DW-5 and DW-6. FPH levels also increased in DW-7 by more than an inch.

4.3 Recovery Wells

Monthly monitoring data indicates FPH levels have averaged approximately 0.5 ft in wells DW-4, DW-5, DW-6, DW-7 and DW-8 since they were installed. DW-4 is located approximately 175 ft southwest of DW-1 and DW-5 is located approximately 650 ft southeast of DW-1, directly downgradient from the release site. DW-6 and DW-7 are located less than 100 ft east and southeast of DW-5. DW-8 is located approximately 1400 ft west and slightly north of the initial release site.

5.0 SUMMARY OF CONTAMINATION

5.1 Free Phase Hydrocarbons

Based on the discussions above, the northern edge of the FPH plume in the vicinity of DW-4 is located somewhere between DW-1 and DW-4. The southern edge of the FPH plume is located DW-6 and MW-5. The east and western edges of the FPH have not been determined. However, it is assumed the east edge of the FPH plume is located somewhere between the original release site and DW-5.

Coal Creek Mine personnel believe the plume is contained in an isolated scoria pod shown on the facility map. Furthermore, Coal Creek Mine personnel state, *"the western edge of the plume is contained by an area of backfill that contains abundant clay."* There is no evidence to substantiate this statement. The rate of migration of FPHs cannot be calculated since Coal Creek personnel do not know when the leak originated in the underground piping or the quantity of diesel fuel released into subsurface materials.

In addition, monitoring wells have not been drilled to collect water or soil samples in the *mined out backfilled area* to determine if contamination is migrating further west. However, since up to 0.5 ft of FPHs are contained in dewatering wells DW-4, DW-5, DW-6 and DW-7, it is likely the FPH plume has migrated further west and intersected the *backfilled mined out area*. If the "abundant clays" of the mined and backfilled area have prevented migration to the west, it is likely the FPH are either migrating vertically down at this contact or are pooling at the contact and migrating laterally north and/or south.

In addition, Coal Creek Mine personnel state, *"Monitoring wells both to the north and the south do not show any diesel, thus confirming the diesel plume is confined"*. As stated by WDEQ personnel in Section 3.1 above, *"Since monitoring wells MW2 through MW-5 are all located in excess of 3000 ft from the release site and are cross gradient to inferred groundwater flow, FPH would not be expected in these wells"*. Based on a lack of FPHs detected in MW-6, MW-7 and DW-1, it appears that the northern edge of the FPH plume is south of the wells. Furthermore, since FPHs have not been detected in MW-5, it appears the FPH diesel plume is not presently migrating to the south of DW-6. Based on this data, it appears that the FPH diesel plume is confined to some point north of MW-5.

In addition to the data presented above, examination of satellite imagery and topographic maps of the area, as well as site observation by WDEQ Land Quality personnel, the Coal Creek Mine facilities were constructed on top of a historic ephemeral drainage. The historic drainage runs west through the facility and then northwest through the rail loop. Fill material was apparently placed in the drainage feature to create building pads and level out the area.

Drainages in the vicinity of the Coal Creek Mine are typically characterized by deposits of alluvial materials including some gravel to cobble sized rocks. Generally speaking, these alluvial sediments have a hydraulic conductivity of approximately $10^{-1} - 10^{-3}$ cm/sec, in comparison to the sediments associated with the Wasatch and Fort Union formations, which may have lower hydraulic conductivity values in the range of $10^{-3} - 10^{-6}$ cm/sec. This difference in hydraulic conductivities may have influenced the FPH diesel plume and initiated preferential

migration northwest along the historic ephemeral drainage. Based on this information, FPHs may have impacted groundwater along the above mentioned channel.

5.2 Dissolved Phase Hydrocarbons

Coal Creek Mine personnel collected groundwater samples from MW-5 on May 20, 2008 and from DW-1 and DW-2 on June 30, 2008. These samples were analyzed for the presence of TPH-dro. These samples were collected in response to a request from the WDEQ in a letter dated April 15th, 2008, to assist in the delineation of a dissolved phase hydrocarbon plume. Analytical results indicate a concentration of 2.2 mg/L TPH-dro was present in a groundwater sample collected from DW-1. Concentrations of TPH-dro were not detected in samples collected from MW-5, located on the southern portion of the property, or in DW-2, which is located north of DW-1.

Based on analytical results of samples collected in these wells, the northern edge of the dissolved phase hydrocarbon plume appears to be located somewhere between DW-1 and DW-2. The southern edge of the dissolved phase hydrocarbon plume appears to be located between DW-6 and MW-5 (FPH are present in DW-6). The western and eastern edges of the dissolved phase hydrocarbon plume have not been determined. Monitoring wells have not been installed at the site to determine the lateral extent of the dissolved phase hydrocarbon plume in the east or west directions.

6.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

6.1 Sampling and Reporting Requirements:

Monitoring wells MW#1, MW #5, DW#1, DW #2 and DW #3 shall be sampled for free phase hydrocarbons on a quarterly basis. If free phase hydrocarbons are not found, the wells shall be analyzed for Total Petroleum Hydrocarbons, diesel range organics by EPA Method 8015 modified. The results of the sampling and analyses (product thickness and/or TPH-dro concentrations) shall be submitted to the DEQ, Sheridan office by January 15th, April 15th, July 15th and October 15th of each year until further notice.

Solar Sipper recovery pump units are currently installed in wells DW-4 through DW-7. The volume of hydrocarbons recovered from wells DW-4 through DW-7 shall be reported on the schedule stated above.

6.2 Additional Work Required:

In order to address the groundwater contamination at this facility, the WDEQ is requiring additional monitoring and investigative actions be implemented at this facility to further define the extent of contamination of the existing diesel FPH and dissolved phase hydrocarbon plumes. After the plumes have been delineated, Coal Creek Mine shall re-evaluate and modify remedial actions including free product removal and address remediation of contaminated soil and groundwater. Additional monitoring and remedial actions may include: installation of additional monitoring wells, contaminated soil removal, installation of an interception trench or trenches, installation of additional product recovery wells, and other remedial actions.

The WDEQ has identified the following areas which need to be addressed in order to more accurately delineate the existing free product plume and associated dissolved phase product plume:

- Installation of (1) to (3) additional monitoring wells downgradient (west) of DW-6, DW-7 and DW-4 to determine down gradient extent of hydrocarbon impacted groundwater and soil as a result of the FPH plume.
- Installation of at least (1) additional monitoring well northwest of the release site along the historic ephemeral channel which runs through the rail loop area.
- Installation of (1) additional monitoring well south of MW-6 along the diesel tank berm.
- Installation of at least (1) additional monitoring well between the release site and DW-5.

A new Wyoming Water Quality Rules and Regulations Chapter 3 Permit to Construct will be required for each type of system (e.g., interceptor trench, recovery wells, monitoring wells, etc.) prior to construction. An application form is available on the internet at the following link: <http://deq.state.wy.us/wqd/groundwater/index.asp>. A Permit to Construct is not required for soil removal; however, a written authorization from the WDEQ is required prior to the action.

A Chapter 3 permit to construct application and accompanying workplan shall for the installation of the additional monitoring wells shall be submitted to the DEQ, Sheridan office by September 1, 2009.

END OF REVIEW

WDF/rm/9-0621



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

November 10, 2009

Paul E. Grube, Superintendent
Sweetwater County School No. 1
3550 Foothill Blvd.
Rock Springs, WY 82901

RE: New Rock Springs Elementary School, Rock Springs, Wyoming 09-378R, Lat 41.6, Long 109.2711, Lot 1 of SCSD No.1 Subdivision, Phase 2, Sweetwater County

Dear Mr. Grube:

The above application for coverage under a General Permit to Construct sewer and water main modifications consisting of 125 linear feet of 6 inch PVC water main and 228 linear feet 6 inch PVC sewer line for service to a new Elementary School in Rock Springs to be constructed 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 permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

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

Sincerely,

Perry Roberson
Project Engineer
Water Quality Division

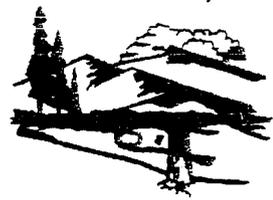
Mark Baron P.E.
Southwest District Engineer
Water Quality Division

PDF: Cheyenne
Todd M. Schultz, TSP, Inc., 600 Kansas City Street, Rapid City, SD 57701





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

July 29, 2009

Roy Pilcher
201 HWY 24
Devils Tower, WY 82714

RE: Pilcher Small Residential Wastewater System, Crook County
Location: SW ¼ NE ¼, S5, T52N, R65W; Permit # 09-379

Dear Mr. Pilcher:

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. The General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage,

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

Additionally, the following permit conditions apply:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater, both horizontal and vertical. This requirement includes both the pipeline from the house to the septic tank and from the septic tank to the lagoon.
2. Either a 6-inch diameter clean-out riser or a manway from each compartment of the septic tank must be extended to the ground surface from all septic tanks.

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307.283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.** If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Pagorek
WDEQ/WQD

SP/rm/9-0654

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, P.O. Box 848, Sundance, WY 82729

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
PERMIT TO CONSTRUCT

PERMIT NO. 09-380

REFERENCE PERMIT NO. n/a

Cole Storage Tank Replacement Project

This permit hereby authorizes the applicant:

City of Sundance
P.O. Box 542
Sundance, WY 82729

to construct, install or modify the Cole Storage Tank Replacement 2009, according to the procedures and conditions of the application number **09-380**. The facility is located in Crook County, WY, in Section 31, Township 52 North, and Range 62 West. All construction, installation, or modification allowed by this permit shall be completed by **December 31, 2011**.

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 3

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

2 of 3

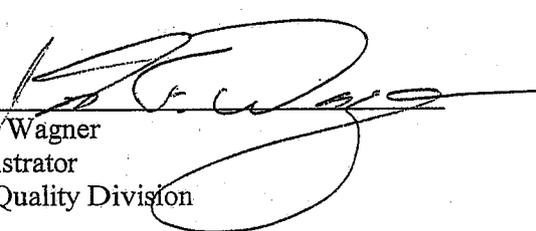
Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate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

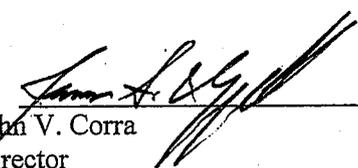
- a. Date that construction of the facility was completed; and
- b. Date that the facility was placed in operation; and
- c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
- d. Certification the facility was completed with changes or modifications.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

3 of 3

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

9-14-09
Date of Issuance

KLF/rm/9-0792

cc: Kenneth Rathbun, P.E., Bearlodge Ltd., Inc., P.O. Box 130, Sundance, WY 82729

STATEMENT OF BASIS

1. Permit Number: **09-380**
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, P.E., and completed on September 9, 2009. 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

July 21, 2009

David and Dawn Cardinal
32 Cottonwood
Glenrock, Wyoming 82637

RE: Cardinal Residential Septic System, Application No. **09-381**
Location: Section 33, T34N, R75W, Converse County
Lot 69, Arrow Head Park 2 Subdivision
Latitude - 42° 52' 6.81" / Longitude - 105° 51' 24.03"

Dear Mr. and Mrs. Cardinal:

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 conditions listed below, and the materials submitted in your application package. Your attention is also directed to the **reporting requirements*** contained in the attached "CERTIFICATION of COMPLETION" form (especially item #2 which requires the submission of several photographs of different components of the leachfield construction before they are covered). Additionally, the following project specific conditions also apply:

- A. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the septic tank** must be extended to the ground surface.
- B. Polyethylene Septic Tank Installation Requirements - To ensure structural integrity, the **manufacturer's instructions** regarding bedding the tank and filling the tank with water during burial **must be followed during installation**. Additionally, immediately after clean-outs, the tank must be refilled with water according to the manufacturer's instructions to maintain structural integrity.
- C. Mounding Required Over Trenches - because this septic system and leachfield is within the 100 year flood plain of the North Platte River, the leach trenches shall be mounded over. The **mounding shall be 6 to 8 inches above the natural ground**

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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surface at the centerline of the trench, and the **mound footprint** (surface area of ground covered by the mound from edge to edge) **shall extend at least 1 foot beyond the trench sidewalls** on both sides. This mounding will help to prevent excessive surface flood water from seeping into the trenches when a flood occurs.

- D. Inspection Required - The installation **shall be inspected by the Converse County Office of Special Projects** before the final cover is placed over the construction. To schedule an inspection call Ron Lambert at (307) 358-2277 at least 48 hours before the inspection is needed. A copy of the approved inspection report shall be included with the completed "CERTIFICATION of COMPLETION" form required above at the end of the first paragraph. Please be aware that the Converse County Office of Special Projects charges a \$125.00 inspection fee.

The approval granted under this Notification Of Coverage and the General Permit shall expire on July 20, 2011. Please reference Application Number 09-381 in any future correspondence.

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

Sincerely,



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

- * to see the entire "General Permit" for Small Wastewater Facilities go to the DEQ Home page at: <http://deq.state.wy.us/> and **click on Water Quality** on the left side of the page, and then under WQD PROGRAMS,
- **Click on the Water & Wastewater Program** bullet, and then
 - under Engineering & Technical Services scroll down to
 - General Permits, and **click on Small Wastewater Systems**.

OR – Go directly to:

http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp , and under Item #1. Small wastewater facilities, **click on** the "LINK TO PDF".

RLE/rm/9-0620

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne
Holly Richardson, Converse County Deputy Clerk, Office of Special Projects,
107 North 5th Street, Suite 114, Douglas, Wyoming 82633

CERTIFICATION of COMPLETION for

“ **NOTIFICATION of COVERAGE** ” under “ GENERAL PERMIT ” for
Small Wastewater Facilities in Accordance with Chapter 3 and Part D, Chapter 11, WQR&R

In accordance with the condition of Application Num. 09-381, located in Converse County, requiring submittal of this Certification of Completion form within sixty(60) days of completion of the authorized facility(s), I hereby certify the following to be accurate and correct statements of the current status of the project authorized by the above referenced permit number:

1. Construction of the permitted facility(s) was completed on _____ (DATE), and the facility(s) was placed into operation on _____ (DATE).

2. **Pictures of different components** of the facility at various stages of construction **shall be submitted**, including but not limited to the following (**each box must be checked**):
 - The septic tank in place with the top and inflow and outflow lines in view,
 - The dosing tank if applicable,
 - The distribution box (if applicable) and/or leachfield header piping layout,
 - A cross-section view of a trench showing the total depth and vertical distribution of leachfield construction materials (such as the washed rock, perforated pipe or chambers, filter paper, straw, fill, top soil, etc.), and

Optional:

 - Any other pertinent or important construction details. (If Applicable)

3. Construction was completed in accordance with: (***this box MUST be checked***)
 - The facility(s) was constructed in compliance with all terms and conditions of the permit including the design report, plans & specifications, design data, or other pertinent information submitted in support of the application.

Facility Owner's Name (print or type)	Title (Owner, President, Manager, etc.)
----------------------------------------------	------------------------------------------------

Owner's Signature	Date
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Mail to: Ronald L. Ewald, Consulting Engineer, DEQ/Water Quality Division, Herschler Bldg. 4-W, 122 West 25th Street, Cheyenne, WY 82002 (307) 777-6183

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-382

Re-Drill of City of Gillette Well S-9
Fort Union Well Replacement Project 07EN49

This permit hereby authorizes the applicant:

City of Gillette
P.O. Box 3003
Gillette, Wyoming 82717-3003

to re-drill, construct, develop, test, and plumb the City of Gillette, Well S-9, according to the procedures and conditions of the application number 09-382. The project is located in southwest quarter of the northeast quarter, Section 21, Township 50 North, Range 72 West, in the county of Campbell, in the State of Wyoming. The facility is located within the incorporated boundaries of Gillette, Wyoming, in the northwest portion of the city. 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 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 certificate of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Dates that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer, if appropriate, is required. All modifications or deviations from the authorized plans must be highlighted.
 - e. Submit the following information with the Certificate of Completion:
 - 1) As-built construction documents; and
 - 2) All logs including driller/geologist logs, geophysical logs, and bond logs; and
 - 3) A plumbness/alignment test; and
 - 4) An aquifer test that meets the requirements of DEQ regulations of a constant rate (minimum 1.5 x design rate) for 24 hours, with drawdown and recovery records and aquifer/hydraulic properties; and
 - 5) A copy of the water quality analytical testing for the required constituents and disinfection information; and
 - 6) Plans and specifications for equipping the well (including pump specifications and curves); and
 - 7) Any other applicable information/documentation.
- 3 of 5 Disinfection, in accordance with Chapter 12, Section 9(b)(A)(II), Wyoming Water Quality Rules and Regulations, shall be performed.

4 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 Certificated of Completion.

5 of 5 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

7/30/09
Date of Issuance

JDL/rm/9-0656

cc: WDEQ Casper Field Office

STATEMENT OF BASIS

1. Permit Number: 09-382
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.

Facility will have a variance of Section 9 (b) (iii) (c) (IV), lightweight cement slurry. The lightweight cement slurry will meet Wyoming Oil and Gas Commission rules Section 22(a)(ii).
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 July 17, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-383

Re-Drill of City of Gillette Well S-17
Fort Union Well Replacement Project 07EN49

This permit hereby authorizes the applicant:

City of Gillette
P.O. Box 3003
Gillette, Wyoming 82717-3003

to re-drill, construct, develop, test, and plumb the City of Gillette, Well S-17, according to the procedures and conditions of the application number 09-383. The project is located in northeast quarter of the southeast quarter, Section 22, Township 50 North, Range 72 West, in the county of Campbell, in the State of Wyoming. The facility is located within the incorporated boundaries of Gillette, Wyoming, in the northwest portion of the city. 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.

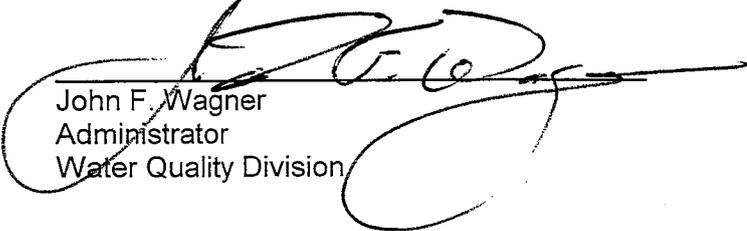
The permittee shall construct and operated the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 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 certificate of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Dates that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer, if appropriate, is required. All modifications or deviations from the authorized plans must be highlighted.
 - e. Submit the following information with the Certificate of Completion:
 - 1) As-built construction documents; and
 - 2) All logs including driller/geologist logs, geophysical logs, and bond logs; and
 - 3) A plumbness/alignment test; and
 - 4) An aquifer test that meets the requirements of DEQ regulations of a constant rate (minimum 1.5 x design rate) for 24 hours, with drawdown and recovery records and aquifer/hydraulic properties; and
 - 5) A copy of the water quality analytical testing for the required constituents and disinfection information; and
 - 6) Plans and specifications for equipping the well (including pump specifications and curves); and
 - 7) Any other applicable information/documentation.
- 3 of 5 Disinfection, in accordance with Chapter 12, Section 9(b)(A)(II), Wyoming Water Quality Rules and Regulations, shall be performed.

- 4 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 Certificated of Completion.
- 5 of 5 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

7/30/09
Date of Issuance

JDL/rm/9-0657

cc: WDEQ Casper Field Office

STATEMENT OF BASIS

1. Permit Number: 09-383
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.

Facility will have a variance of Section 9 (b) (iii) (c) (IV), lightweight cement slurry. The lightweight cement slurry will meet Wyoming Oil and Gas Commission rules Section 22(a)(ii).
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 July 17, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-384

Re-Drill of City of Gillette Well S-18
Fort Union Well Replacement Project 07EN49

This permit hereby authorizes the applicant:

City of Gillette
P.O. Box 3003
Gillette, Wyoming 82717-3003

to re-drill, construct, develop, test, and plumb the City of Gillette, Well S-18, according to the procedures and conditions of the application number 09-384. The project is located in southwest quarter of the southeast quarter, Section 33, Township 50 North, Range 72 West, in the county of Campbell, in the State of Wyoming. The facility is located within the incorporated boundaries of Gillette, Wyoming, in the northwest portion of the city. 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.

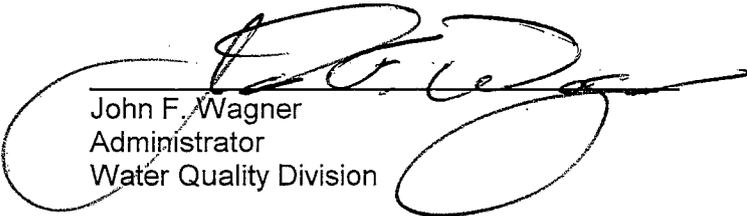
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 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 certificate of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Dates that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer, if appropriate, is required. All modifications or deviations from the authorized plans must be highlighted.
 - e. Submit the following information with the Certificate of Completion:
 - 1) As-built construction documents; and
 - 2) All logs including driller/geologist logs, geophysical logs, and bond logs; and
 - 3) A plumbness/alignment test; and
 - 4) An aquifer test that meets the requirements of DEQ regulations of a constant rate (minimum 1.5 x design rate) for 24 hours, with drawdown and recovery records and aquifer/hydraulic properties; and
 - 5) A copy of the water quality analytical testing for the required constituents and disinfection information; and
 - 6) Plans and specifications for equipping the well (including pump specifications and curves); and
 - 7) Any other applicable information/documentation.
- 3 of 5 Disinfection, in accordance with Chapter 12, Section 9(b)(A)(II), Wyoming Water Quality Rules and Regulations, shall be performed.

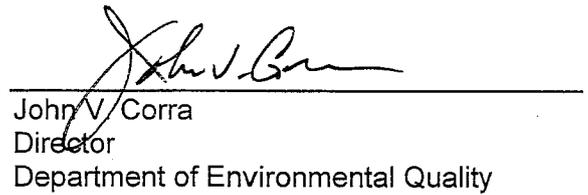
4 of 5 The applicant will perform yield and drawdown tests in accordance with Chapter 12, Section 9(b)(ii). Results of these tests are to be provided with the Certificated of Completion.

5 of 5 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

7/30/09
Date of Issuance

JDL/rm/9-0658

cc: WDEQ Casper Field Office

STATEMENT OF BASIS

1. Permit Number: 09-384
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.

Facility will have a variance of Section 9 (b) (iii) (c) (IV), lightweight cement slurry. The lightweight cement slurry will meet Wyoming Oil and Gas Commission rules Section 22(a)(ii).

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 July 17, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-385

Re-Drill of City of Gillette Well S-19
Fort Union Well Replacement Project 07EN49

This permit hereby authorizes the applicant:

City of Gillette
P.O. Box 3003
Gillette, Wyoming 82717-3003

to re-drill, construct, develop, test, and plumb the City of Gillette, Well S-19, according to the procedures and conditions of the application number 09-385. The project is located in southwest quarter of the northeast quarter, Section 33, Township 50 North, Range 72 West, in the county of Campbell, in the State of Wyoming. The facility is located within the incorporated boundaries of Gillette, Wyoming, in the northwest portion of the city. 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:

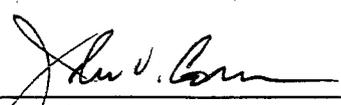
- 1 of 5 The applicant will provide immediate oral or written notice to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY 82601, Phone 307-473-3465, Fax 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations 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 certificate of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Dates that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer, if appropriate, is required. All modifications or deviations from the authorized plans must be highlighted.
 - e. Submit the following information with the Certificate of Completion:
 - 1) As-built construction documents; and
 - 2) All logs including driller/geologist logs, geophysical logs, and bond logs; and
 - 3) A plumbness/alignment test; and
 - 4) An aquifer test that meets the requirements of DEQ regulations of a constant rate (minimum 1.5 x design rate) for 24 hours, with drawdown and recovery records and aquifer/hydraulic properties; and
 - 5) A copy of the water quality analytical testing for the required constituents and disinfection information; and
 - 6) Plans and specifications for equipping the well (including pump specifications and curves); and
 - 7) Any other applicable information/documentation.
- 3 of 5 Disinfection, in accordance with Chapter 12, Section 9(b)(A)(II), Wyoming Water Quality Rules and Regulations, shall be performed.

- 4 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 Certificated of Completion.
- 5 of 5 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

7/30/09
Date of Issuance

JDL/rm/9-0659

cc: WDEQ Casper Field Office

STATEMENT OF BASIS

1. Permit Number: 09-385
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.

Facility will have a variance of Section 9 (b) (iii) (c) (IV), lightweight cement slurry. The lightweight cement slurry will meet Wyoming Oil and Gas Commission rules Section 22(a)(ii).
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 July 17, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-386

Re-Drill of City of Gillette Well S-27
Fort Union Well Replacement Project 07EN49

This permit hereby authorizes the applicant:

City of Gillette
P.O. Box 3003
Gillette, Wyoming 82717-3003

to re-drill, construct, develop, test, and plumb the City of Gillette, Well S-27, according to the procedures and conditions of the application number 09-386. The project is located in southwest quarter of the southeast quarter, Section 32, Township 50 North, Range 72 West, in the county of Campbell, in the State of Wyoming. The facility is located within the incorporated boundaries of Gillette, Wyoming, in the northwest portion of the city. 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.

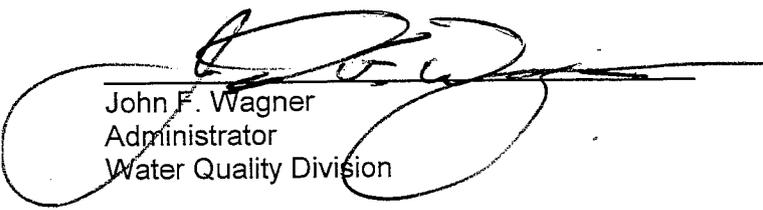
The permittee shall construct and operated the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

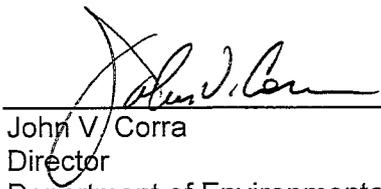
- 1 of 5 The applicant will provide immediate oral or written notice to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY 82601, Phone 307-473-3465, Fax 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations 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 certificate of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Dates that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer, if appropriate, is required. All modifications or deviations from the authorized plans must be highlighted.
 - e. Submit the following information with the Certificate of Completion:
 - 1) As-built construction documents; and
 - 2) All logs including driller/geologist logs, geophysical logs, and bond logs; and
 - 3) A plumbness/alignment test; and
 - 4) An aquifer test that meets the requirements of DEQ regulations of a constant rate (minimum 1.5 x design rate) for 24 hours, with drawdown and recovery records and aquifer/hydraulic properties; and
 - 5) A copy of the water quality analytical testing for the required constituents and disinfection information; and
 - 6) Plans and specifications for equipping the well (including pump specifications and curves); and
 - 7) Any other applicable information/documentation.
- 3 of 5 Disinfection, in accordance with Chapter 12, Section 9(b)(A)(II), Wyoming Water Quality Rules and Regulations, shall be performed.

- 4 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 Certificated of Completion.
- 5 of 5 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

7/30/89
Date of Issuance

JDL/rm/9-0660

cc: WDEQ Casper Field Office

STATEMENT OF BASIS

1. Permit Number: 09-386
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.

Facility will have a variance of Section 9 (b) (iii) (c) (IV), lightweight cement slurry. The lightweight cement slurry will meet Wyoming Oil and Gas Commission rules Section 22(a)(ii).
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 July 17, 2009. 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

August 24, 2009

City of Torrington
Robert Juve, City Engineer
2042 West A Street
Torrington, WY 82240

RE: West C Street and West 15th Ave. CDBG Sanitary Sewer And Water Main Rehab. Project
Application No. **09-387**, Goshen County

Dear Mr. Juve:

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 or Existing Sewage Collection Systems described as installation of approximately 1800 feet of 8 inch PVC water main, six manholes and installation of approximately 1700 feet of 8 inch PVC sewer main, SE ¼ Section 9, T24N R 61W; Goshen 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 24, 2011.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **09-387** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/9-0748

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Ed Nowak, Camp Creek Engineering, 410 E. Grand Ave., Suite 205, Laramie, WY 82070

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
PERMIT TO CONSTRUCT

PERMIT NO. 09-388

LARAMIE WATER TREATMENT PLANT- BACKWASH WATER REUSE
PWS WY5600029

This permit hereby authorizes the applicant:

City of Laramie
P.O. Box C
Laramie, WY 82073

to construct, install or modify an installation of pumping facilities to recycle backwash water at the Laramie Water Treatment Plant according to the procedures and conditions of the application number 09-388. The facility is located in SW ¼ Section 23 T14N R76W; Albany County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed July 24, 2011.

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

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

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

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

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

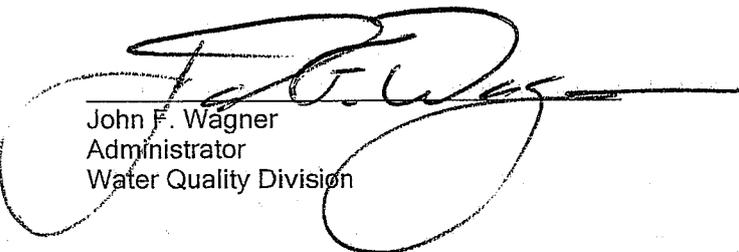
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

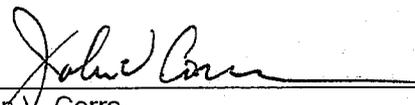
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-5973, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 3 A draft operation and maintenance manual for the membrane plant and pretreatment of the Water Treatment Plant must be submitted at 50 percent completion of construction to the Southeast District Engineer of the Water Quality Division for approval. Approval of the final operation and maintenance manual is required prior to completion of construction.
- 4 Jar testing and evaluation of the recycle process will be conducted periodically to ensure that sufficient coagulant is being added. In addition, notify the EPA in writing immediately prior to start of recycle process.
- 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John Y. Corra
Director
Department of Environmental Quality

Date of Issuance _____

8/25/09

RRC/rm/9-0739

STATEMENT OF BASIS

1. Permit Number: 09-388
2. This application was reviewed for compliance with the applicable regulations ;
Chapters 3, 12
3. Does the permit comply with all applicable regulations identified above?
Yes
4. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 was not required.
Public water supplies are exempted from review by Chapter 3, Section 17.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Richard Cripe, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on August 21, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-389

Teton Village Water & Sewer District Well #3 Drilling & Development
PWS #WY5600218

This permit hereby authorizes the applicant:

Richard A McDowall, Chairman
Teton Village Water & Sewer District
P.O. Box 586
Teton Village, WY 83025

to drill, construct, develop and test Teton Village Water & Sewer District Well #4; according to the procedures and conditions of the application number 09-389. The facility is east and down gradient from Teton Village and will be about 400 feet west, southwest of TVW&SD Well #3. The new well is within NW ¼, SW ¼, Section 19, T52N, R116W in the county of Teton, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 1, 2011.

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.

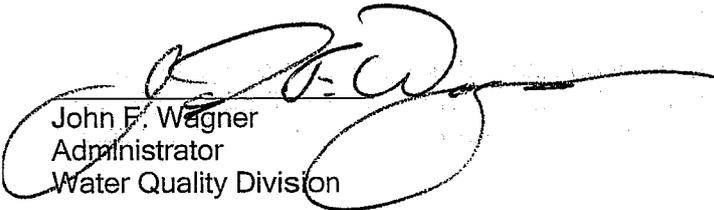
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not

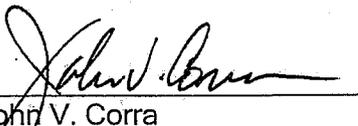
relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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 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.
- 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

8/14/09
Date of Issuance

JSB/rm/9-0687

STATEMENT OF BASIS

1. Permit Number: 09-389
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes. However, subsequent plans and specifications must be submitted for the equipping of the well and other construction such as installation of discharge piping, construction of a well house, disinfection, etc.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water supply wells are exempted from review by Chapter 3, Section 17
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

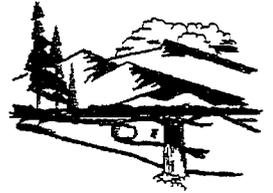
The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, james.brough@wyo.gov, Northwest District Engineer and completed on August 6, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

cc: Robert Norton, P.E., Nelson Engineering, P.O. Box 1599, Jackson, WY 83001
Kevin Frank, DEQ Casper Office



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 C. ... Director

NOTIFICATION OF COVERAGE

August 12, 2009

Robin Rhodes
Bear River Regional Joint Powers Board
81 Elk Drive
Bear River, WY 82930

RE: Bear River Regional Joint Powers Board - Waterline Extension - Permit Number 09-390R, WYO Hwy 89 Milepost 3.31 to 4.27, Section 6, T15N, R120W, Section 31, T16N, R120W, Uinta County

Dear Mr. Rhodes:

The above application for coverage under General Permit to Construct the extension of a public water supply distribution system consisting of about 5600 linear feet (LF) of 8-inch PVC water main in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

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

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

Sincerely,

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

PDF to Cheyenne
David Kennington, P.E., Sunrise Engineering, P.O. Box 609, Afton, WY 83110



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-391R

PacifiCorp Naughton - Units 1&2 - Flue Gas Desulfurization System Project
PWS # WY5600814

This permit hereby authorizes the applicant:

Richard Goff
PacifiCorp Energy
1407 W. North Temple, Suite 210
Salt Lake City, UT 84116

to construct a new flue gas desulfurization (FGD) system including a building and associated flues, guardhouse, sewage lift station and force main, modifications to water main, ash lines, 4 inch HDPE FGD transmission line and appurtances according to the procedures and conditions of the application number 09-391R. The facility is located at the PacifiCorp Naughton facility site four miles southwest of Kemmerer, Lat. 41.7572, Lon 110.5986 in the county of Lincoln, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by August 28, 2014.

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

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

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

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

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

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

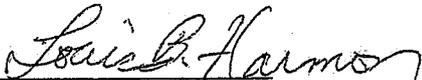
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit.

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

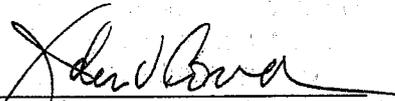
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadow View Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, 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 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

28 Aug 2009
Date of Issuance

PDR/rm/9-0766

STATEMENT OF BASIS

1. Permit Number: 09-391R
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 a Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Not required.
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Perry Roberson and approved by Mark D. Baron, P.E., mbaron@wyo.gov, Southwest District Engineer and completed on August 28, 2009. 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: Thomas R. Payne, Louis Perry & Associates, Inc., 165 Smokerise Drive, Wadsworth, OH 44281

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-392

Teton Village Water & Sewer District Well #3 Drilling & Development
PWS #WY5600177

This permit hereby authorizes the applicant:

Mark Harrison, Mayor
Town of Dubois
P.O. Box 555
Dubois, WY 82513-0555

to install approximately 280 linear feet of 10-inch PVC waterline, to be connected to existing waterlines; to complete construction of the Town of Dubois Well #11, and to construct a wellhead treatment system Well #11; according to the procedures and conditions of the application number 09-392. The facility is on the Northwest end of town, located about 30 feet from Well #8. The new well is located at Latitude 43.5486, Long 109.5553 in the county of Fremont, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 1, 2014.

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

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

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

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

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

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

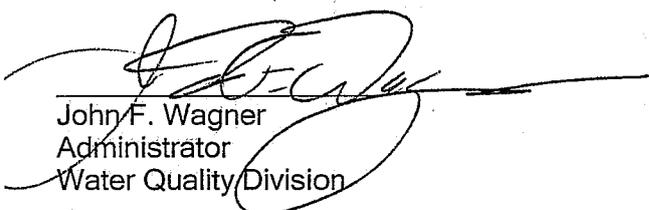
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not

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

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

- 1 of 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 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.
- 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

7/3/09
Date of Issuance

HES/rm/9-0661

STATEMENT OF BASIS

1. Permit Number: 09-392
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water supply wells are exempted from review by Chapter 3, Section 17
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

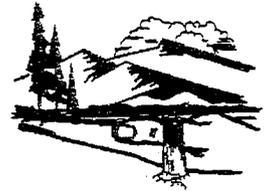
CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Hannes Stueckler, Assistant Northwest District Engineer and completed on July 29, 2009. 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: David G. Myers, Stetson Engineering, Inc. 620 E. Monroe, Riverton, WY 82501



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

August 3, 2009

Eugene Ninnie
Town of Pinedale
P.O. Box 709
Pinedale, WY 82941

RE: Town of Pinedale - Phase IV - Water and Sewer Rehabilitation - Permit Number 09-393R, Sections 3 & 4, T33N, R109W, Sections 33 & 34, T34N, R109W, Sweetwater County

Dear Mr. Ninnie:

The above application for coverage under General Permits to Construct the replacement of a public water supply distribution system consisting of about 1257 linear feet (LF) of 10-inch and 2472 LF of 8-inch ductile iron water main and the replacement of a sewer collection system consisting of about 3371 linear feet of 8-inch PVC sewer main in accordance with Chapter 3, Section 7 and 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. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

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

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

Sincerely,

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

PDF to Cheyenne
Brain Gray, P.E., WLC Engineering, Surveying & Planning, P.O. Box 1519, Pinedale, WY 82941

Page 1 of 1

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

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

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

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

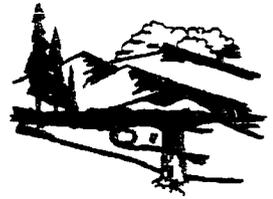
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 27, 2009

Mayor Dave Kinskey
City of Sheridan
P.O. Box 848
Sheridan, WY 82801

RE: Transfer of Ownership,
Taco John's/Good Times Restaurant
Sheridan County, Reference Permit #08-015
Permit #09-395

Dear Mayor Kinskey,

The above Transfer of Ownership 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 (WWQRR) and for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the WWQRR 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.

If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Pagorek
WDEQ/WQD

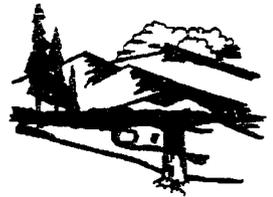
SP/rm/9-0647
Enclosures

cc: IPS, Cheyenne
WDEQ File
Mr. Torrey Moody, Northwest Distributing Company, Inc., P.O. Box 765, Sheridan, WY 82801
David Engels, P.E., EnTech, Inc.; 1949 Sugarland Drive, Suite 205; Sheridan, WY 82801





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 27, 2009

Mayor Dave Kinskey
City of Sheridan
P.O. Box 848
Sheridan, WY 82801

RE: Transfer of Ownership,
Osprey Hill One and Osprey Hill Phase Two
Sheridan County, Reference Permit #05-068 and #06-284
Permit #09-396

Dear Mayor Kinskey,

The above Transfer of Ownership 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 (WWQRR) and for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the WWQRR 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.

If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Pagorek
WDEQ/WQD

SP/rm/9-0648

Enclosures

cc: IPS, Cheyenne
WDEQ File
Gene Kilpatrick, Three Left Handers, LLC, 109 South Main, Sheridan, WY 82801
Scott Baxter, PE, CER, 237 North Main, Sheridan, WY 82801





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 27, 2009

Mayor Dave Kinskey
City of Sheridan
P.O. Box 848
Sheridan, WY 82801

RE: Transfer of Ownership,
Wyoming Girls School Dormitories
Sheridan County, Reference Permit #07-791
Permit #09-397

Dear Mayor Kinskey,

The above Transfer of Ownership 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 (WWQRR) and for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the WWQRR 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.

If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Pagorek
WDEQ/WQD

SP/rm/9-0649

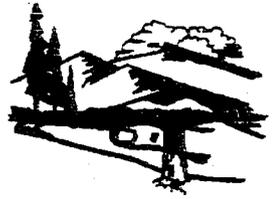
Enclosures

cc: IPS, Cheyenne
WDEQ Casper File
Clark Fairbanks, Wyoming Girls School Superintendent, P.O. Box 868, Sheridan, WY 82801
Chad Reed, WWC Engineering, 1849 Terra Avenue, Sheridan, WY 82801





Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

July 27, 2009

Mayor Dave Kinskey
City of Sheridan
P.O. Box 848
Sheridan, WY 82801

RE: Transfer of Ownership,
Aspen Grove Subdivision Water and Sewer Project
Sheridan County, Reference Permit #06-336
Permit #09-398

Dear Mayor Kinskey,

The above Transfer of Ownership 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 (WWQRR) and for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Sewage Collection Systems in accordance with Chapter 3 and Chapter 11 of the WWQRR 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.

If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Pagorek
WDEQ/WQD

SP/rm/9-0650

Enclosures

cc: IPS, Cheyenne
WDEQ Casper File
Schilling Companies, LLC, P.O. Box 3646, Gillette, WY 82717
William Mentock, 1030 North Main Street, Sheridan, WY 82801

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

August 21, 2009

Robert A. Johnson
G. Dan Scheer, Jr.
20 East Flaming Gorge Way
Green River, WY 82901

RE: Arthur Court Sewer & Water Main Extensions From the City of Rock Springs - Permit Number 09-399R, Federal Lot 18, Section 28, T19N, R105W, Sweetwater County

Dear Mr. Johnson and Mr. Scheer:

The above application for coverage under General Permits to Construct the extension of a public water supply distribution system consisting of about 844 linear feet of 8-inch PVC water main and the extension of a sewage collection system consisting of 492 linear feet of 8-inch PVC sewer main to serve 42 two bedroom apartments and 30 three bedroom apartments in accordance with Chapter 3, Section 7 and 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. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

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

Sincerely,

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

PDF to Cheyenne

Randy J Hansen, P.E., JFC Engineers and Surveyors, 1515 9th St., Suite A, Rock Springs, WY 82901

Timothy German, Sparrow Group, LLC, 619 SW Higgins Ave., Suite E, Missoula, MT 59803

Paul D. Kauchich, P.E., 212 D Street, Rock Springs, WY 82901

Vess Walker, 212 D Street, Rock Springs, WY 82901

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