



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

February 12, 2010

Jason Brown
Sheridan VA Medical Center
1898 Fort Road
Sheridan, WY 82801

RE: Sheridan Veterans Administration Medical Center, Sanitary Sewer System Upgrade,
WDEQ #10-001, Sheridan County, WY

Dear Mr. Brown:

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. 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.
WDEQ/WQD Northeast District Engineer

Enclosures: Certificate of Completion

cc: Robert A. Rothermel, P.E. FourFront Design, Inc., 517 7th Street, Rapid City, SD 57701
WDEQ File
IPS (Cheyenne)

SOLID & HAZARDOUS WASTE DIVISION
(307) 473-3450
Fax: (307) 473-3458

AIR QUALITY DIVISION
(307) 473-3455
Fax: (307) 473-3458

WATER QUALITY DIVISION
(307) 473-3465
Fax: (307) 473-3468





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

NOTIFICATION OF COVERAGE

January 28, 2010

Jason Brown
Sheridan VA Medical Center
1898 Fort Road
Sheridan, WY 82801

RE: Sheridan Veterans Administration Medical Center, Parking Lot Upgrade,
Water System Modifications, WDEQ #10-002, Sheridan County, WY

Dear Mr. Brown:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Public Water Supply Distribution Systems in accordance with Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permits and the materials submitted in your application package. 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.
WDEQ/WQD Northeast District Engineer

Enclosures: General Permits, Certificate of Completion

cc: Robert A. Rothermel, P.E. FourFront Design, Inc., 517 7th Street, Rapid City, SD 57701
WDEQ File
IPS (Cheyenne)

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Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

January 19, 2010

Crump Land and Livestock LLC
Cathleen Stalcup
501 Westside Drive
Gillette, WY 82718

RE: Crump #3 Small Residential Wastewater System; Crook County
Location: SENE 1/4, Section 25, Township 52N, Range 65W; As Built Permit # 10-003

Dear Mrs. Stalcup:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for only a **2 bedroom** mobile home in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. 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 and completion of the required septic system information for an as-built permit. The system generally complies with Wyoming Department of Environmental Quality/Water Quality Regulations governing Small Wastewater Systems. However, if the remaining room is converted to an additional bedroom, the septic system must be increased in size to accommodate the additional flows.

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 determine if an inspection of the system is required. If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/10-0051

cc: IPS, Cheyenne
WYDEQ File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Travis Dewey, Tri-City Excavating, 169 Thorn Divide Rd, Carlile, 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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Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

January 15, 2010

Crump Land and Livestock LLC
Cathleen Stalcup
501 Westside Drive
Gillette, WY 82718

RE: Crump #2 Small Residential Wastewater System; Crook County
Location: SENE 1/4, Section 25, Township 52N, Range 65W; As Built Permit # 10-004

Dear Mrs. Stalcup:

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. 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 and completion of the required septic system information for an as-built permit. The system generally complies with Wyoming Department of Environmental Quality/Water Quality Regulations governing Small Wastewater Systems.

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 determine if an inspection of the system is required. If you have any questions, please contact me at (307) 777-6941.

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/10-0050

cc: IPS, Cheyenne
WYDEQ File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Travis Dewey, Tri-City Excavating, 169 Thorn Divide Rd, Carlile, WY 82721

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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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John Corra, Director

NOTIFICATION OF COVERAGE

January 8, 2010

Mark Robbins
PO Box 951
Sundance, WY 82729

RE: Robbins Small Residential Wastewater System, Crook County
Location: SE ¼ . Section 24, Township 53N, Range 61W; Permit # **10-005**

Dear Mr. Robbins:

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 condition applies:

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.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels
WDEQ/WQD

SE/rm/10-0021

cc: IPS, Cheyenne
WYDEQ Casper File
Tim Lyons, Crook County Growth and Development, PO Box 848, Sundance, WY 82729
Dean Jensen, Aladdin Construction, PO Box 3010, Aladdin, WY 82710

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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John Corra, Director

NOTIFICATION OF COVERAGE

January 27, 2010

Daniel Tysdal
PO Box 759
Newcastle, WY 82701

RE: Tysdal Small Residential Wastewater System, Weston County
Location: West Side Industrial Subdivision Lot 3; Permit # 10-006

Dear Mr. Tysdal:

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 condition applies:

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.

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 Engels
WDEQ/WQD

SE/rm/10-0075

cc: IPS, Cheyenne
WYDEQ Casper File

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

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

PERMIT NO. 10-007

Diamond Run, North Fenceline

This permit hereby authorizes the applicant:

Wold Oil Properites, Inc.
Attn.: Mr. Peter Wold
139 West 2nd St., Suite 200
Casper, WY 82601

to have installed one (1) compliance monitoring well according to the procedures and conditions of the application number 10-007. The facility is proximal to a coalbed methane produced water impoundment located in Township 42N, Range 76W, Section 6 in the county of Johnson, 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 4 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 4 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 when discharge to each impoundment covered under this permit commences.

3 of 4 **Monitoring Requirements:**
 Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water elevation in monitoring well: MW-01NF;
- Sampling and analysis of groundwater at down-gradient well: MW-01NF;
- The parameters listed in the table below are required for groundwater compliance monitoring beneath the listed impoundment:

North Fenceline

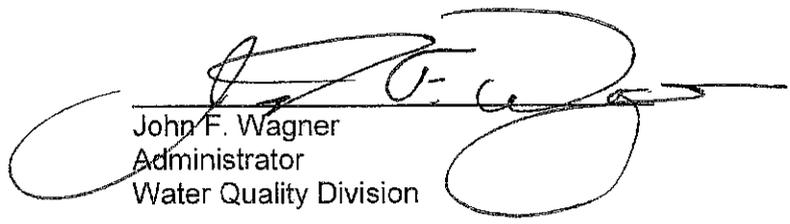
Parameter	MW-01NF Background Value (mg/L) (10/11/09)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1553	3000
TDS	1110	5000
pH	8.1	6.5 – 8.5 (s.u)

- Reporting results of quarterly monitoring and sampling to the department by January 15th, April 15th, July 15th, and October 15th of each year. The first set of data will be due by April 15th, 2010;
- If the initial discharge into the impoundment has not occurred by the quarterly report date, a groundwater compliance sample is not required for that quarterly period. The operator shall notify the DEQ that discharge has not occurred;

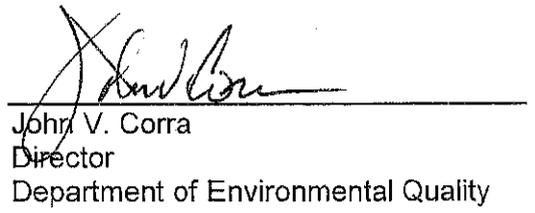
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
- The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: DEQ-CBMGroundwater@WYO.GOV. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

4 of 4 Any exceedence of the water quality standards listed above will be considered a violation of this permit. If an exceedence of groundwater standards occurs as a result of the operation of the impoundment, the WDEQ may require a more frequent monitoring schedule, further investigation of the groundwater impacts, remediation of the groundwater impacts, and cessation of discharge into the impoundment.

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division

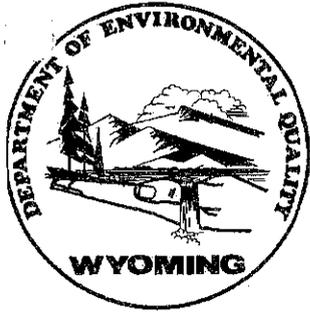


John V. Corra
Director
Department of Environmental Quality

1/12/10

Date of Issuance

UMW/rm/10-0029



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

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

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 10-007

SITE (POD) NAME: Diamond Run Project

APPLICANT: Wold Oil Properites, Inc.
Attn.: Mr. Peter Wold
139 West 2nd St., Suite 200
Casper, WY 82601

CONSULTANT: WWC Engineering
Attn.: Mr. Benjamin Schiffer
1849 Terra Ave.
Sheridan, WY 82801

LOCATION: Drainage: Unnamed tributary to Powder River
County: Johnson
Township 42 North; Range 76 West

WYPDES No: Discharge Permit: WY0056456

DATE ON REPORT: November 10, 2009

REVIEWING OFFICIAL: Ursula Williams, Geological Project Analyst, Groundwater
Section – North District

DATE OF THIS REVIEW: January 5, 2010

ACTION: Compliance Monitoring Plan authorized for North Fenceline Reservoir
pursuant to conditions on permit # 10-007.

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Unnamed tributary to Powder River

Groundwater Classification:

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

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

Table 1. Basis for Ground Water Classification by impoundment Name covered under Permit 10-007

Impoundment Name	Compliance Monitoring Well	Sulfate (mg/l)	TDS (mg/l)	Manganese (mg/l)
North Fenceline	MW-01NF	553	1110	0.26

Description of Hydrogeology:

First groundwater occurs in a shallow sandstone (70 ft bgs) which correlates well with previous work in adjacent projects (see applications for permits 06-266 and 08-218). This sandstone apparently sub-crops into a relatively deep deposit of unconsolidated, recent sediments. Static water levels indicate groundwater flow is to the northwest. The monitor well MW-01NF is located down gradient from the proposed impoundment.

Table 2. Names of Impoundments covered under Permit 10-007

Impoundment Name	Capacity (acre/ft)	Qtr	Qtr	Section	Town.	Range	Down gradient Monitoring Well
North Fenceline	19.9	N	ENW	6	42N	76W	MW-01NF

No other domestic, agricultural or livestock wells are located within ¼ mile of the proposed impoundment. No seeps or springs are noted in the immediate area.

2.0 MONITORING AND REPORTING REQUIREMENTS

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water elevation in monitoring well: MW-01NF;
- Sampling and analysis of groundwater at down-gradient well: MW-01NF;
- The parameters listed in the table below are required for groundwater compliance monitoring beneath the listed impoundment:

North Fenceline		
Parameter	MW-01NF Background Value (mg/L) (10/11/09)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1553	3000
TDS	1110	5000
pH	8.1	6.5 – 8.5 (s.u)

- Reporting results of quarterly monitoring and sampling to the department by January 15th, April 15th, July 15th, and October 15th of each year. The first set of data will be due by April 15th, 2010;
- If the initial discharge into the impoundment has not occurred by the quarterly report date, a groundwater compliance sample is not required for that quarterly period. The operator shall notify the DEQ that discharge has not occurred;
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
- The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: DEQ-CBMGroundwater@WYO.GOV. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

END OF REVIEW

UMW/rm/10-0029



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

PERMIT NO. 10-008
Reference Permit No. 05-290

Twenty Mile POD, (aka Gas Draw)

This permit hereby authorizes the applicant:

Windsor Energy Group, LLC
Attn: Mike Haddenham
405 Boxelder Road, Suite A
Gillette, Wyoming 82718

to have installed three (3) compliance monitoring wells according to the procedures and conditions of the application number 10-008. The facilities are proximal to coalbed methane produced water impoundments located in Township 55N, Range 72W, Sections 30, 31, and 32 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 proposed modification to the previously existing permit 05-290 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 4 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 4 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 when discharge to each impoundment covered under this permit commences.

3 of 4 Monitoring Requirements:

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water elevation in monitoring wells: MW 1, MW 2, and MW 4;
- Sampling and analysis of groundwater at down-gradient well: MW 1, MW 2, and MW 4;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

12-32-5572 Impoundment (MW 1)

Parameter	April 7, 2005 Background Value (mg/L)	Class II Water Quality Standards (mg/L)
Arsenic	0.005	0.1
Selenium	<0.005	0.02
Sulfate	77	200
Total Dissolved Solids (TDS)	758	2000
pH	7.26	6.5 – 8.5 (s.u)

13-30-5572 Impoundment (MW 2)

Parameter	April 7, 2005 Background Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001	0.2
Selenium	0.006	0.05
Sulfate	378	3000
Total Dissolved Solids (TDS)	871	5000
pH	7.04	6.5 – 8.5 (s.u)

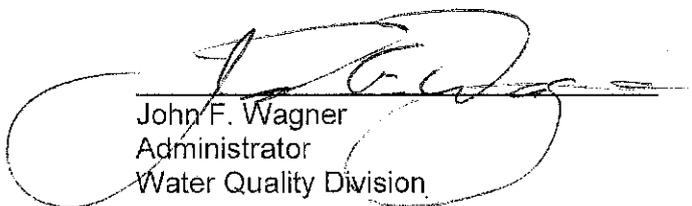
14-31-5572 Impoundment (MW 4)

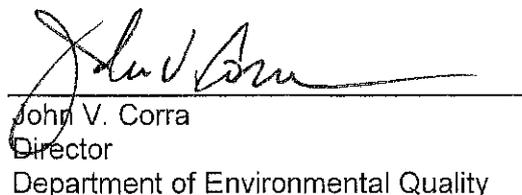
Parameter	April 7, 2005 Background Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.010	0.2
Selenium	<0.005	0.05
Sulfate	862	3000
Total Dissolved Solids (TDS)	1570	5000
pH	7.79	6.5 – 8.5 (s.u)

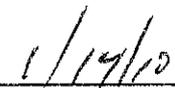
- Reporting results of quarterly monitoring and sampling to the department by January 15th, April 15th, July 15th, and October 15th of each year. The first set of data will be due by April 15th, 2010;
- If the initial discharge into the impoundment has not occurred by the quarterly report date, a groundwater compliance sample is not required for that quarterly period. The operator shall notify the DEQ that discharge has not occurred;
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
- The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: DEQ-CBMGroundwater@WYO.GOV. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

4 of 4 Any exceedence of the water quality standards listed above will be considered a violation of this permit. If an exceedence of groundwater standards occurs as a result of the operation of the impoundment, the WDEQ may require a more frequent monitoring schedule, further investigation of the groundwater impacts, remediation of the groundwater impacts, and cessation of discharge into the impoundment.

AUTHORIZED BY:

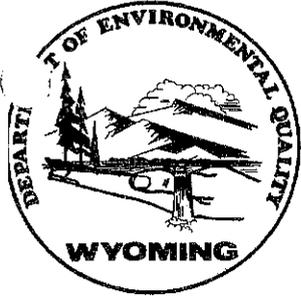

 John F. Wagner
 Administrator
 Water Quality Division


 John V. Corra
 Director
 Department of Environmental Quality



 Date of Issuance

UMW/rm/10-0039



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

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

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 10-008

REFERENCE PERMIT NUMBER: 05-290

SITE (POD) NAME: Twenty Mile POD, (aka Gas Draw)

APPLICANT: Windsor Energy Group, LLC
 Attn: Mike Haddenham
 405 Boxelder Road, Suite A
 Gillette, Wyoming 82718

CONSULTANT: ASAP Resources, LLC
 Attn.: Aaron Peterson
 P.O Box 6497
 Sheridan, WY 82801

LOCATION: Drainage: Horse Creek
 County: Campbell
 Township 54 and 55 North; Range 72 West

DATE ON REPORT: November 11, 2009

REVIEWING OFFICIAL: Ursula Williams, Geological Project Analyst,
 Groundwater Section – North District

DATE OF REVIEW: January 12, 2010

ACTION: Compliance Monitoring Plan modified for Twenty Mile POD pursuant to conditions on permit # 10-008 to remove the reservoir known as Cale 42-18-54-72 due to reclassification of groundwater and to remove trigger limits.

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Horse Creek, tributary to Powder River

Groundwater Classification:

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

Basis for Classification: Laboratory analysis of groundwater indicates ambient water quality meets Water Quality Rules and Regulations Chapter 8 Class III standards and exceeds both standards for the constituents listed in Table 1 below (Table 1- Chapter 8).

The reservoir known as Cale 42-18-54-72 is hereby removed from this permit because the baseline groundwater was classified as Class III. Uncertainties about the pH and high aluminum concentrations previously lead to the Class III classification. Subsequent monitoring data, which shows consistently low pH's, confirms that the groundwater was class IV. Groundwater data reveals a pH of approximately 4.9 over 3 years of sampling data. This well was completed to a depth of 20 ft bgs and completed in unconsolidated sand and coal.

Table 1. Basis for Ground Water Classification by impoundment Name covered under Permit 10-008

Impoundment Name	Compliance Monitoring Well	Class	TDS (mg/l)	SO ₄ (mg/l)	pH (SU)	Cr (mg/l)	Al (mg/l)
12-32-5572	MW 1	II	758	77	7.26	ND	0.02
13-30-5572	MW 2	III	871	378	7.04	0.002	0.02
14-31-5572	MW 4	III	1570	862	7.79	0.012	4.86

Description of Hydrogeology:

Groundwater occurs in sandy unconsolidated overburden ranging from 10 to 130 feet deep and 10 to 20 feet in saturated thickness.

Table 2. Names of Impoundments covered under Permit 10-008

Pit Name	Qtr Qtr	Section	Township	Range	GW Class
12-32-5572	SWNW	32	55 N	72 W	II
13-30-5572	NESW	30	55 N	72 W	III
14-31-5572	NESW	31	55 N	72 W	III

2.0 MONITORING AND REPORTING REQUIREMENTS

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water elevation in monitoring wells: MW 1, MW 2, and MW 4;
- Sampling and analysis of groundwater at down-gradient well: MW 1, MW 2, and MW 4;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

12-32-5572 Impoundment (MW 1)

Parameter	April 7, 2005 Background Value (mg/L)	Class II Water Quality Standards (mg/L)
Arsenic	0.005	0.1
Selenium	<0.005	0.02
Sulfate	77	200
Total Dissolved Solids (TDS)	758	2000
pH	7.26	6.5 – 8.5 (s.u)

13-30-5572 Impoundment (MW 2)

Parameter	April 7, 2005 Background Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	<0.001	0.2
Selenium	0.006	0.05
Sulfate	378	3000
Total Dissolved Solids (TDS)	871	5000
pH	7.04	6.5 – 8.5 (s.u)

14-31-5572 Impoundment (MW 4)

Parameter	April 7, 2005 Background Value (mg/L)	Class III Water Quality Standards (mg/L)
Arsenic	0.010	0.2
Selenium	<0.005	0.05
Sulfate	862	3000
Total Dissolved Solids (TDS)	1570	5000
pH	7.79	6.5 – 8.5 (s.u)

- Reporting results of quarterly monitoring and sampling to the department by January 15th, April 15th, July 15th, and October 15th of each year. The first set of data will be due by April 15th, 2010;
- If the initial discharge into the impoundment has not occurred by the quarterly report date, a groundwater compliance sample is not required for that quarterly period. The operator shall notify the DEQ that discharge has not occurred;
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
- The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: DEQ-CBMGroundwater@WYO.GOV. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

END OF REVIEW

UMW/rm/10-0039



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

October 20, 2010

Stephen L. Pitchford
Emmanuel Baptist Church of Pinedale
P.O. Box 247
Pinedale, WY 82941

RE: Emmanuel Baptist Church of Pinedale- Septic System - Permit Number 10-009R, W 1/2 NE 1/4 Section 6, T33N, R109W, Sublette County

Dear Mr. Pitchford:

The above application for coverage under General Permit to Construct a septic system and leach field consisting of one 1500 gallon septic tank, one 1000 gallon septic tank and a 120 unit Quick 4 infiltrator leach field to serve a 200 person capacity church in accordance with Chapter 3, Section 7, and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the facility in accordance with the General Permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

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

Sincerely,

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

xc:

Mark C. Eatinger, P.E., Rio Verde Engineering, P.O. Box 642, Pinedale, WY 82941
Keith Raney
PDF: IPS Cheyenne





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 16, 2010

Boyd Siddoway
Town of Star Valley Ranch
HRC 62 P.O. Box 7007
Star Valley Ranch, WY 83127

RE: TSVR Steel Line Replacement, Star Valley Ranch - Permit Number 10-010RR, Lat 42.965,
Lon 110.9543, Town of Star Valley Ranch, Lincoln County

Dear Mr. Siddoway:

The above application for coverage under a General Permit to Construct a water main distribution system replacement with approximately 33,000 linear feet of C-900 PVC with appurtenances in the Town of Star Valley Ranch 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
Project Engineer
Water Quality Division

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

PDF: 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

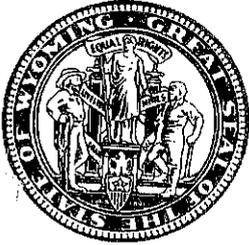
AIR QUALITY
(307) 332-6755

LAND QUALITY
(307) 332-3047

SOLID & HAZARDOUS WASTE
(307) 332-6924

WATER QUALITY
(307) 332-3144





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

January 6, 2010

Mayor Dave Kinsky
City of Sheridan
55 Grinnell Plaza
Sheridan, WY 82801

RE: Transfer of Ownership,
Woodland Park Elementary School –Water and Sanitary Sewer Systems
City of Sheridan, Sheridan County, Reference Permit #08-407
Permit #10-011

Dear Mayor Kinsky:

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 Engels
WDEQ/WQD

Enclosures

SE/rm/10-0012

cc: IPS, Cheyenne
WDEQ Casper File
Julie Carroll, Facilities Director, Sheridan County School District #2, 201 N Connor St, Sheridan, WY 82801
Ryan R. Christensen, PE, Vista West Engineering, P.O. Box 785, Sheridan, WY 82801
Chris Knodel, City of Sheridan. PO Box 848, 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) 777-8145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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STATE OF WYOMING
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND INJECTION CONTROL PERMIT ISSUED UNDER
WYOMING WATER QUALITY RULES AND REGULATIONS
CHAPTER 16

CLASS V INJECTION WELL

() New
(X) Modified

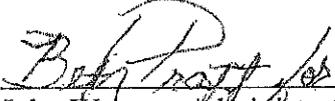
Permit Number: **10-012**
Previous Permits: 5E3-98-1
Facility Number: WYS-039-018

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

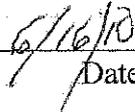
Applicant: National Park Service
Attn: Jeffrey S. Allen, Engineer
PO Drawer 170
Moose, WY 83012
(307) 739-3350

National Park Service, hereafter referred to as the permittee, is authorized to operate the Gros Ventre Campground Septic Systems. The facility consists of domestic wastewater septic systems in Sections 8 and 9, Township 42 North, Range 115 West, of the 6th Principal Meridian, Teton County, according to the procedures and conditions of application 10-012 and requirements and other conditions of this permit.

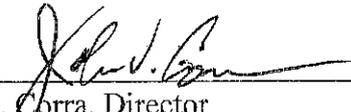
This permit shall become effective on date of issuance.



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



Date



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



Date

ADN/rm/10-0521

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A. Discharge Zone

The facility is permitted for a total of ten (10) septic systems to service the campground. Nine (9) septic systems are currently in place. Six (6) septic systems currently serve the comfort stations located around the campground loops; these septic systems are termed Loop A.1, Loop B.1, Loop B.2, Loop C.1, Loop D.1, and Loop D.2. Each loop septic system is allowed to inject a maximum of 3,000 gallons per day (gpd) resulting in a total of 18,000 gallons. An existing septic system for park employees, called Administrative Sites has a maximum daily discharge of 2,000 gpd. The seven (7) septic systems are not being modified by this permit.

An existing septic system called, Loop E-G Group has a maximum daily discharge rate of 16,000 gpd. This system is allowed to inject under this permit. Loop E-G Group system will be abandoned in the future along with the campgrounds of the Group Loop and Loop G.

Two (2) new septic systems will be built under this permit. Loop E-F will have a maximum daily discharge rate of 11,140 gpd. There is also an existing RV Dump Station septic system. The RV Dump Station septic system is being replaced and will have a maximum daily discharge rate of 3,300 gpd.

The maximum discharge rate from all of the septic systems will be 50,440 gpd. The maximum flow rate will reduce to 34,440 gallons per day once the Loop E-G Group septic system is eliminated.

The wastewater to be injected is domestic wastewater emanating from campground comfort stations, recreational vehicles, showers, laundry, and administrative offices. The primary treated wastewater will be injected into the Gros Ventre River Alluvium. The shallowest groundwater is approximately 7 feet below ground surface.

B. Well and Area of Review

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

Sections 8 and 9, Township 42 North, Range 115 West, 6th Principal Meridian

The Area of Review is defined as the quarter quarters containing the septic systems and down gradient to the Gros Ventre River. The total area of review is 560 acres.

The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10	Years
Porosity	25	Percent
Maximum Injection Rate	50,440	GPD
Thickness of Receiver	100	Feet
Area of Review	560	Acres
Hydraulic Conductivity	2	Feet/Day

C. Groundwater Classification

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

1. Laboratory analysis of the groundwater within the area of review meets the requirements for Class I groundwater in Table 1 of the Wyoming Water Quality Rules and Regulations, Chapter 8.
2. Use of groundwater within the Area of Review is domestic.

Groundwater of Class I is suitable for domestic use and shall not be degraded to make it unusable as a source of water for this purpose.

D. Authorized Operations

The permittee is authorized to inject 50,440 gallons per day maximum of wastewater into ten (10) existing and proposed leachfields. The wastewater is described as domestic wastewater from campground comfort stations, recreational vehicles, showers, laundry, and administrative offices.

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

E. Hazardous Waste

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

F. Proper Operation and Maintenance

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

The permittee is required to operate in accordance with statements, representations and procedures presented in the complete permit application and supporting documents as accepted

and approved by the Administrator. Any modifications which will result in a violation of permit conditions shall be reported by submission of a new or amended permit application and shall not be implemented until a new or modified permit has been issued. Injection into a well may not begin until construction is complete and the permit is approved.

G. Entry and Inspection

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

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.
4. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The time(s) analyses were initiated;
 - e. The initials or name(s) of the individual(s) who performed the analyses;
 - f. References and written procedures for the analytical techniques or methods used;
 - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

6. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
7. The permittee shall report any noncompliance which may endanger health or the environment within 24 hours from the time the operator becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;
 - c. A written submission shall be provided within 5 days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.
9. The monitoring reports shall be submitted on forms provided by the Department. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 45 days following each schedule date.

I. Requirements for Monitoring the Wastewater Facility

The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in **Table 2**. Additionally, the up gradient wells for the RV Dump Station and Loop E-F (MW-GV2 and MW-GV10) septic systems shall be sampled in the first year of operation for the parameters outlined in **Table 2**. The up gradient samples will serve as a baseline. Monitoring wells associated with the RV Dump Station are required to be sampled for Formaldehyde. Regular sampling of the up gradient monitoring wells will not be required unless requested by the Administrator. Surface water samples of the Gros Ventre River upstream and downstream of the campground may also be required if the river demonstrates impact from the septic systems.

Table 2 (Annual Groundwater Monitoring Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL
MW-GV6	Two semi-Annual samples, one in April/May and one in September	Ammonia as N	EPA 1689	0.50 mg/L
MW-GV9		Chloride	EPA 300.0	250 mg/L
MW-GV11		Nitrate as N	EPA 353.2	10 mg/L
MW-GV12		Formaldehyde (MW-GV6 and MW-GV9 only)	NIOSH 3500 Mod.	7 mg/L
		Top of casing elevation (ft)	Casing elevation must be surveyed	Not applicable
		Depth to static water (ft)	Steel tape with chalk or electronic tape	Not applicable

*All applicable chemical concentrations in this permit are expressed as total (not dissolved) in mg/l unless otherwise noted. The septic tanks in the Gros Ventre Campground are to be pumped annually at the end of the camping season. A copy of the invoice for pumping the tanks is to be included with the annual report.

All annual reports are to be reported within forty-five (45) days of the last day of the year (February 14th).

The above upper control limit (UCL) cannot be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require notification under Section K of this permit. If the UCL is exceeded in a sample, additional monitoring wells may be required to determine whether groundwater has been impacted and to delineate the nature and extent of any contamination resulting from operation of the permitted facility. Surface water samples (upstream and downstream of the facility) of the Gros Ventre River may be required if any of the monitoring wells show a Nitrate exceedence.

J. Test Procedures

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

K. Records and Reports

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

shall contain: a description of the noncompliance, the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue, and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

L. Permit Actions

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

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

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

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

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

M. Abandonment

General Requirements:

1. The permittee shall notify the administrator at least thirty (30) days prior to abandonment of the facility.
2. An abandonment report, detailing the compliance with abandonment procedures outlined in the original application for coverage under this permit, or describing any deviations from the

original plan, shall be submitted as soon as practicable after abandonment. The abandonment shall include reclamation of the well site.

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

N. Duties of the Permittee

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

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

O. Signatories Requirement

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

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

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

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

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

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

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

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

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

P. Noncompliance

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

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

Q. Permit Transfer

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

R. Property Rights

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

The state of Wyoming recently passed Wyoming statute §34-1-152 and amended Wyoming statute §34-1-202 regarding the ownership of pore space within the subsurface. The department recommends that the permittee considers how these laws may apply to their injection of material into the subsurface.

S. Severability

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

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

- A. UIC Permit Number: 10-012
- B. Facilities Covered: Gros Ventre Campground Septic Systems
- C. Class of Facility: Class V (Wyoming Water Quality Rules and Regulations, Chapter 16)

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

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

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

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

Yes

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

No

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

Not Applicable

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

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

VI. Documentation of Statement of Basis.

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

VII. Applicant and Public Participation

- A. The applicant has been provided with a draft permit prior to the permit being issued.
- B. A Public Notice has been issued with a public notice period starting April 28, 2010 and ending on May 28, 2010 (30 day notice as required by Wyoming Water Quality Rules and Regulations, Chapter 16). This notice was published in the Jackson Hole News & Guide on or before the start of the public comment period.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6. This review was performed by Adrienne D. Nunn, Project Engineer, completed on April 12, 2010. 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

June 16, 2010

National Park Service
Attn: Jeffrey S. Allen, Engineer
PO Drawer 170
Moose, WY 83012

RE: Gros Ventre Campground Septic Systems
Final Permit **10-012**, Class V Domestic Subsurface Fluid Distribution System
Teton County, Wyoming

Dear Mr. Allen:

Attached please find one copy of the Class V permit for the above referenced facility. This permit requires a one-time Notice of Construction Completion and an annual sampling program. The Notice of Construction Completion form should be submitted 30 days after the facility is constructed. Also, please provide as-built details. The annual sampling report must be submitted within 45 days of the end of each calendar year (February 14). Both forms are enclosed for your convenience.

The permit application, draft permit, final permit, public notice, and report forms are available for review on the GEM website <https://gem.trihydro.com>. The corresponding report forms can be filled out using our on-line webform (Monitor Reports Link), or you may have the lab submit them using EQUIS Electronic Data Deliverable (EDD).

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

Sincerely,

Adrienne D. Nunn
Project Engineer
Water Quality Division

ADN/rm/10-0521

Enclosure: Final Permit, Notice of Construction Completion, Monitoring Report Template

cc: John Passehl, WDEQ

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

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



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Dave Freudenthal, Governor

John Corra, Director

April 26, 2010

Teton County Engineering Department
PO Box 3594
Jackson, WY 83001

RE: Gros Ventre Campground Septic Systems
Draft Permit **10-012**, Class V Domestic Subsurface Fluid Distribution System
Teton County, Wyoming

Dear Sir/Madam:

The National Park Service has submitted an application for an Underground Injection Control (UIC) permit. The facility will dispose of domestic wastewater from campground comfort stations, recreational vehicles, showers, laundry, and administrative offices. The permit will cover a total of ten (10) septic systems located throughout the campground. The wastewater will be disposed through leachfields after primary treatment in a septic tank. The facility will inject into the Gros Ventre Alluvium located in Section 8 and 9, T42N, R115W.

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

Please review this application and submit your comments within the next 30 days.

Sincerely,

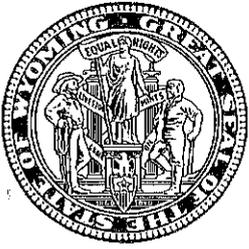
Adrienne D. Nunn
Project Engineer
Water Quality Division

ADN/rm/10-0329

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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Dave Freudenthal, Governor

John Corra, Director

April 26, 2010

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

RE: Gros Ventre Campground Septic Systems
Draft Permit **10-012**, Class V Domestic Subsurface Fluid Distribution System
Teton County, Wyoming

Dear Mr. Huber:

The National Park Service has submitted an application for an Underground Injection Control (UIC) permit. The facility will dispose of domestic wastewater from campground comfort stations, recreational vehicles, showers, laundry, and administrative offices. The permit will cover a total of ten (10) septic systems located throughout the campground. The wastewater will be disposed through leachfields after primary treatment in a septic tank. The facility will inject into the Gros Ventre Alluvium located in Section 8 and 9, T42N, R115W.

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

Please review this application and submit your comments within the next 30 days.

Sincerely,

Adrienne D. Nunn
Project Engineer
Water Quality Division

ADN/rm/10-0329

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

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Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

April 26, 2010

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

RE: Gros Ventre Campground Septic Systems
Draft Permit **10-012**, Class V Domestic Subsurface Fluid Distribution System
Teton County, Wyoming

Dear Ms. Lindemann:

The National Park Service has submitted an application for an Underground Injection Control (UIC) permit. The facility will dispose of domestic wastewater from campground comfort stations, recreational vehicles, showers, laundry, and administrative offices. The permit will cover a total of ten (10) septic systems located throughout the campground. The wastewater will be disposed through leachfields after primary treatment in a septic tank. The facility will inject into the Gros Ventre Alluvium located in Section 8 and 9, T42N, R115W.

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

Please review this application and submit your comments within the next 30 days.

Sincerely,

Adrienne D. Nunn
Project Engineer
Water Quality Division

ADN/rm/10-0329

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

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Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

April 26, 2010

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

RE: Gros Ventre Campground Septic Systems
Draft Permit **10-012**, Class V Domestic Subsurface Fluid Distribution System
Teton County, Wyoming

Dear Ms. Needles:

The National Park Service has submitted an application for an Underground Injection Control (UIC) permit. The facility will dispose of domestic wastewater from campground comfort stations, recreational vehicles, showers, laundry, and administrative offices. The permit will cover a total of ten (10) septic systems located throughout the campground. The wastewater will be disposed through leachfields after primary treatment in a septic tank. The facility will inject into the Gros Ventre Alluvium located in Sections 8 and 9, T42N, R115W.

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

Please review this application and submit your comments within the next 30 days.

Sincerely,

Adrienne D. Nunn
Project Engineer
Water Quality Division

ADN/rm/10-0329

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

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Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

April 22, 2010

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

RE: Gros Ventre Campground Septic Systems
Draft Permit **10-012**, Class V Domestic Subsurface Fluid Distribution System
Teton County, Wyoming

Dear Ms. Cheung:

The National Park Service has submitted an application for an Underground Injection Control (UIC) permit. The facility will dispose of domestic wastewater from campground comfort stations, recreational vehicles, showers, laundry, and administrative offices. The permit will cover a total of ten (10) septic systems located throughout the campground. The wastewater will be disposed through leachfields after primary treatment in a septic tank. The facility will inject into the Gros Ventre Alluvium located in Section 8 and 9, T42N, R115W.

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

Please review this application and submit your comments within the next 45 days.

Sincerely,

Adrienne D. Nunn
Project Engineer
Water Quality Division

ADN/rm/10-0329

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

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Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

February 9, 2010

National Park Service
Attn: Jeffrey S. Allen
PO Drawer 170
Moose, WY 83012

RE: UIC **10-012**, 5E3 Large Capacity Septic System
Class V injection well application, Teton County

Dear Mr. Allen:

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

The WDEQ received this application on December 30, 2009 and has until February 28, 2010 to make an initial determination of completeness (60 days). Re-submittal of information by an applicant on an incomplete application will begin a new 60 day review process. Pursuant to Chapter 16, Section 6(h), during any 60 day review period where an application is determined complete, a draft permit for issuance or denial shall be prepared and a public notice provided pursuant to Chapter 16, Section 13.

Please feel free to contact me at (307) 777-6428, anunn@wyo.gov or the address below should you have any questions related to these comments or the application and review process.

Sincerely,

Adrienne Nunn
Project Engineer
Water Quality Division

ADN/rm/10-0105

Attachments: WDEQ Comments



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

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Gros Ventre Campground UIC Septic System Engineering Review – 5E3 Proposed Sewage Disposal System

LOCATION: T42N, R115W, Section 8 Teton County

ENGINEER: Jeffrey S. Allen P.E. C-71033
307-739-3350

GEOLOGIST: Robert H. Comez P.G. 769

APPLICANT: National Park Service
Jeffrey S. Allen
PO Drawer 170
Moose, WY 83012

WATER QUALITY DIVISION REFERENCE NUMBER: UIC 10-012

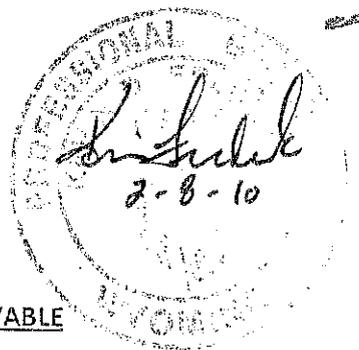
REVIEWING ENGINEER: Adrienne D. Nunn, E.I.T.
Phone: (307)-777-6428

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

APPROVING GEOLOGIST: Kevin Frederick
Phone: (307)-777-5985

DATE OF REVIEW: January 28, 2010

ENGINEER'S REVIEW SUMMARY RECOMMENDATION: NOT APPROVABLE



ENGINEERING AND GEOLOGY REVIEW COMMENTS:

1. Technical Engineering Review Extent: Gros Ventre Campground is located in Grand Teton National Park. The proposed system will have a total of eight (8) septic systems located in the campground. Most of the existing utilities were constructed in the 1960's. The UIC permit application is for the replacement of two (2) leachfields. The first leachfield is the RV Waste station septic system. This septic system is proposed to take wastewater from an RV Dump Station, the ranger station, and a shower house. The proposed design flow rate is 3,300 gallons per day. Wastewater will flow through gravity lines into an 8,000 gallon fiberglass septic tank. From the septic tank wastewater will gravity flow into a leachfield constructed of chamber units. The leachfield will consist of eight (8) trenches, each 100 feet long.

The second septic system to be replaced is for campground Loops E-F. The system is proposed to service 44 campsites with full RV hookups, 44 sites without RV hookups (wastewater from comfort stations), a laundry facility, and comfort stations for the group sites. The total proposed design flow for this system is 12,900 gallons per day. Wastewater will be collected from the various campsites, comfort stations, and laundry facility and fed into a 6 inch PVC gravity line. The gravity line will flow into a lift station that will pump the wastewater through a 2 inch HDPE pressure line into a 20,000 gallon fiber glass septic tank. Effluent will then flow into a dosing station that will pump into a pressurized leachfield constructed of infiltrator units. There will be twenty eight (28) trenches, each 100 feet long, in the leachfield.

2. Permitting Recommendations: WDEQ UIC program recommends permitting all of the septic systems located at the campground under one area permit. This would include the RV Waste Station, the Loop E-F, and all of the other campground loop septic systems. Please provide all pertinent information on the comfort stations and leachfields including design, size, and location.

A permit-to-construct application was included in the application package. Just as an FYI, this application is not needed in addition to the UIC permit. The UIC permit by default covers the permit-to-construct for the wastewater components.

3. Wastewater Design Flows: The wastewater design flows for RV Waste Station need some additional clarification. How were 48 uses per day from the RV dump station obtained? How does 316 sites without hookups, an average stay of 4 nights add up to 48 uses per day? Also, please provide additional information on the Ranger Station flows. Is this based on employee use? How were 75 uses per day attained for the showers?

The proposed design flows for the Loop E-F septic system appear to meet the minimum requirements of Wyoming Water Quality Rules and Regulations (WQRR) Chapter 11. However, a figure that specifically addresses the wastewater flow to this leachfield would be helpful. Please provide a figure that shows all of the sites with and without hookups, the laundry, and the group site comfort stations. Please show the sewer collection lines from the laundry facility. Also, please

describe in more detail what a group site is and how the 200 users and 500 gallons per day numbers were calculated.

Another alternative to the conservative design flows in Chapter 11 is to use collected data. The existing well is equipped with a flow meter. DEQ recognizes that the well supplies the entire campground and that wastewater is only a component of the well flow. Was historical water use considered in determining the required size of the septic tanks and leachfields?

4. Percolation Tests: Please provide a figure that shows where the percolation tests were completed in relation to the proposed leachfields. Please provide this information for both proposed wastewater systems.
5. Siting: Please address flooding calculations in more depth. If flooding is possible in the area, it needs to be taken into consideration in the design. This may particularly be a concern since some of the comfort stations are going to be moved because they are in a "flood prone area".
6. Sewers: Plans for both septic systems include partial profiles of the sewers. Please include this type of detail for the entire sewer piping. For the RV Waste Station, please include a profile, or at least a label of the slopes, of the piping between the RV dump stations and the manhole. For Loop E-F, provide a profile of the sewer line between the dosing station and the leachfield.
7. Septic Tanks: The proposed septic tanks appear to have water levels higher than the 4 to 6 feet allowed in WQRR Ch. 11 Section 39 (a) (iii) (A). Please specify what the water depth will be for both tanks. Also, if the depth is outside the 4 to 6 foot range, please ask for a variance from the standard and provide the reasoning for that variance.
8. Lift Station/Dosing Tanks: The pumping volumes for both the lift station and dosing tanks appear too small. The volume between the on and off switches is approximately 141 gallons. This pumping volume does not seem appropriate for several reasons. First of all, for a design flow of 12,900 gallons per day, the pump will cycle on and off approximately every nine minutes. Second of all, the volume of piping between the lift station and the septic tank is about 126 gallons. There is a high point in the high pressure HDPE pipe that will cause the much of the wastewater to flow back into the lift station, making the cycle time even smaller. The high point in the force main may also cause freezing issues due to the depth of pipe. This can be eliminated by straightening the pressure pipe so that there is no high point. This would also alleviate the need to put in an air release at the high point of the pipe. The pumping volume from the dosing station to the leachfield is also too small. The piping after the dosing tank plus the leachfield laterals appears to be approximately 200 gallons, which is greater than the dosing volume of the leachfield.

The lift station (LS-01), some of the gravity main, and the pressure main is located under a roadway (sheet C.06). WDEQ requests that the sewer line is adjusted so that a minimal amount of the sewer system is under the road.

Per WWQRR Chapter 11, Section 10(c)(ii), the lift station shall have a bottom slope at no less than 1.75 vertical to 1 horizontal. Both stations are equipped with a ball check valve on the pump discharge piping. These check valves will prevent the line(s) from draining after each dosage which will result in freezing of the line(s). Also, the discharge pipe should be fitted with a coupling above the maximum liquid height to facilitate the removal of the pump(s). What is the purpose of the gate valve?

According to Ch. 11 Section 10 (d) (ii) (C), what is the design pressure for the force main and the piping after the dosing station? What is the maximum surge or water hammer of the system?

9. Leachfields: Please specify in the project manual or the plans that surface runoff must be diverted from the leachfield area per WQRR Ch. 11 Section 41 (a) (iii).

The same leachfield detail is given for both the RV Waste Station and the Loop E-F septic systems. The laterals for the RV Waste Station leachfield should be modified since it is a gravity system. The holes in the perforated pipe should never be vertically straight up since there will be no pressure to allow flow of the wastewater through these holes.

In reference to the leaching chamber cross-section found on sheet C.10, it was noted that the bottom of the leachfield is shown to be at least four feet below the ground surface. DEQ recognizes that better treatment in the soils occurs when the leachfield is buried at a shallower depth and therefore recommends reducing the burial depth by at least 12 inches or more.

10. Plugging and Abandoning: When the existing septic tank(s) are abandoned there are a couple of options. The tanks can be removed and backfilled. The other option is to abandon in-place. When a tank is abandoned in place pump the tank out, punch holes in the bottom, and fill it with pea gravel.
11. Monitoring: WDEQ recommends monitoring of both proposed septic systems. Each system should have one up gradient monitoring well and two down gradient monitoring wells. WDEQ proposes the monitoring plan as shown in Table 1. Since the leachfields are large capacity and relatively close to the Gros Ventre River, WDEQ will reserve the right to request upstream and downstream samples for Nitrate in the event that the monitoring wells show a Nitrate exceedance.

Table 1: Proposed Gros Ventre Sampling Schedule

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL*
One up gradient and two down gradient wells for each leachfield	Two semi-annual samples, one in April or May and one in September	Ammonia as N	SM 4500 NH ₃ H	0.50 mg/L
		Chloride	SM 4500 CL ⁻ B	250 mg/L
		Nitrate as N	SM 4500 NO ₃ E	10 mg/L
		Top of casing elevation (ft)	Casing elevation must be surveyed	Not applicable
		Depth to static water (ft)	Steel tape with chalk or electronic tape	Not applicable

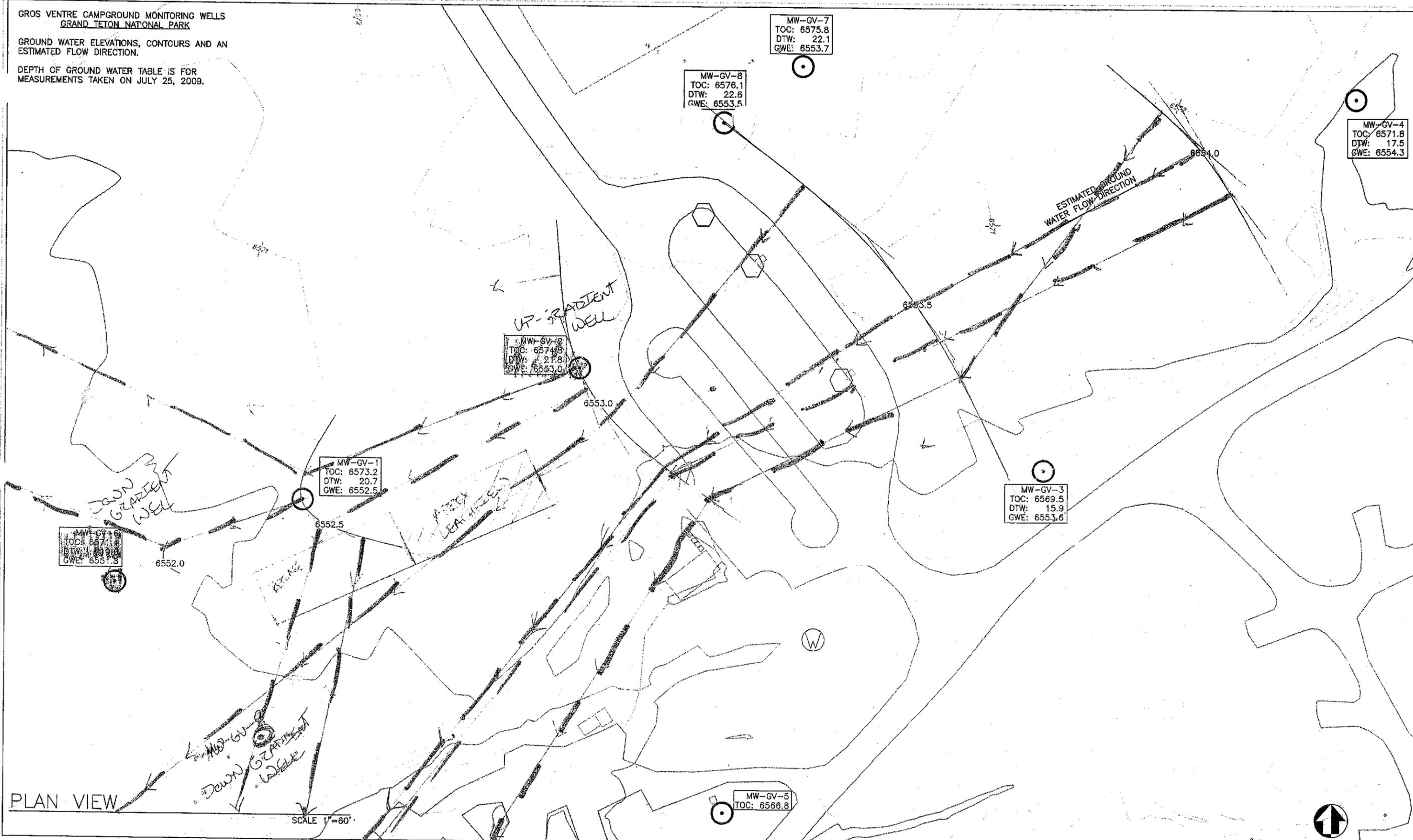
There are 4 proposed monitoring wells in the plans. It is recommended to move one monitoring well, MW-GV10, from its proposed location on sheet C.06. That well should be moved down gradient of the RV Waste Station leachfield. Currently, there are 8 monitoring wells associated with the RV Waste Station leachfield. However, all of them except one (MW-GV-6) are either cross or up gradient of the system. This would allow both systems to have one up gradient well and two down gradient wells, but not increase the number of monitoring wells already being proposed. See the attached figure for the two existing wells proposed for monitoring as well as a location for the new well.

Recommendation: The application is not approvable as submitted. It is the opinion of the WDEQ reviewers that the application does not meet the minimum requirements of Chapter 11 and Chapter 16 Water Quality Rules and Regulations.

GROS VENTRE CAMPGROUND MONITORING WELLS
GRAND TETON NATIONAL PARK

GROUND WATER ELEVATIONS, CONTOURS AND AN
ESTIMATED FLOW DIRECTION.

DEPTH OF GROUND WATER TABLE IS FOR
MEASUREMENTS TAKEN ON JULY 25, 2009.



PLAN VIEW

SCALE 1"=60'

0.35" = 10.5 FT
1" = 30'

DESIGNED: BOB COMEY GACB JA	SUB SHEET NO. 1	TITLE OF SHEET GROS VENTRE CAMPGROUND - GROUND WATER CONTOURS GRAND TETON NATIONAL PARK	DRAWING NO. PMS/PKG NO. 122824/1140570 SHEET 1 OF 1
TECH. REVIEW: BOB COMEY			
DATE: 11/09			

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

CLASS V INJECTION WELL

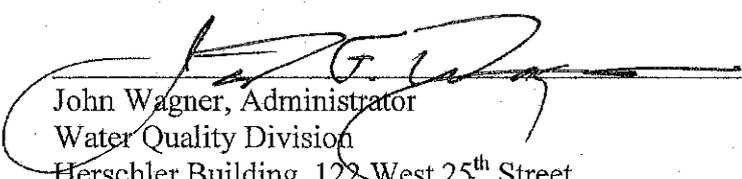
New
 Modified (Renewal)

Permit Number: **10-013**
Previous Permit(s): 07-110
Facility Number WYS-023-00084

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

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

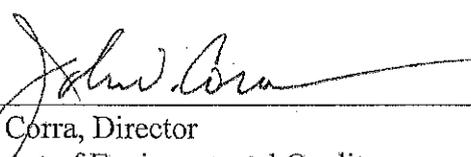
North Star Utility Company, hereafter referred to as the permittee, is authorized to construct and operate the proposed septic tank and leach field wastewater disposal system in the NW¹/₄, NW¹/₄ of Section 29, Township 37 North, Range 118 West, of the 6th Principal Meridian, Lincoln County, according to the procedures and conditions of application 10-013 and requirements and other conditions of this permit.



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

4/5/10

Date



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

4/7/10

Date

ADN/rm/10-0274

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A. Discharge Zone

This injection well (sanitary leach field system) is authorized to inject an average 16,567 gallons per day (gpd) and a maximum of 24,850 gallons/day of treated domestic sewage into the undifferentiated Snake River Alluvial aquifer which is as shallow as 55 feet below ground surface within the area of review. Average sewage flows include the following: Alpine Meadow Subdivision: 2,500 gpd; Snake River Junction Development: 2,000 gpd; Flying Saddle Lodge: 12,067 gpd.

B. Well and Area of Review

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

NW¹/₄ of NW¹/₄ of Section 29, Township 37 North, Range 118 West, 6th Principal Meridian

The Area of Review is defined as an area of approximately 360 acres in size with the injection facility located near its center.

The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	1/5*	Years
Porosity	30	Percent
Injection Rate	12,067	GPD
Thickness of Receiver	133	Feet
Area of Review	360	Acres
Hydraulic Conductivity	10	Feet/Day

*Refer to section D of the permit

C. Groundwater Classification

The groundwater in the unconfined Snake River Alluvium aquifer is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater in this formation is currently being used for domestic purposes at water supply wells within the area of review. Background water samples also meet the standards of a Class I groundwater. Groundwater of Class I shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

For a period of up to one year, the permittee is authorized to inject 16,567 gallons per day average and 24,850 gallons per day maximum of treated domestic wastewater through the

existing injection well system. Primary treatment of the wastewater occurs in 4 septic tanks with a total capacity of 41,888 gallons. The treated wastewater is then pressure dosed into a leachfield constructed from 1,820 infiltrator chambers.

The remaining four years of the permit are to allow for emergency use of the septic system. The wastewater produced from the Alpine Meadow Subdivision, the Snake River Junction Development, and the Flying Saddle Lodge is to be piped to the Town of Alpine Wastewater Treatment Plant within one year of the issuance of this permit. Thereafter, injection of domestic wastewater into the existing septic system is only allowed for emergency situations. The permittee must contact the Water Quality Division prior to any injection and obtain permission from the Administrator to use the system.

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

E. Hazardous Waste

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

F. Proper Operation and Maintenance

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

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

G. Entry and Inspection

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

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.
4. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The time(s) analyses were initiated;
 - e. The initials or name(s) of the individual(s) who performed the analyses;
 - f. References and written procedures for the analytical techniques or methods used;
 - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
6. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.

7. The permittee shall report any noncompliance which may endanger health or the environment within 24 hours from the time the operator becomes aware of the circumstances. The report should include:

- a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
- b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;
- c. A written submission shall be provided within five (5) days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.

9. The monitoring reports shall be submitted on forms provided by the Department. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 45 days following each schedule date.

10. The permittee shall file a written report to the Water Quality Division regarding the status of all permits and the feasibility of tying into the Town of Alpine's wastewater treatment system every six (6) months.

11. The permittee shall meter the total monthly volume (gallons) discharged to the leach field and report it quarterly.

I. Requirements for Monitoring the Discharge

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

Table 2 (Semi-Annual Groundwater Sampling Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL
MW-1 (36-1) MW-2 (90-1) MW-3 (176-1)	Once prior to the end of each semi-annual period.	Ammonia as N	EPA 1689	0.50 mg/L
		Chloride	EPA 300.0	250 mg/L
		Fecal coliform bacteria	EPA 1604	0 colonies/100 Ml
		Nitrate as N	EPA 353.2	10 mg/L
		Top of casing elevation (ft)	Casing elevation must be surveyed	Not applicable
		Depth to static water (ft)	Steel tape with chalk or electronic tape	Not applicable

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

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

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

The above sampling schedule is applicable for the first year of this permit. After the first year and use of the leachfield has ceased, monitoring will no longer be required. However, when the system is used for emergency use sampling in that semi-annual period will be required.

J. Test Procedures

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

K. Records and Reports

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

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

L. Permit Actions

This permit is issued for a period of five (5) years. If the permittee wishes to continue injection after the expiration date of this permit, he shall apply to the Administrator prior to the expiration date of this permit. An expired permit continues in effect until a new permit is issued or the permit is terminated by the Administrator. It shall not be a defense for the permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. The filing of a request by the permittee, or at the instigation of the Administrator, for permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

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

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

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

M. Abandonment

General Requirements:

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

N. Duties of the Permittee

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

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

O. Signatories Requirement

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

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

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

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

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

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

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

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

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

P. Noncompliance

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

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

Q. Permit Transfer

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

R. Property Rights

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

S. Severability

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

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

- A. UIC Permit Number: **10-013**
- B. Facilities Covered: North Star Utility Company (Alpine Meadows Subdivison)
- C. Class of Facility: Class V (Wyoming Water Quality Rules and Regulations, Chapter 16)

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

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

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

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

Yes

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

No

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

Not Applicable

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

Applicable. A groundwater review has been conducted to insure that groundwater will not be impacted by this system.

VI. Documentation of Statement of Basis.

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

VII. Applicant and Public Participation

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

- B. A Public Notice has been issued with a public notice period starting February 18, 2010 and ending on March 20, 2010 (30 day notice as required by Wyoming Water Quality Rules and Regulations, Chapter 16). This notice was published in the Casper Star Tribune and Star Valley Independent on or before the start of the public comment period.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Wyoming Water Quality Rules and Regulations, Chapter 16, Section 6. This review was performed by Adrienne D. Nunn, Project Engineer, and completed on February 2, 2010. 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".

ADN/rm/10-0274



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

April 5, 2010

Micheal T. Halpin
Ty S. Ross, P.E.
North Star Utility Company
PO Box 610
Jackson, WY 83001

RE: North Star Utility Company (Alpine Meadows Subdivision)
Final Permit **10-013**, Class V Septic System
Lincoln County, Wyoming

Attached please find one copy of the Class V permit for the above referenced facility. This permit requires an annual sampling program. The annual sampling report must be submitted within 45 days of the end of each calendar year (February 14). A copy of the monitoring report form is enclosed for your convenience.

The permit application, draft permit, final permit, public notice, and report forms are available for review on the GEM website <https://gem.trihydro.com>. The corresponding report forms can be filled out using our on-line webform (Monitor Reports Link), or you may have the lab submit them using EQUIS Electronic Data Deliverable (EDD).

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

Sincerely,

Adrienne Nunn
Project Engineer
Water Quality Division

ADN/rm/10-0274
cc: Mark Baron, WDEQ

Enclosure: Final Permit, Monitoring Report

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



STATE OF WYOMING
CLASS V LARGE CAPACITY SEPTIC (5E) GROUNDWATER MONITORING
DEPARTMENT OF ENVIRONMENTAL QUALITY
REPORTING FORM FOR CLASS INJECTION WELLS

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

Company Name:	North Star Utility Company
Contact Person:	MICHAEL HALPIN
Phone Number:	307-739-9090
Company Address:	330 N. Glenwood Street Jackson, WY 83001
Facility Name:	Septic System Phase II
Facility Number:	WYS-023-00084
Permit Number:	07-110
Legal Location:	T:37.00 R:118.00 S:29.00

Report Frequency:	Annual
EDD Information:	Report ID = 163316; Facility ID = 12572; Sample ID = 5083

Sample Point:	Well MW 36-1 (Down gradient)
Sample Point Type:	Monitoring Well
Formation:	Alluvial

Report Comments:

Chloride (CHLORIDE)										
50 ml glass or plastic container, holding time 28 days.										
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualified	EPA Method	Comments
LAB	1/1/2010	6/30/2010			0	mg/L				
LAB	7/1/2010	12/31/2010			0	mg/L				

Fecal Coliform (FECAL)										
100 ml sample must collected in a sterile Plastic or Glass container, preserved with Sodium Thiosulfate Na ₂ S ₂ O ₃ , cooled to 4 degrees and analyzed within 6 hours.										
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualified	EPA Method	Comments
LAB	1/1/2010	6/30/2010			0	Colonies/100m				
LAB	7/1/2010	12/31/2010			0	Colonies/100m				

Nitrogen, Ammonia (N_NH3)										
250 ml glass or plastic container, cool to 4 degrees, preserve with 5ml, 50% Sulfuric Acid or equivalent. Centigrade, holding time 28 days										
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualified	EPA Method	Comments
LAB	1/1/2010	6/30/2010			0	mg/L				
LAB	7/1/2010	12/31/2010			0	mg/L				

Nitrate (NO3)										
250 ml glass or plastic container, preserve with 5ml, 50% Sulfuric Acid or equivalent to pH or 2 or less.										
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualified	EPA Method	Comments
LAB	1/1/2010	6/30/2010			0	mg/L				
LAB	7/1/2010	12/31/2010			0	mg/L				

Total Volume Injected for the Wellfield (IVFac-tot-vol)							
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2010	6/30/2010			0		
FLD	7/1/2010	12/31/2010			0		

Static Water Depth Measured From the Casing Elevation (SWL_DEPTH)							
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2010	6/30/2010			0		
FLD	7/1/2010	12/31/2010			0		

Elevation of the Static Water (SWL_ELEV)							
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2010	6/30/2010			0		
FLD	7/1/2010	12/31/2010			0		

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

STATE OF WYOMING
CLASS V LARGE CAPACITY SEPTIC (5E) GROUNDWATER MONITORING
DEPARTMENT OF ENVIRONMENTAL QUALITY
REPORTING FORM FOR CLASS INJECTION WELLS

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

Company Name:	North Star Utility Company
Contact Person:	MICHAEL HALPIN
Phone Number:	307-739-9090
Company Address:	330 N. Glenwood Street Jackson, WY 83001
Facility Name:	Septic System Phase II
Facility Number:	WYS-023-00084
Permit Number:	07-110
Legal Location:	T:37.00 R:118.00 S:29.00

Report Frequency:	Annual
EDD Information:	Report ID = 163317; Facility ID = 12572; Sample ID = 5082

Sample Point:	Well MW 176-1 (Upgradient)
Sample Point Type:	Monitoring Well
Formation:	Alluvial

Report Comments:

Chloride (CHLORIDE)

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

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualification	EPA Method	Comments
LAB	1/1/2010	6/30/2010			0	mg/L				
LAB	7/1/2010	12/31/2010			0	mg/L				

Fecal Coliform (FECAL)

100 ml sample must collected in a sterile Plastic or Glass container, preserved with Sodium Thiosulfate Na₂S₂O₃, cooled to 4 degrees and analyzed within 6 hours.

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualification	EPA Method	Comments
LAB	1/1/2010	6/30/2010			0	Colonies/100ml				
LAB	7/1/2010	12/31/2010			0	Colonies/100ml				

Nitrogen, Ammonia (N_NH3)

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

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualification	EPA Method	Comments
LAB	1/1/2010	6/30/2010			0	mg/L				
LAB	7/1/2010	12/31/2010			0	mg/L				

Nitrate (NO3)

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

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualification	EPA Method	Comments
LAB	1/1/2010	6/30/2010			0	mg/L				
LAB	7/1/2010	12/31/2010			0	mg/L				

~~Total Volume Injected for the Wellfield (IVFac-tot-vol)~~

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2010	6/30/2010			0		
FLD	7/1/2010	12/31/2010			0		

Only need to fill this out once.

Static Water Depth Measured From the Casing Elevation (SWL_DEPTH)

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2010	6/30/2010			0		
FLD	7/1/2010	12/31/2010			0		

Elevation of the Static Water (SWL_ELEV)

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2010	6/30/2010			0		
FLD	7/1/2010	12/31/2010			0		

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

STATE OF WYOMING
CLASS V LARGE CAPACITY SEPTIC (5E) GROUNDWATER MONITORING
DEPARTMENT OF ENVIRONMENTAL QUALITY
REPORTING FORM FOR CLASS INJECTION WELLS

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

Company Name:	North Star Utility Company
Contact Person:	MICHAEL HALPIN
Phone Number:	307-739-9090
Company Address:	330 N. Glenwood Street Jackson, WY 83001
Facility Name:	Septic System Phase II
Facility Number:	WYS-023-00084
Permit Number:	07-110
Legal Location:	T:37.00 R:118.00 S:29.00

Report Frequency:	Annual
EDD Information:	Report ID = 163318; Facility ID = 12572; Sample ID = 5376

Sample Point:	Well MW 90-1 (Downgradient)
Sample Point Type:	Monitoring Well
Formation:	Alluvial

Report Comments:

Chloride (CHLORIDE)										
50 ml glass or plastic container, holding time 28 days.										
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2010	6/30/2010			0	mg/L				
LAB	7/1/2010	12/31/2010			0	mg/L				

Fecal Coliform (FECAL)										
100 ml sample must collected in a sterile Plastic or Glass container, preserved with Sodium Thiosulfate Na ₂ S ₂ O ₃ , cooled to 4 degrees and analyzed within 6 hours.										
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2010	6/30/2010			0	Colonies/100m				
LAB	7/1/2010	12/31/2010			0	Colonies/100m				

Nitrogen, Ammonia (N_NH3)										
250 ml glass or plastic container, cool to 4 degrees, preserve with 5ml, 50% Sulfuric Acid or equivalent. Centrigade, holding time 28 days										
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2010	6/30/2010			0	mg/L				
LAB	7/1/2010	12/31/2010			0	mg/L				

Nitrate (NO3)										
250 ml glass or plastic container, preserve with 5ml, 50% Sulfuric Acid or equivalent to pH or 2 or less.										
Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Detect Flag	Qualifier	EPA Method	Comments
LAB	1/1/2010	6/30/2010			0	mg/L				
LAB	7/1/2010	12/31/2010			0	mg/L				

~~Total Volume Injected for the Wellfield (IVFac-tot-vol)~~

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2010	6/30/2010			0		
FLD	7/1/2010	12/31/2010			0		

Only need to fill out once.

Static Water Depth Measured From the Casing Elevation (SWL_DEPTH)

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2010	6/30/2010			0		
FLD	7/1/2010	12/31/2010			0		

Elevation of the Static Water (SWL_ELEV)

Data Type	Sample Period Start	Sample Period End	Sample Date	Sample Value	Permit Limit	Units	Comments
FLD	1/1/2010	6/30/2010			0		
FLD	7/1/2010	12/31/2010			0		

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



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

PERMIT NO. **10-014**
REFERENCE PERMIT NO. 06-817

ANTELOPE POD: P58-79-2011

This permit hereby authorizes the applicant:

JM Huber Corp.
Attn.: Mr. Ralph Schofield
2266 N. Main St.
Sheridan, WY 82801

to have installed three (3) compliance monitoring wells according to the procedures and conditions of the application number 10-014. The wells are proximal to the on channel coalbed methane produced water impoundment located in Township 58N, Range 79W, Section 20 in the county of Sheridan, 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:

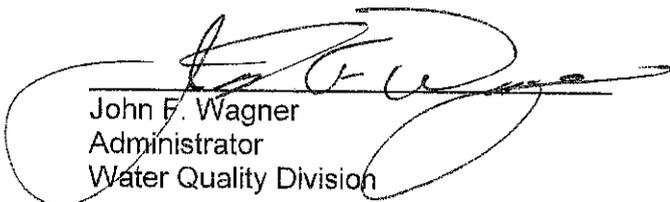
- 1 of 4 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/Water Quality Division, Groundwater Section, 1866 South Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213, in accordance with the provisions of Section 11, Chapter 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 4 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 when discharge to each impoundment covered under this permit commences.
- 3 of 4 **Monitoring Requirements:**
Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a quarterly basis until further notice and shall include the following information:
 - Measurement of static water level in all monitoring wells: MW58-79-2011, MW58-79-2011A and MW58-79-2011B;
 - Sampling and analysis of groundwater at down-gradient well: MW58-79-2011A;
 - The parameters listed in the table below are required for groundwater compliance monitoring beneath the listed impoundment:

P58-70-2011		
Parameter	MW58-79-2011A Background Value (mg/L) (01/12/2006)	Class III Water Quality Standards (mg/L)
Arsenic	0.0182	0.2
Selenium	ND	0.05
Sulfate	1390	3000
TDS	2990	5000
pH	7.1	6.5 – 8.5 (s.u)

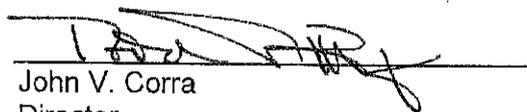
- Reporting results of quarterly monitoring and sampling are due to the department by January 15th, April 15th, July 15th, and October 15th of each year;
- If the initial discharge into the impoundment has not occurred by the quarterly report date, a groundwater compliance sample is not required for that quarterly period. The operator shall notify the DEQ that discharge has not occurred;

- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
 - The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: DEQ-CBMGroundwater@WYO.GOV. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.
 - After one year of quarterly monitoring, the WDEQ will evaluate the groundwater geochemical trends and may modify the monitoring frequency requirements.
- 4 of 4 Any exceedence of the water quality standards listed above will be considered a violation of this permit. If an exceedence of groundwater standards occurs as a result of the operation of the impoundment, the WDEQ may require a more frequent monitoring schedule, further investigation of the groundwater impacts, remediation of the groundwater impacts, and cessation of discharge into the impoundment.

AUTHORIZED BY:



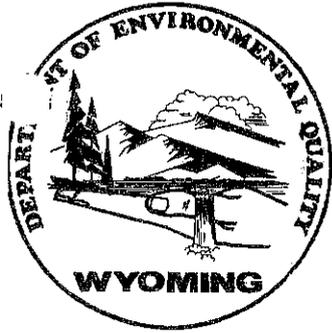
John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

2-19-10
Date of Issuance

CS/rm/10-0117



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

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

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

PERMIT NUMBER: 10-014

REFERENCE PERMIT NUMBER: 06-817

SITE (POD) NAME: Antelope POD

APPLICANT: JM Huber Corp.
Attn.: Mr. Ralph W. Schofield
2266 N. Main St.
Sheridan, WY 82801

LOCATION: Drainage: Hanging Woman Creek, tributary to
Tongue River
County: Sheridan
Township 58 North; Range 79 West, Section 20

WYPDES No: Discharge Permit: WY0052407

REVIEWING OFFICIAL: Carrie Steinhorst, North District Project Geologist

DATE OF THIS REVIEW: January 31, 2010

ACTION: Compliance Monitoring Plan authorized for Antelope POD pursuant to conditions on permit # 10-014. This action transfers the compliance monitoring plan for the impoundment P58-79-2011 from an existing permit 06-817 held by St. Mary Land and Exploration Co. to 10-014 held by JM Huber Corp.

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Hanging Woman Creek, tributary to Tongue River

Groundwater Classification:

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

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

Table 1. Basis for Ground Water Classification by impoundment Name covered under Permit 10-014

Impoundment Name	Compliance Monitoring Well	Sulfate (mg/l)	TDS (mg/l)
P58-79-2011	MW58-79-2011A	1390	2990

Description of Hydrogeology:

Impoundment P58-79-2011 is approximately 1500 feet from Hanging Woman Creek in a dry drainage on the southwest alluvial terrace. Three groundwater monitoring wells were installed to delineate groundwater flow direction and quality. As of the date of this review, the WDEQ has no record of plugging and abandoning of any of the three wells.

Groundwater occurs beneath the impoundment in sandstone, first encountered at depths between 4638 and 4708 feet above mean sea level. Sandstone thicknesses range from 5 feet in monitoring well MW58-79-2011 to 14 feet in monitoring well MW58-79-2011B. The sandstones are correlative and confined. Static water levels are between 3656.63 in MW56-79-2011B (up-dip) to 3649.88 in MW58-78-2011A (down-dip) – approximately 70 feet below the ground surface.

It is important to note that the groundwater gradient is to the southwest within the confined aquifer and is not hydraulically connected to Hanging Woman Creek which is northeast of the impoundment and drains to the northwest. Because of this gradient, the livestock well FR-38 is protected.

Table 2. Impoundment covered under Permit 10-014

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range	Compliance Monitoring Well
P58-79-2011	37.95	NESW	20	58N	79W	MW58-79-2011A

2.0 MONITORING AND REPORTING REQUIREMENTS

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water elevation in all monitoring wells: MW58-79-2011, MW58-79-2011A and MW58-79-2011B ;
- Sampling and analysis of groundwater at down-gradient well: MW58-79-2011A;
- The parameters listed in the table below are required for groundwater compliance monitoring beneath the listed impoundment:

P58-79-2011		
Parameter	MW58-79-2011A Background Value (mg/L) (01/12/2006)	Class III Water Quality Standards (mg/L)
Arsenic	0.0182	0.2
Selenium	ND	0.05
Sulfate	1390	3000
TDS	2990	5000
pH	7.1	6.5 – 8.5 (s.u)

- Reporting results of quarterly monitoring and sampling are due to the department by January 15th, April 15th, July 15th, and October 15th of each year;
- If the initial discharge into the impoundment has not occurred by the quarterly report date, a groundwater compliance sample is not required for that quarterly period. The operator shall notify the DEQ that discharge has not occurred;
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.

- The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: deq-cbmgroundwater@wyo.gov. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.
- After one year of quarterly monitoring, the WDEQ will evaluate the groundwater geochemical trends and may modify the monitoring frequency requirements.

END OF REVIEW

CS/rm/10-0117



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

PERMIT NO. 10-015
REFERENCE PERMIT NO. 07-067

WEST PRONG POD: P57-79-1614

This permit hereby authorizes the applicant:

JM Huber Corp.
Attn.: Mr. Ralph Schofield
2266 N. Main St.
Sheridan, WY 82801

to have installed three (3) compliance monitoring wells according to the procedures and conditions of the application number 10-015. The wells are proximal to the on channel coalbed methane produced water impoundment located in Township 57N, Range 79W, Section 16 in the county of Sheridan, 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 4 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 4 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 when discharge to each impoundment covered under this permit commences.

3 of 4 **Monitoring Requirements:**
Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a quarterly basis until further notice and shall include the following information:

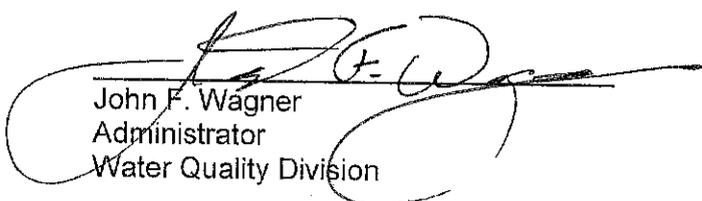
- Measurement of static water level in all monitoring wells: MW57-79-1614, MW57-79-1614A and MW57-79-1614B;
- Sampling and analysis of groundwater at down-gradient well: MW57-79-1614A;
- The parameters listed in the table below are required for groundwater compliance monitoring beneath the listed impoundment:

P57-79-1614		
Parameter	MW57-79-1614A Background Value (mg/L) (06/23/2006)	Class III Water Quality Standards (mg/L)
Arsenic	0.009	0.2
Selenium	ND	0.05
Sulfate	2490	3000
TDS	4530	5000
pH	8.2	6.5 – 8.5 (s.u)

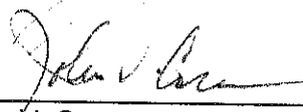
- Reporting results of quarterly monitoring and sampling are due to the department by January 15th, April 15th, July 15th, and October 15th of each year;
- If the initial discharge into the impoundment has not occurred by the quarterly report date, a groundwater compliance sample is not required for that quarterly period. The operator shall notify the DEQ that discharge has not occurred;

- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
 - The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: DEQ-CBMGroundwater@WYO.GOV. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.
 - After one year of quarterly monitoring, the WDEQ will evaluate the groundwater geochemical trends and may modify the monitoring frequency requirements.
- 4 of 4 Any exceedence of the water quality standards listed above will be considered a violation of this permit. If an exceedence of groundwater standards occurs as a result of the operation of the impoundment, the WDEQ may require a more frequent monitoring schedule, further investigation of the groundwater impacts, remediation of the groundwater impacts, and cessation of discharge into the impoundment.

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

2/25/10

Date of Issuance

CS/rm/10-0144



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

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

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

PERMIT NUMBER: 10-015

REFERENCE PERMIT NUMBER: 07-067

SITE (POD) NAME: West Prong POD: P57-79-1614

APPLICANT: JM Huber Corp.
Attn.: Mr. Ralph W. Schofield
2266 N. Main St.
Sheridan, WY 82801

LOCATION: Drainage: Middle Prong Hanging Woman Creek,
tributary to Tongue River
County: Sheridan
Township 57 North; Range 79 West

WYPDES No: Discharge Permit: WY0052407

REVIEWING OFFICIAL: Carrie Steinhorst, North District Project Geologist

DATE OF THIS REVIEW: January 30, 2010

ACTION: Compliance Monitoring Plan authorized for West Prong POD pursuant to conditions on permit # 10-015. This action transfers the compliance monitoring plan for the impoundment P57-79-1614 from an existing permit 07-067 held by St. Mary Land and Exploration Co. to 10-015 held by JM Huber Corp.

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Middle Prong Hanging Woman Creek, tributary to Tongue River

Groundwater Classification:

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

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

Table 1. Basis for groundwater classification by impoundment name covered under Permit 10-015

Impoundment Name	Compliance Monitoring Well	Sulfate (mg/l)	TDS (mg/l)
P57-79-1614	MW57-79-1614A	2490	4530

Description of Hydrogeology:

The first groundwater occurrences at the cited location are in thin, one to two foot thick silty sandstones. Correlation is questionable due to the heterogeneity of the units. Depths to the sandstones coincide with the first occurrence of groundwater. As of the date of this review, the WDEQ has no record of plugging and abandoning of any of the three wells.

Table 2. Aquifer parameters near impoundment P57-79-1614

Well Name	Aquifer Depth (ft. bgs)	Aquifer Elevation (ft. amsl)	Static Water Level (ft. bgs)	Static Water Elevation (ft. amsl)
MW57-79-1614	76	3807	42.91	3829.859
MW57-79-1614A (down-gradient)	80	3798	51.41	3817.113
MW57-79-1614B	74	3819	58.77	3832.767

Table 3. Impoundment covered under Permit 10-015

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range	Compliance Monitoring Well
P57-79-1614	52.93	SESW	16	57N	79W	MW57-79-1614A

2.0 MONITORING AND REPORTING REQUIREMENTS

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water elevation in all monitoring wells: MW57-79-1614, MW57-79-1614A and MW57-79-1614B;
- Sampling and analysis of groundwater at down-gradient well: MW57-79-1614A;
- The parameters listed in the table below are required for groundwater compliance monitoring beneath the listed impoundment:

P57-79-1614		
Parameter	MW57-79-1614A Background Value (mg/L) (06/23/2006)	Class III Water Quality Standards (mg/L)
Arsenic	0.009	0.2
Selenium	ND	0.05
Sulfate	2490	3000
TDS	4530	5000
pH	8.2	6.5 – 8.5 (s.u)

- Reporting results of quarterly monitoring and sampling are due to the department by January 15th, April 15th, July 15th, and October 15th of each year;
- If the initial discharge into the impoundment has not occurred by the quarterly report date, a groundwater compliance sample is not required for that quarterly period. The operator shall notify the DEQ that discharge has not occurred;
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.

- The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: deq-cbmgroundwater@wyo.gov. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.
- After one year of quarterly monitoring, the WDEQ will evaluate the groundwater geochemical trends and may modify the monitoring frequency requirements.

END OF REVIEW

CS/rm/10-0144



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

PERMIT NO. 10-016

REFERENCE PERMIT NOs. 05-066 and 06-060

WEST ANTELOPE POD

This permit hereby authorizes the applicant:

JM Huber Corp.
Attn: Mr. Ralph Schofield
2266 N. Main St.
Sheridan, WY 82801

to have installed ten (10) compliance monitoring wells according to the procedures and conditions of the application number 10-016. The wells are proximal to the on channel coalbed methane produced water impoundments located in Township 58N, Range 80W, Section 24, 27 and 36 in the county of Sheridan, 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 4 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 4 Monitoring Requirements:

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a semi-annual basis until further notice and shall include the following information:

- Measurement of static water elevation in all monitoring wells: MW58-80-3609, MW58-80-3609A, MW58-80-3609B, MW58-80-2705, MW58-80-2705A, MW58-80-2705B, and MW58-80-2412, MW58-80-2412A, MW58-80-2412B, and MW58-80-2412C;
- Sampling and analysis of groundwater at down-gradient wells: MW58-80-3609, MW58-80-2705 and MW58-80-2412C;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

P58-80-3609

Parameter	MW58-80-3609 Background Value (mg/L) (12/02/2004)	Class III Water Quality Standards (mg/L)
Arsenic	0.002	0.2
Selenium	ND	0.05
Sulfate	2260	3000
TDS	3560	5000
pH	7.6	6.5 – 8.5 (s.u)

P58-80-2705

Parameter	MW58-80-2705 Background Value (mg/L) (12/02/2004)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1150	3000
TDS	2320	5000
pH	7.1	6.5 – 8.5 (s.u)

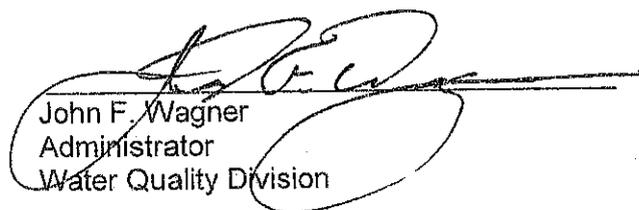
P58-80-2412

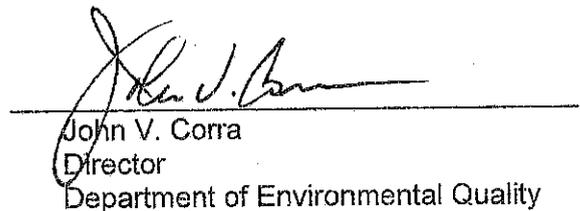
Parameter	MW58-80-2412C Background Value (mg/L) (12/13/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.003	0.2
Selenium	ND	0.05
Sulfate	1240	3000
TDS	2840	5000
pH	7.7	6.5 – 8.5 (s.u)

- Reporting results of semi-annual monitoring and sampling are due to the department by April 15th and October 15th of each year. Samples may be collected at any time during the reporting period, but must be scheduled such that sampling events occur approximately six months apart.
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.

- The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: DEQ-CBMGroundwater@WYO.GOV. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.
- 3 of 4 The WDEQ may require a more frequent sampling schedule based on results of groundwater monitoring data analyses.
- 4 of 4 Any exceedence of the water quality standards listed above will be considered a violation of this permit. If an exceedence of groundwater standards occurs as a result of the operation of the impoundment, the WDEQ may require a more frequent monitoring schedule, further investigation of the groundwater impacts, remediation of the groundwater impacts, and cessation of discharge into the impoundment.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

3/11/10
Date of Issuance

CS/rm/10-0175



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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1866 South Sheridan Avenue
Sheridan, WY 82801
Phone: 307-673-9337

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

PERMIT NUMBER: 10-016

REFERENCE PERMIT NUMBERS: 05-066 and 06-060

SITE (POD) NAME: West Antelope POD

APPLICANT: JM Huber Corp.
Attn.: Mr. Ralph W. Schofield
2266 N. Main St.
Sheridan, WY 82801

LOCATION: Drainages:
Waddle Creek and Road Draw, tributaries to
Hanging Woman Creek, tributary to Tongue River
County: Sheridan
Township 58 North; Range 80 West

WYPDES No: Discharge Permit: WY0052407

REVIEWING OFFICIAL: Carrie Steinhorst, North District Project Geologist

DATE OF THIS REVIEW: January 30, 2010

ACTION: Compliance Monitoring Plan authorized for West Antelope POD pursuant to conditions on permit # 10-016. This action transfers the compliance monitoring plan for the West Antelope POD impoundments from existing permits 05-066 and 06-060 held by St. Mary Land and Exploration Co. to 10-016 held by JM Huber Corp.

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Waddle Creek and Road Draw, tributaries to Hanging Woman Creek, tributary to Tongue River

Groundwater Classification:

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

Basis for Classification: Laboratory analysis of groundwater indicates ambient water quality meets Water Quality Rules and Regulations Chapter 8 Class III standards and exceeds both Class I and Class II standards for sulfate and/or total dissolved solids (Table 1- Chapter 8).

Table 1. Basis for groundwater classification by impoundment name covered under Permit 10-016

Impoundment Name	Compliance Monitoring Well	Sulfate (mg/l)	TDS (mg/l)
P58-50-3609	MW58-80-3609	2260	3560
P58-80-2705	MW58-80-2705	1150	2320
P58-80-2412	MW58-80-2412C	1240	2840

Description of Hydrogeology: P58-50-3609 and P58-80-2705

Based on geologist's logs, groundwater occurs in coal and sand stringers approximately 60 to 130 feet below ground surface. The groundwater gradient is to the northeast at the P58-80-3609 pit and to the southwest at the P58-80-2705 pit.

P58-80-2412

Four wells were completed around the P58-60-2412. All wells were completed in a coal aquifer that appears to be continuous beneath the impoundment. The aquifer is confined with groundwater flow direction to the south, opposite the topographic gradient. Monitoring well MW58-80-2412C is located approximately 50 feet to the south of the impoundment in the direction of groundwater flow.

As of the date of this review, the WDEQ has no record of plugging and abandoning of any of the associated wells.

No other domestic, agricultural or livestock wells are noted in the immediate area. No seeps or springs are noted in the immediate area.

Table 3. Impoundments covered under Permit 10-016

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range	Compliance Monitoring Well
P58-80-3609	71	SENE	36	58N	80W	MW58-80-3609
P58-80-2705	78	SWNW	27	58N	80W	MW58-80-2705
P58-80-2412	40	NWSW	24	58N	80W	MW58-80-2412C

2.0 MONITORING AND REPORTING REQUIREMENTS

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundments shall be performed on a semi-annual basis until further notice and shall include the following information:

- Measurement of static water elevation in all monitoring wells: MW58-80-3609, MW58-80-3609A, MW58-80-3609B, MW58-80-2705, MW58-80-2705A, MW58-80-2705B, and MW58-80-2412, MW58-80-2412A, MW58-80-2412B, and MW58-80-2412C;
- Sampling and analysis of groundwater at down-gradient wells: MW58-80-3609, MW58-80-2705 and MW58-80-2412C;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

P58-80-3609

Parameter	MW58-80-3609 Background Value (mg/L) (12/02/2004)	Class III Water Quality Standards (mg/L)
Arsenic	0.002	0.2
Selenium	ND	0.05
Sulfate	2260	3000
TDS	3560	5000
pH	7.6	6.5 – 8.5 (s.u)

P58-80-2705

Parameter	MW58-80-2705 Background Value (mg/L) (12/02/2004)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1150	3000
TDS	2320	5000
pH	7.1	6.5 – 8.5 (s.u)

P58-80-2412

Parameter	MW58-80-2412C Background Value (mg/L) (12/13/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.003	0.2
Selenium	ND	0.05
Sulfate	1240	3000
TDS	2840	5000
pH	7.7	6.5 – 8.5 (s.u)

- Reporting results of semi-annual monitoring and sampling are due to the department by April 15th and October 15th of each year. Samples may be collected at any time, but must be scheduled such that sampling events occur approximately six months apart;
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
- The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: deq-cbmgroundwater@wyo.gov. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.
- The WDEQ may require a more frequent sampling schedule based upon results of groundwater monitoring data analyses.

END OF REVIEW

CS/rm/10-0175



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

PERMIT NO. 10-018
REFERENCE PERMIT NOs. 05-702 and 06-196

BOX ELDER POD

This permit hereby authorizes the applicant:

JM Huber Corp.
Attn.: Mr. Ralph Schofield
2266 N. Main St.
Sheridan, WY 82801

to have installed nine (9) compliance monitoring wells according to the procedures and conditions of the application number 10-018. The facilities are proximal to the on channel coalbed methane produced water impoundments located in Township 58N, Range 78W, Section 19, and Township 58N, Range 79W, Sections 24 and 27 in the county of Sheridan, 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 7 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 7 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 when discharge to each impoundment covered under this permit commences.

3 of 7 Monitoring Requirements:

Impoundments P58-79-2712 and P58-70-2401

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundments shall be performed on a semi-annual basis until further notice and shall include the following information:

- Measurement of static water elevation in monitoring wells: MW58-79-2712, MW58-79-2401, MW58-79-2401A, MW58-79-2401B, MW58-79-2401C, MW58-79-2401D;
- Sampling and analysis of groundwater at down-gradient wells: MW58-79-2712, MW58-79-2401A, MW58-79-2401C;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

P58-79-2712

Parameter	MW58-79-2712 Background Value (mg/L) (07/12/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.002	0.2
Selenium	ND	0.05
Sulfate	1960	3000
TDS	3650	5000
pH	7.1	6.5 – 8.5 (s.u)

P58-79-2401

Parameter	MW58-79-2401A Background Value (mg/L) (10/25/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	0.2
Selenium	ND	0.05
Sulfate	888	3000
TDS	1730	5000
pH	7.6	6.5 – 8.5 (s.u)

P58-79-2401

Parameter	MW58-79-2401C Background Value (mg/L) (02-08-2006)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	0.2
Selenium	ND	0.05
Sulfate	952	3000
TDS	1880	5000
pH	7.7	6.5 – 8.5 (s.u)

- **Reporting results of semi-annual monitoring and sampling are due to the department by April 15th and October 15th of each year.** Samples may be collected at any time during the reporting period, but must be scheduled such that sampling events occur approximately six months apart;

Impoundment P58-78-1913

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water elevation in monitoring wells: MW58-78-1913, MW58-78-1913A and MW58-78-1913B;
- Sampling and analysis of groundwater at down-gradient wells: MW58-78-1913, MW58-78-1913A, MW58-78-1913B;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundment:

P58-78-1913

Parameter	MW58-78-1913 Background Value (mg/L) (08/02/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	0.2
Selenium	ND	0.05
Sulfate	2160	3000
TDS	4040	5000
pH	7.3	6.5 – 8.5 (s.u)

P58-78-1913

Parameter	MW58-78-1913A Background Value (mg/L) (10/25/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	0.2
Selenium	ND	0.05
Sulfate	1800	3000
TDS	3490	5000
pH	7.8	6.5 – 8.5 (s.u)

P58-78-1913

Parameter	MW58-78-1913B Background Value (mg/L) (10/25/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.014	0.2
Selenium	ND	0.05
Sulfate	2490	3000
TDS	4110	5000
pH	7.9	6.5 – 8.5 (s.u)

- Reporting results of quarterly monitoring and sampling are due to the department by January 15th, April 15th, July 15th, and October 15th of each year. Samples may be collected at any time during the reporting period, but must be scheduled such that sampling events occur approximately three months apart.

All Impoundments

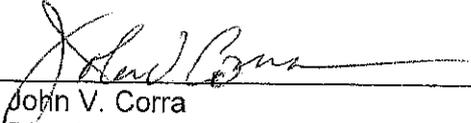
4 of 7 The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: deq-cbmgroundwater@wyo.gov. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically

(pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

- 5 of 7 If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
- 6 of 7 The WDEQ may require a more frequent sampling schedule based on results of groundwater monitoring data analyses.
- 7 of 7 Any exceedence of the water quality standards listed above will be considered a violation of this permit. If an exceedence of groundwater standards occurs as a result of the operation of the impoundment, the WDEQ may require a more frequent monitoring schedule, further investigation of the groundwater impacts, remediation of the groundwater impacts, and cessation of discharge into the impoundment.

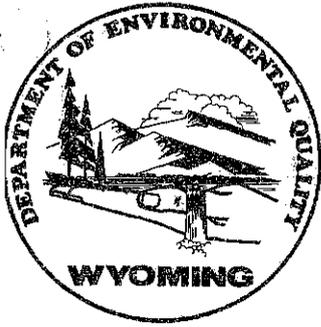
AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

3/14/10
Date of Issuance

CS/rm/10-0196



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

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

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

PERMIT NUMBER: 10-018

REFERENCE PERMIT NUMBERS: 05-702 and 06-196

SITE (POD) NAME: Box Elder POD

APPLICANT: JM Huber Corp.
Attn: Mr. Ralph W. Schofield
2266 N. Main St.
Sheridan, WY 82801

LOCATION: Drainages:
Seventysix Creek, tributary to Trail Creek, tributary
to Hanging Woman Creek, tributary to Tongue
River
County: Sheridan
Township 58 North; Range 78 West

WYPDES No: Discharge Permit: WY0052407

REVIEWING OFFICIAL: Carrie Steinhorst, North District Project Geologist

DATE OF THIS REVIEW: January 30, 2010

ACTION: Compliance Monitoring Plan authorized for Box Elder POD pursuant to conditions on permit # 10-018. This action transfers the compliance monitoring plan for the Box Elder POD impoundments from existing permits 05-702 and 06-196 held by St. Mary Land and Exploration Co. to 10-018 held by JM Huber Corp.

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Seventysix Creek, tributary to Trail Creek, tributary to Hanging Woman Creek, tributary to Tongue River

Groundwater Classification:

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

Basis for Classification: Laboratory analysis of groundwater indicates ambient water quality meets Water Quality Rules and Regulations Chapter 8 Class III standards and exceeds both Class I and Class II standards for sulfate and/or total dissolved solids (Table 1- Chapter 8).

Table 1. Basis for groundwater classification by impoundment name covered under Permit 10-018

Impoundment Name	Background Monitoring Well	Sulfate (mg/l)	TDS (mg/l)
P58-78-1913	MW58-78-1913	2160	4040
P58-79-2712	MW58-79-2712	1960	3650
P58-79-2401	MW58-79-2401	1320	2390

Description of Hydrogeology:

P58-78-1913

Impoundment P58-78-1913 is located in the Seventysix Creek drainage approximately 500 feet from the active channel and one mile from the Montana/Wyoming border. The impoundment is on a bedrock bench above the river. The three monitoring wells, down-gradient of the impoundment, are screened in bedrock with the water table at or below the bedrock/alluvial contact. The groundwater appears to be unconfined. The groundwater is class III and contains elevated levels of SAR (21.8, 30.4, & 11.4)

P58-79-2712

Impoundments P58-79-2712 is located in the alluvium of Box Elder Draw approximately 500 feet from the active channel and one and one-half miles from the Montana/Wyoming boarder. Three wells surround impoundment P58-79-2712; two are screened in bedrock and one in alluvium. Groundwater is 44 feet below ground surface (bgs) in the alluvial down-gradient well. This groundwater appears to be below the level of the stream channel. All the wells encountered class III groundwater.

P58-79-2401

Impoundment P5879-2401 is located in the alluvium of Seventysix Creek, 500 feet from the active channel and several hundred feet from the Montana/Wyoming border. The unconfined groundwater aquifer was investigated by the installation of five monitoring wells. Three of the monitoring wells are located approximately 50 feet from the impoundment and groundwater was encountered at approximately 25 feet bgs in alluvial valley fill material. Bedrock is located approximately 48 feet bgs. The groundwater is assumed to be at the same elevation as the stream channel.

Two additional wells were installed down-gradient of the impoundment at a distance of 150 feet and 350 feet, respectively. These wells confirm the direction of groundwater flow into the valley fill material.

CBM water discharged to this impoundment will infiltrate to the water table in relatively permeable alluvial material, thus has the potential to reach surface water. For this reason two wells located down gradient of the impoundment (MW58-79-2401A, and MW58-79-2401C) will be sampled for the parameters listed below. In addition to the standard compliance monitoring parameters, SAR will be monitored in these two wells due to the potential for surface water/groundwater interaction. The remaining three wells (MW58-79-2401, MW58-79-2401B, MW58-79-2401D) shall be monitored for static water level.

Table 2. Impoundments covered under Permit 10-018

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range	Compliance Monitoring Wells
P58-78-1913	21.0	SWSW	19	58N	78W	MW58-78-1913, MW58-78-1913A, MW58-78-1913B
P58-79-2712	30.8	NWSE	27	58N	79W	MW58-79-2712
P58-79-2401	10.8	NENE	24	58N	79W	MW58-79-2401A, MW58-79-2401C

2.0 MONITORING AND REPORTING REQUIREMENTS

Impoundments P58-79-2712 and P58-70-2401

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundments shall be performed on a semi-annual basis until further notice and shall include the following information:

- Measurement of static water elevation in monitoring wells: MW58-79-2712, MW58-79-2401, MW58-79-2401A, MW58-79-2401B, MW58-79-2401C, MW58-79-2401D;

- Sampling and analysis of groundwater at down-gradient wells: MW58-79-2712, MW58-79-2401A, MW58-79-2401C;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

P58-79-2712

Parameter	MW58-79-2712 Background Value (mg/L) (07/12/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.002	0.2
Selenium	ND	0.05
Sulfate	1960	3000
TDS	3650	5000
pH	7.1	6.5 – 8.5 (s.u)

P58-79-2401

Parameter	MW58-79-2401A Background Value (mg/L) (10/25/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	0.2
Selenium	ND	0.05
Sulfate	888	3000
TDS	1730	5000
pH	7.6	6.5 – 8.5 (s.u)

P58-79-2401

Parameter	MW58-79-2401C Background Value (mg/L) (02-08-2006)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	0.2
Selenium	ND	0.05
Sulfate	952	3000
TDS	1880	5000
pH	7.7	6.5 – 8.5 (s.u)

- Reporting results of semi-annual monitoring and sampling are due to the department by April 15th and October 15th of each year. Samples may be collected at any time, but must be scheduled such that sampling events occur approximately six months apart;

Impoundment P58-78-1913

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundment shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water elevation in monitoring wells: MW58-78-1913, MW58-78-1913A and MW58-78-1913B;

- Sampling and analysis of groundwater at down-gradient wells: MW58-78-1913, MW58-78-1913A, MW58-78-1913B;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundment:

P58-78-1913

Parameter	MW58-78-1913 Background Value (mg/L) (08/02/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	0.2
Selenium	ND	0.05
Sulfate	2160	3000
TDS	4040	5000
pH	7.3	6.5 – 8.5 (s.u)

P58-78-1913

Parameter	MW58-78-1913A Background Value (mg/L) (10/25/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.001	0.2
Selenium	ND	0.05
Sulfate	1800	3000
TDS	3490	5000
pH	7.8	6.5 – 8.5 (s.u)

P58-78-1913

Parameter	MW58-78-1913B Background Value (mg/L) (10/25/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.014	0.2
Selenium	ND	0.05
Sulfate	2490	3000
TDS	4110	5000
pH	7.9	6.5 – 8.5 (s.u)

- Reporting results of quarterly monitoring and sampling are due to the department by January 15th, April 15th, July 15th, and October 15th of each year. Samples may be collected at any time, but must be scheduled such that sampling events occur approximately three months apart;

All Impoundments

- The WDEQ may require a more frequent sampling schedule based upon results of groundwater monitoring data analyses.
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the

following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.

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

END OF REVIEW

CS/rm/10-0196

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 10-017

REFERENCE PERMITS NO. 08-663, 09-072, 09-119,
09-469, 09-639, 09-539

Dry Fork Station Domestic Wastewater System

This permit hereby authorizes the applicant:

Basin Electric Power Cooperative
12460 N. Hwy 59
Gillette, WY 82716

to construct, install or modify the Dry Fork Station Domestic Wastewater System, according to the procedures and conditions of the application number **10-017**. The facility is located in the SE ¼ NW ¼ of Section 24, Township 51 North, Range 72 West, Campbell County, approximately 8 miles north of Gillette, Wyoming, east of Wyoming Highway 59. 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 4

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

2 of 4

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

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

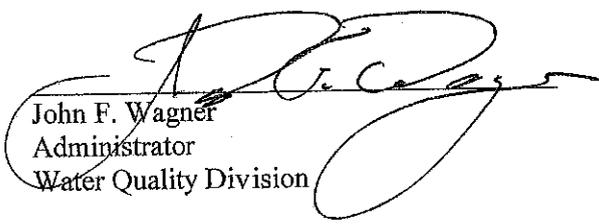
3 of 4

Within thirty days of completion of construction of the authorized facility, the Engineer of Record will submit two (2) complete copies of the Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY 82601.

4 of 4

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

4/16/10
Date of Issuance

KLF/rm/10-0315

cc: Jack Fritz, P.E. WWC Engineering, 1849 Terra Avenue, Sheridan, WY 82801
Phillip Giffin, Campbell County Public Works, 500 S. Gillette Avenue, Suite 1400, Gillette, WY 82716

STATEMENT OF BASIS

1. Permit Number: **10-017**
2. Application reviewed for compliance with the following applicable regulations :
Chapter 3 and Chapter 11 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?
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 April 16, 2010. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



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

PERMIT NO. **10-019**

REFERENCE PERMIT NO. 05-523 and 06-307

RANDALL PRONG POD

This permit hereby authorizes the applicant:

JM Huber Corp.
Attn: Mr. Ralph Schofield
2266 N. Main St.
Sheridan, WY 82801

to have installed eighteen (18) compliance monitoring wells according to the procedures and conditions of the application number **10-019**. The facilities are proximal to the on channel coalbed methane produced water impoundments located in Township 58N, Range 80W, Sections 19, 20 and 28 in the county of Sheridan, 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 5 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 5 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 when discharge to each impoundment covered under this permit commences.
- 3 of 5 Monitoring Requirements:

Impoundments P58-50-1909A, P58-80-2002 and P58-80-2803A

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundments shall be performed on a **semi-annual** basis until further notice and shall include the following information:

- Measurement of static water elevation in all monitoring wells: MW58-80-1909A, MW58-80-1909AA, MW58-80-1909AB, MW58-80-2002, MW58-80-2002A, MW58-80-2002B, MW58-80-2002C, MW-58-80-2803A, MW-58-80-2803, MW-58-80-2803A;
- Sampling and analysis of groundwater at down-gradient wells: MW58-80-1909A, MW58-80-2002C, MW-58-80-2803A;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

P58-80-1909A

Parameter	MW58-80-1909A Background Value (mg/L) (03/09/05)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1320	3000
TDS	2390	5000
pH	7.3	6.5 – 8.5 (s.u)

P58-80-2002

Parameter	MW58-80-2002C Background Value (mg/L) (08/03/05)	Class III Water Quality Standards (mg/L)
Arsenic	0.007	0.2
Selenium	ND	0.05
Sulfate	7	3000
TDS	1340	5000
pH	8.0	6.5 – 8.5 (s.u)

P58-80-2803A

Parameter	MW58-80-2803A Background Value (mg/L) (05/03/05)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1430	3000
TDS	3000	5000
pH	7.9	6.5 – 8.5 (s.u)

- **Reporting results of semi-annual monitoring and sampling are due to the department by April 15th and October 15th of each year. Samples may be collected at any time during the reporting period, but must be scheduled such that sampling events occur approximately six months apart;**

Impoundment P58-50-2012

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundments shall be performed on a **quarterly** basis until further notice and shall include the following information:

- Measurement of static water elevation in monitoring wells: MW58-80-2012A, P58-80-2012B;

- Sampling and analysis of groundwater at down-gradient wells: MW58-80-2012A, P58-80-2012B;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundment:

P58-80-2012

Parameter	MW58-80-2012A Background Value (mg/L) (05/25/05)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1290	3000
TDS	2400	5000
pH	7.3	6.5 – 8.5 (s.u)

P58-80-2012

Parameter	MW58-80-2012B Background Value (mg/L) (06/13/05)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1320	3000
TDS	2440	5000
pH	7.2	6.5 – 8.5 (s.u)

- Reporting results of quarterly monitoring and sampling are due to the department by January 15th, April 15th, July 15th and October 15th of each year. Samples may be collected at any time, but must be scheduled such that sampling events occur approximately three months apart;

Impoundments P58-50-2811 and P58-80-2004

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundments shall be performed on a **quarterly** basis until further notice and shall include the following information:

- Measurement of static water elevation in monitoring wells: MW58-80-2811, MW58-80-2811A, MW58-80-2811B, MW58-80-2004, MW58-80-2004A, MW58-80-2004B;
- Sampling and analysis of groundwater at down-gradient wells: MW58-80-2811B, MW58-80-2004A;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

P58-80-2811

Parameter	MW58-80-2811B Background Value (mg/L) (05/26/05)	Class III Water Quality Standards (mg/L)
Arsenic	0.013	0.2
Selenium	ND	0.05
Sulfate	1230	3000
TDS	2600	5000
pH	7.9	6.5 – 8.5 (s.u)

P58-80-2004

Parameter	MW58-80-2004A Background Value (mg/L) (01/25/06)	Class III Water Quality Standards (mg/L)
Arsenic	0.035	0.2
Selenium	0.005	0.05
Sulfate	13	3000
TDS	1460	5000
pH	8.4	6.5 – 8.5 (s.u)

- **Reporting results of quarterly monitoring and sampling are due to the department by January 15th, April 15th, July 15th and October 15th of each year. Samples may be collected at any time, but must be scheduled such that sampling events occur approximately three months apart;**
- If the initial discharge into the impoundment has not occurred by the semi-annual report date, a groundwater compliance sample is not required for that semi-annual period. The operator shall notify the DEQ that discharge has not occurred;
- After one year of quarterly monitoring, the WDEQ will evaluate the groundwater geochemical trends and may modify the monitoring frequency requirements.

All Impoundments

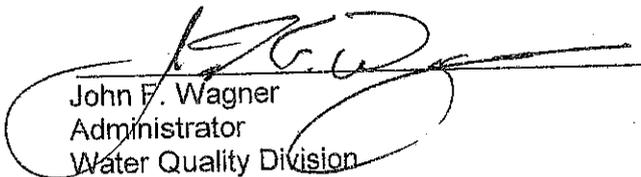
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
- The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wgd/groundwater/pollution.asp>). These data shall be submitted electronically on the

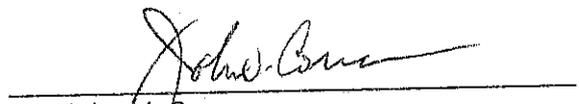
due dates established above to the following department address: deq-cbmgroundwater@wyo.gov. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

4 of 5 The WDEQ may require a more frequent sampling schedule based upon results of groundwater monitoring data analyses.

5 of 5 Any exceedence of the water quality standards listed above will be considered a violation of this permit. If an exceedence of groundwater standards occurs as a result of the operation of the impoundment, the WDEQ may require a more frequent monitoring schedule, further investigation of the groundwater impacts, remediation of the groundwater impacts, and cessation of discharge into the impoundment.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

3/14/10
Date of Issuance

CS/rm/10-0176



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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1866 South Sheridan Avenue
Sheridan, WY 82801
Phone: 307-673-9337

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

PERMIT NUMBER: 10-019

REFERENCE PERMIT NUMBERS: 05-523 and 06-307

SITE (POD) NAME: Randall Prong POD

APPLICANT: JM Huber Corp.
Attn.: Mr. Ralph W. Schofield
2266 N. Main St.
Sheridan, WY 82801

LOCATION: Drainages:
Waddle Creek, tributary to Hanging Woman Creek,
tributary to Tongue River
County: Sheridan
Township 58 North; Range 80 West

WYPDES No: Discharge Permit: WY0052407

REVIEWING OFFICIAL: Carrie Steinhorst, North District Project Geologist

DATE OF THIS REVIEW: January 28, 2010

ACTION: Compliance Monitoring Plan authorized for Randall Prong POD pursuant to conditions on permit # 10-019. This action transfers the compliance monitoring plan for the Randall Prong POD impoundments from existing permits 05-523 and 06-307 held by St. Mary Land and Exploration Co. to 10-019 held by JM Huber Corp.

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Waddle Creek, tributary to Hanging Woman Creek,
tributary to Tongue River

Groundwater Classification:

Class 1 (domestic) _____
Class 2 (agricultural) _____
Class 3 (livestock) 6

Basis for Classification: Laboratory analysis of groundwater indicates ambient water quality meets Water Quality Rules and Regulations Chapter 8 Class III standards and exceeds both Class I and Class II standards for sulfate and/or total dissolved solids (Table 1- Chapter 8).

Table 1. Basis for groundwater classification by impoundment name covered under Permit 10-019

Impoundment Name	Background Monitoring Well	Sulfate (mg/l)	TDS (mg/l)
P58-80-1909A	MW58-80-1909A	1320	2320
P58-80-2012	MW58-80-2012B	1320	2440
P58-80-2002	MW58-80-2002C	7	1340
P58-80-2803	MW58-80-2803A	1430	3000
P58-80-2811	MW58-80-2811B	1230	2600
P58-80-2004	MW58-80-2004A	13	1460

Table 3. Impoundments covered under Permit 10-019

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range	Compliance Monitoring Well(s)
P58-80-1909A	30	NESE	19	58	80	MW58-80-1909A
P58-80-2012	75	NWSW	20	58	80	MW58-80-2012A MW58-80-2012B
P58-80-2002	34	NWNE	20	58	80	MW58-80-2002C
P58-80-2803	51	NENW	28	58	80	MW58-80-2803A
P58-80-2811	28	NESW	28	58	80	MW58-80-2811B
P58-80-2004	28	NWNW	20	58	80	MW58-80-2004A

2.0 MONITORING AND REPORTING REQUIREMENTS

Impoundments P58-50-1909A, P58-80-2002 and P58-80-2803A

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundments shall be performed on a semi-annual basis until further notice and shall include the following information:

- Measurement of static water elevation in all monitoring wells: MW58-80-1909A, MW58-80-1909AA, MW58-80-1909AB, MW58-80-2002, MW58-80-2002A, MW58-80-2002B, MW58-80-2002C, MW-58-80-2803A, MW-58-80-2803, MW-58-80-2803A;
- Sampling and analysis of groundwater at down-gradient wells: MW58-80-1909A, MW58-80-2002C, MW-58-80-2803A;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

P58-80-1909A

Parameter	MW58-80-1909A Background Value (mg/L) (03/09/05)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1320	3000
TDS	2390	5000
pH	7.3	6.5 – 8.5 (s.u)

P58-80-2002

Parameter	MW58-80-2002C Background Value (mg/L) (08/03/05)	Class III Water Quality Standards (mg/L)
Arsenic	0.007	0.2
Selenium	ND	0.05
Sulfate	7	3000
TDS	1340	5000
pH	8.0	6.5 – 8.5 (s.u)

P58-80-2803A

Parameter	MW58-80-2803A Background Value (mg/L) (05/03/05)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1430	3000
TDS	3000	5000
pH	7.9	6.5 – 8.5 (s.u)

- Reporting results of semi-annual monitoring and sampling are due to the department by April 15th and October 15th of each year. Samples may be

collected at any time, but must be scheduled such that sampling events occur approximately six months apart;

Impoundment P58-50-2012

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundments shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water elevation in monitoring wells: MW58-80-2012A, P58-80-2012B;
- Sampling and analysis of groundwater at down-gradient wells: MW58-80-2012A, P58-80-2012B;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundment:

P58-80-2012

Parameter	MW58-80-2012A Background Value (mg/L) (05/25/05)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1290	3000
TDS	2400	5000
pH	7.3	6.5 – 8.5 (s.u)

P58-80-2012

Parameter	MW58-80-2012B Background Value (mg/L) (06/13/05)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1320	3000
TDS	2440	5000
pH	7.2	6.5 – 8.5 (s.u)

- Reporting results of quarterly monitoring and sampling are due to the department by January 15th, April 15th, July 15th and October 15th of each year. Samples may be collected at any time, but must be scheduled such that sampling events occur approximately three months apart;

Impoundments P58-50-2811 and P58-80-2004

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundments shall be performed on a quarterly basis until further notice and shall include the following information:

- Measurement of static water elevation in monitoring wells: MW58-80-2811, MW58-80-2811A, MW58-80-2811B, MW58-80-2004, MW58-80-2004A, MW58-80-2004B;
- Sampling and analysis of groundwater at down-gradient wells: MW58-80-2811B, MW58-80-2004A;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundments:

P58-80-2811

Parameter	MW58-80-2811B Background Value (mg/L) (05/26/05)	Class III Water Quality Standards (mg/L)
Arsenic	0.013	0.2
Selenium	ND	0.05
Sulfate	1230	3000
TDS	2600	5000
pH	7.9	6.5 – 8.5 (s.u)

P58-80-2004

Parameter	MW58-80-2004A Background Value (mg/L) (01/25/06)	Class III Water Quality Standards (mg/L)
Arsenic	0.035	0.2
Selenium	0.005	0.05
Sulfate	13	3000
TDS	1460	5000
pH	8.4	6.5 – 8.5 (s.u)

- Reporting results of quarterly monitoring and sampling are due to the department by January 15th, April 15th, July 15th and October 15th of each year. Samples may be collected at any time, but must be scheduled such that sampling events occur approximately three months apart;
- If the initial discharge into the impoundment has not occurred by the semi-annual report date, a groundwater compliance sample is not required for that semi-annual period. The operator shall notify the DEQ that discharge has not occurred;
- After one year of quarterly monitoring, the WDEQ will evaluate the groundwater geochemical trends and may modify the monitoring frequency requirements.

All Impoundments

- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.

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

END OF REVIEW

CS/rm/10-0176



The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

April 15, 2010

Michael E. Hooper
1359 Willer Drive
Casper, WY 82604

RE: Hunting Energy Services – Lot 19 of ByPass Industrial Park – 6" Fire Line and 8"
Sanitary Sewer Service, WDEQ #10-020

Dear Mr. Hooper:

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

In addition, the following permit conditions apply:

- 1) Proper separation and isolation measures must be taken at the crossing of the new 6" fire line and the existing sanitary sewer main.
- 2) Proper handling and disposal of the wastewater from the oil/sand interceptor is required.

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

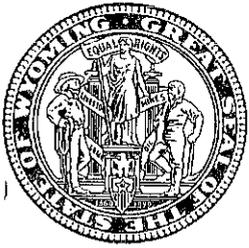
cc: Lewis James, P.E., JKC Engineering, 5830 East 2nd Street, Casper, WY 82609
Gloria Brainard, Wardwell Water and Sewer District, P.O. Box 728, Mills, WY 82644
WDEQ File, IPS

SOLID & HAZARDOUS WASTE DIVISION
(307) 473-3450
Fax: (307) 473-3458

AIR QUALITY DIVISION
(307) 473-3455
Fax: (307) 473-3458

WATER QUALITY DIVISION
(307) 473-3485
Fax: (307) 473-3458





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 11, 2010

Bruce L. Smith
904 Rifle Pit Road
Sundance, Wyoming 82729

RE: Bruce Smith: **Graywater System & Incinerating Toilet Only**, App. No. 10-021
-- NO Septic System Permitted At This Time
Location: NW¼, Section 20, T16N, R83W; Carbon County

Dear Mr. Smith:

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

1. Graywater Tank Required - a septic tank with a minimum size of at least 750 gallons shall be installed at the head end (house end) of the graywater subsurface leach line.
2. Graywater Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the tank** must be extended to the ground surface.

Septic System Plan NOT APPROVED with this Document. The septic system part of this application is not approved and restricted as follows:

- a. Plans Incomplete and Insufficient - The plans for the future septic system part of this project are incomplete and insufficient as submitted at this time.

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



- b. Percolation Test Must be Conducted - A percolation test must be conducted on the area where the proposed leachfield is to be located before any septic system permit can be approved.
- c. Separate Septic System Permit Must be Applied For - Before the septic system part of this project is constructed, a separate "Permit to Construct" application must be applied for and approved before any construction begins.

The approval granted under this Notification Of Coverage and the General Permit shall expire on March 11, 2012. Please reference Application Number 10-021 in any future correspondence.

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

Sincerely,



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

RLE/rm/10-0208

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO: 10-022

Andrews # 4 Well

This permit hereby authorizes the applicant:

Campbell County Properties LLC
319 South Gillette Ave, Ste 300
Gillette, Wyoming 82716

to drill, construct, develop, and test the Andrews # 4 Well, according to the procedures and conditions of the application number 10-022. The project is located in NE/SW Sec 24 T49N R72W, in the county of Campbell, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed within one year of issuance.

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

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

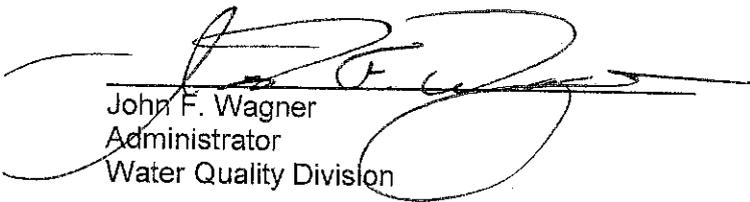
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

- 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

1/12/10
Date of Issuance

JDL/rm/10-0036

cc: WDEQ Casper Field Office

STATEMENT OF BASIS

1. Permit Number: 10-022
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 January 11, 2010. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."



The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

January 13, 2010

Roger and Bonnie Ballou
266 Government Canyon Road
Hulett, WY 82720

RE: Ballou Small Residential Wastewater System, Crook County
Location: E ½, NW ¼, Section 6, Township 56N, Range 64W; Permit # 10-023

Dear Mr. and Mrs. Ballou:

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 condition applies:

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.
3. The septic tank must be 50 feet from any waterway including drainage ditches, creeks, and ponds. Further, the sewer outlet pipe from the house to the septic tank will be on the North side of the house.

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.** Please contact me with questions at (307) 777-6941.

Sincerely,

Suzanne Engels
Suzanne Engels
WDEQ/WQD

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

SOLID & HAZARDOUS WASTE DIVISION
(307) 473-3450
Fax: (307) 473-3458

AIR QUALITY DIVISION
(307) 473-3455
Fax: (307) 473-3458

WATER QUALITY DIVISION
(307) 473-3465
Fax: (307) 473-3458





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

PERMIT NO. 10-024

REFERENCE PERMIT NO. 05-702

BOX ELDER POD, Phase II

This permit hereby authorizes the applicant:

JM Huber Corp.
Attn.: Mr. Ralph Schofield
2266 N. Main St.
Sheridan, WY 82801

to have installed three (3) compliance monitoring wells according to the procedures and conditions of the application number 10-024. The wells are proximal to the on channel coalbed methane produced water impoundments located in Township 58N, Range 79W, Section 27 in the county of Sheridan, 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 4 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 4 **Monitoring Requirements:**
Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundments shall be performed on a semi-annual basis until further notice and shall include the following information:
 - Measurement of static water elevation in all monitoring wells: MW58-79-2710, MW58-79-2710A, MW58-79-2710B;
 - Sampling and analysis of groundwater at down-gradient wells: MW58-79-2710, MW58-79-2710B;
 - The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundment:

P58-79-2710

Parameter	MW58-79-2710 Background Value (mg/L) (07/12/2005)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1880	3000
TDS	3410	5000
pH	6.8	6.5 – 8.5 (s.u)

P58-79-2710

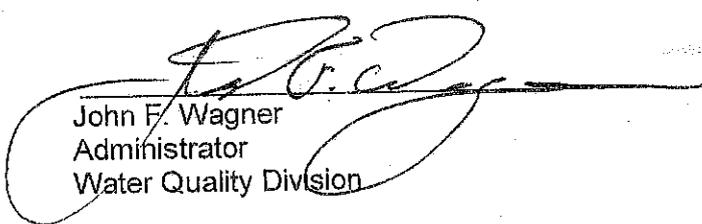
Parameter	MW58-79-2710B Background Value (mg/L) (10/26/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.003	0.2
Selenium	ND	0.05
Sulfate	1590	3000
TDS	2940	5000
pH	7.2	6.5 – 8.5 (s.u)

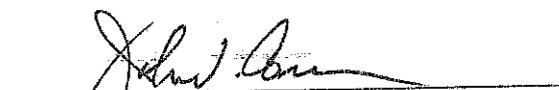
- **Reporting results of monitoring and sampling are due to the department by April 15th and October 15th of each year. Samples may be collected at any time between the reporting periods, but must be scheduled such that sampling events occur approximately six months apart;**
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.
- The analytical results for each sampling event, along with impoundment and monitor well location information must be submitted in the Excel spread sheet "Compliance Monitoring Data Reporting", which can be found on the WDEQ website at the following address: (<http://deq.state.wy.us/wqd/groundwater/pollution.asp>). These data shall be submitted electronically on the due dates established above to the following department address: deq-cbmgroundwater@wyo.gov. In addition, the accompanying analytical laboratory reports and field documentation must also be submitted either electronically (pdf format) or hard copy via mail to the WDEQ, Sheridan office at the address listed above.

3 of 4 The WDEQ may require a more frequent sampling schedule based upon the results of groundwater monitoring data analyses.

4 of 4 Any exceedence of the water quality standards listed above will be considered a violation of this permit. If an exceedence of groundwater standards occurs as a result of the operation of the impoundment, the WDEQ may require a more frequent monitoring schedule, further investigation of the groundwater impacts, remediation of the groundwater impacts, and cessation of discharge into the impoundment.

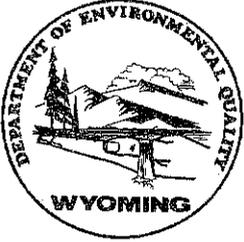
AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

3/16/10
Date of Issuance

CS/rm/10-0174



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

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
1866 South Sheridan Avenue
Sheridan, WY 82801
Phone: 307-673-9337

PERMIT TYPE: CBM: Groundwater Compliance Monitoring Program

PERMIT NUMBER: 10-024

REFERENCE PERMIT NUMBERS: 05-702

SITE (POD) NAME: Box Elder POD, Phase II
Impoundment P58-79-2710

APPLICANT: JM Huber Corp.
Attn.: Mr. Ralph W. Schofield
2266 N. Main St.
Sheridan, WY 82801

LOCATION: Drainages:
Seventysix Creek, tributary to Trail Creek, tributary
to Hanging Woman Creek, tributary to Tongue
River
County: Sheridan
Township 58 North; Range 79 West

WYPDES No: Discharge Permit: WY0052407

REVIEWING OFFICIAL: Carrie Steinhorst, North District Project Geologist

DATE OF THIS REVIEW: January 30, 2010

ACTION: Compliance Monitoring Plan authorized for Box Elder POD pursuant to conditions on permit # 10-024. This action transfers the compliance monitoring plan for the Box Elder POD, Impoundment P58-79-2701 from existing permit 05-702 held by St. Mary Land and Exploration Co. to 10-024 held by JM Huber Corp.

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Seventysix Creek, tributary to Trail Creek, tributary to Hanging Woman Creek, tributary to Tongue River

Groundwater Classification:

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

Basis for Classification: Laboratory analysis of groundwater indicates ambient water quality meets Water Quality Rules and Regulations Chapter 8 Class III standards and exceeds both Class I and Class II standards for sulfate and/or total dissolved solids (Table 1- Chapter 8).

Table 1. Basis for groundwater classification by impoundment name covered under Permit 10-024

Impoundment Name	Background Monitoring Well	Sulfate (mg/l)	TDS (mg/l)
P58-79-2710	MW58-79-2710	1880	3410

Description of Hydrogeology:

Impoundment P58-79-2710 is located in the alluvium of Box Elder Draw approximately 500 feet from the active channel and one and one-half miles from the Montana/Wyoming boarder. Three wells are located below impoundment P58-79-2710. All three are screened in bedrock directly below the alluvium. The water table is unconfined and extends into the overlying alluvium at a depth of approximately 40 feet below the impoundment. The groundwater is assumed to be at the same elevation as the stream channel. All the wells encountered class III groundwater.

Table 3. Impoundment covered under Permit 10-024

Impoundment Name	Capacity (acre/ft)	Qtr Qtr	Section	Township	Range	Compliance Monitoring Wells
P58-79-2710	31.0	NWSE	27	58N	79W	MW58-79-2710, MW58-79-2710B

2.0 MONITORING AND REPORTING REQUIREMENTS

Unless otherwise specified, monitoring and reporting of the groundwater beneath the impoundments shall be performed on a semi-annual basis until further notice and shall include the following information:

- Measurement of static water elevation in all monitoring wells: MW58-79-2710, MW58-79-2710A, MW58-79-2710B;
- Sampling and analysis of groundwater at down-gradient wells: MW58-79-2710, MW58-79-2710B;
- The parameters listed in the tables below are required for groundwater compliance monitoring beneath the listed impoundment:

P58-79-2710

Parameter	MW58-79-2710	
	Background Value (mg/L) (07/12/2005)	Class III Water Quality Standards (mg/L)
Arsenic	ND	0.2
Selenium	ND	0.05
Sulfate	1880	3000
TDS	3410	5000
pH	6.8	6.5 – 8.5 (s.u)

P58-79-2710

Parameter	MW58-79-2710B	
	Background Value (mg/L) (10/26/2005)	Class III Water Quality Standards (mg/L)
Arsenic	0.003	0.2
Selenium	ND	0.05
Sulfate	1590	3000
TDS	2940	5000
pH	7.2	6.5 – 8.5 (s.u)

- Reporting results of monitoring and sampling are due to the department by April 15th and October 15th of each year. Samples may be collected at any time, but must be scheduled such that sampling events occur approximately six months apart.
- If a groundwater monitoring event reveals a pH measurement of 6.5 or less, the DEQ may require sampling and analysis of groundwater for the following additional parameters: aluminum, boron, cadmium, chromium, copper, lead and zinc.

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

END OF REVIEW

CS/rm/10-0174



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

January 21, 2010

Lawrence Baysinger
Baysinger Trucking
2201 W 4-J Road
Gillette, WY 82718

RE: Baysinger Trucking Small Commercial Wastewater System, Campbell County
Location: Wind Dancer II Lot 5E; Permit # 10-025

Dear Mr. Baysinger:

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,

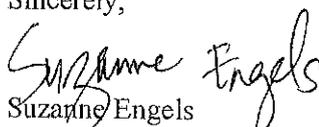
http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

Additionally, the following permit condition applies:

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 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 Engels
WDEQ/WQD

SE/rm/10-0058

cc: IPS, Cheyenne
WYDEQ Casper File
John Boniface, Campbell County, 500 S Gillette Ave, Ste 1400, Gillette, WY 82716
Kenneth Peters, Consolidated Engineers, 316 S Gillette Ave, Gillette, WY 82716

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

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



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

February 25, 2010

David G. Westling, Assistant City Engineer
City of Green River
50 E 2nd N
Green River, WY 82901

RE: City of Green River - 2010 Crossbow Utility Project 10-026R, Lat 41.50, Lon 109.47,
Sweetwater County

Dear Mr. Westling:

The above application for coverage under General Permits to Construct, replacement and/or modification to a public water service distribution system consisting of 1700 linear feet of 8 inch PVC water main with appurtenances to be constructed in accordance with Chapter 3, Section 7, 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 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,

Perry Roberson
Project Engineer
Water Quality Division

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

xc: IPS, Cheyenne

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

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

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

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

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

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





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

January 22, 2010

Wyoming Premium Farms, LLC
PO Box 457
Wheatland WY 82201

RE: Sewer Line Extension, Site 60
Application No. **10-027**, Platte County

Dear People:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of an Existing Sewage Collection System described as sewer line extensions, located in SE ¼ Section 36 T25N R67W, Platte County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by January 22, 2015.

Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. **10-027** in any future correspondence.

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

Sincerely,

Louis B. Harmon PE-PG
Water and Wastewater Program Manager
Water Quality Division

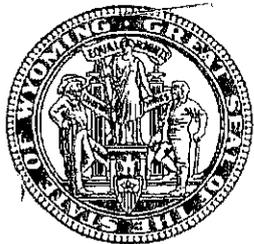
LBH/rm/10-0061

cc: IPS, Cheyenne
Ryan Rigg, AVI Engineering, 1103 Old Town Lane, Cheyenne, WY 82009

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

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



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

January 28, 2010

Mickey Simmons, Director of Public Works
City of Lander
240 Lincoln Street
Lander, WY 82520

RE: Lander Water Building water supply. DEQ Permit #10-028, Fremont County, SE ¼, Section 18, T 33N, R 99W, 6th P.M.

Dear Mr. Simmons:

This project consists of the modification of the existing 6-inch water main supplying water to the Lander Water Building for the purpose of dispensing water to commercial and individual users, and the reconstruction of approximately 35 linear feet of 6-inch and/or ductile iron pipe and building supply piping.

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
Terry Zenk P.E., Apex Surveying, Inc. P.O. Box 1751, Riverton, WY 82501

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

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

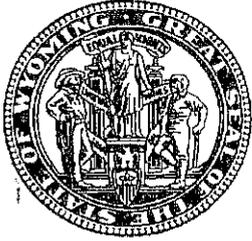
AIR QUALITY
(307) 332-6755
FAX 332-7726

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

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

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





Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

February 22, 2010

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

RE: Rock Springs - Palisades Area & Elk Street Water Main Replacements - Permit Number, 10-029, Palisades Area Sections 1, 2 & 35, T18N, R105W, Elk Street Sections 23 & 26, T19N, R105W, Sweetwater County

Dear Mr. Kauchich:

The above application for coverage under a General Permit to Construct, the replacement of a public water distribution system consisting of about 785 linear feet (LF) of 12-inch, 5822 LF of 8-inch and 140 LF of 6-inch watermains plus various fire hydrants 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,

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

PDF: IPS

xc: Shawn M. Arnoldi, P.E., Choice Engineering Services, Inc., 404 N. Street, Rock Springs, WY 82901



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 10-030RR

Thermopolis Water Storage Tanks and Booster Pump Station
PWS #WY5600056

This permit hereby authorizes the applicant:

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

to construct two 0.256 million-gallon storage tanks and to install three PRV stations, more than 12,000 linear feet of 8-inch and 10-inch water lines, a booster pump station, and a SCADA system based at the water treatment plant, according to the procedures and conditions of the application number 10-030RR. The Roundtop Tanks will replace storage volume in the old Arapahoe Tank and will also provide it at a higher elevation to serve the upper pressure zone as well as Owl Creek District. This project is located at South ½, Section 26, Section 35, and NW ¼, Section 36 of Township 43 North and Range 95 West. All construction, installation, or modification allowed by this permit shall be completed by April 30, 2015.

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

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

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

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

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

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

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

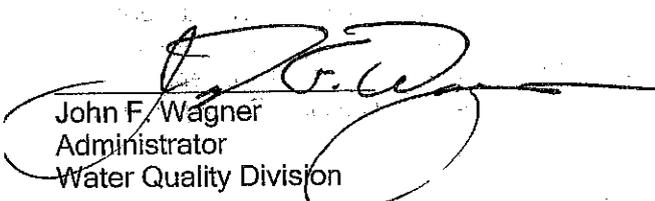
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

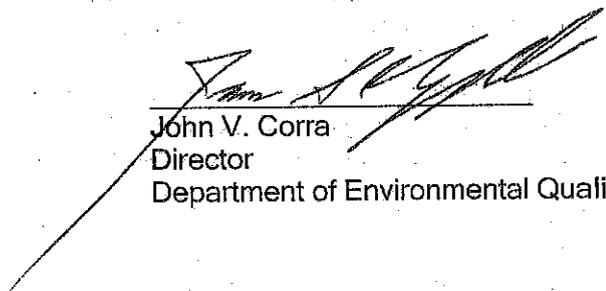
- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Dr., Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter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

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

5-4-10
Date of Issuance

JSB/rm/10-0353

STATEMENT OF BASIS

1. Permit Number: 10-030RR
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above? Yes
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James Brough, jbroug@state.wy.us, Northwest District Engineer and completed on April 28, 2010. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

xc: Heath Overfield, P.E., Engineering Associates, 429 Broadway, Thermopolis, WY 82443

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WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 10-031

REFERENCE PERMITS NO. N/A

North Lift Station and Water, Sewer and Road Improvements

This permit hereby authorizes the applicant:

Dan Miller
City of Sheridan
55 East Grinnell Avenue
Sheridan, WY 82801

to construct, install or modify the North Lift Station and Water, Sewer, and Road Improvements, according to the procedures and conditions of the application number 10-031. The facility is located in the SW ¼ of Section 15, Township 56 North, Range 84 West, further located in the City of Sheridan, Wyoming. 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 and discharge requirements. Compliance with applicable standards remains the responsibility of the permittee.

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

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

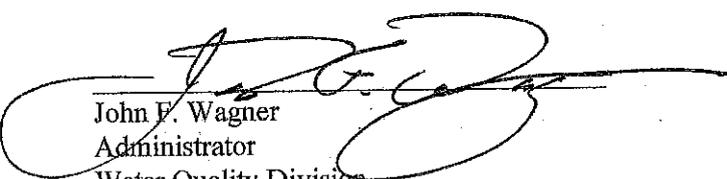
Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations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

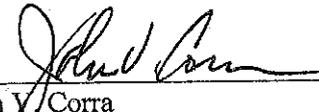
The permittee shall construct and shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or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

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

4/29/10
Date of Issuance

KLF/bb/10-0335

cc: Craig E. Habben, P.E., HDR Engineering, 6300 S. Old Village Place, Suite 100, Sioux Falls, SD 57108

STATEMENT OF BASIS

1. Permit Number: 10-031
2. Application reviewed for compliance with the following applicable regulations :
Chapter 3, Chapter 11, 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 April 23, 2010. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

KLF/bb/10-0335



Dave 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

NOTIFICATION OF COVERAGE

February 1, 2010

Doug Meyer
Teton City Sheriff's Department - Search and Rescue
P.O. Box 1885
Jackson, Wyoming

RE: Teton County Search and Rescue Emergency Operations Facility. DEQ Permit #10-032, Teton County, Lat 43d 28.508', Long -110d 47.407'

Dear Mr. Meyer,

This project consists of the installation of a small wastewater disposal system, including septic tank, leachfield, and related plumbing.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Part B 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
(No engineer to CC)

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
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(307) 332-6924
FAX 332-7726

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





Department of Environmental Quality

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Matthew H. Mead, Governor

John Corra, Director

March 24, 2011

Matrix Oilfield Services, LLC
Attn: Mr. Fred C. Bryla, Vice President
5725 Commonwealth Blvd
Sugarland, TX 77479

RE: Permit Application 10-033, Riehle #11
Class I Non-Hazardous Injection Well, Converse County

Dear Mr. Bryla:

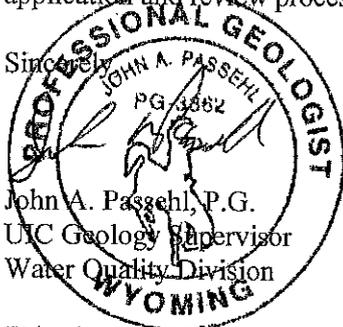
Attached, please find comments developed by the Wyoming Department of Environmental Quality (WDEQ) with respect to the content and adequacy of the Wyoming Water Quality Rules and Regulations, Chapter 13, Class I permit application.

The WDEQ received this application on January 27, 2010 and has until March 27, 2010 to make an initial determination of completeness. However due to work load and UIC staffing issues we are only now able to review the application and our apologies are sincerely extended. Re-submittal of information by an applicant on an incomplete application will begin a new 60 day review process. Pursuant to Chapter 13, Section 6 during any 60 day review period where an application is determined complete, a draft permit for issuance or denial shall be prepared and a public notice provided pursuant to Chapter 13, Section 19.

Please feel free to contact me at (307) 777-5623 should you have any questions related to these comments or the application and review process.

Sincerely,

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



JP/rm/11-0288

Attachments: WDEQ Comments

cc: Gene R. George & Associates, Attn: Bonnie Percy, P.E., 111 West Second Street, Suite #400, Casper, WY 82602
Wyoming Oil and Gas Conservation Commission, Attn: Ms. Janie Nelson, P.O. Box 2640, Casper, WY 82602
Kevin Frederick, WDEQ
Jessica Wales, WDEQ



UNDERGROUND INJECTION CONTROL PROGRAM
REVIEW COMMENTS:
PLANS/SPECIFICATIONS/PROPOSALS/REPORTS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION

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

PROJECT: Application 10-033; Class I Disposal Well Riehle #II

LOCATION: Converse County

APPLICANT: Matrix Oilfield Services, LLC
Attn: Mr. Fred C. Bryla, Vice President
5725 Commonwealth Blvd
Sugarland, TX 77479

OWNER: Mr. Fred C. Bryla

CONSULTANTS:

GEOLOGIST N/A

ENGINEER Gene R. George & Associates
Attn: Bonnie Percy, P.E.,
111 West Second Street, Suite #400
Casper, WY 82602

TITLE: *"Underground Injection Control Permit Application for Class I Non-Hazardous Waste Disposal Well, Riehle #II Well Bower Field"*

PLANS SPECS PROPOSAL REPORT

DATE ON PROPOSAL/PLANS/REPORT: January 22, 2010

DATE RECEIVED BY WDEQ: January 27, 2010

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

DATE OF THIS REVIEW: March 24, 2011

ACTION: Application Incomplete; See Attached Comments

I. WDEQ Comments:

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

1. Please provide a brief synopsis of all formations between the Parkman and Madison formations with respect to potential USDWs, water quality (if known), injectivity, and other technical information that you can share with us regarding potential to inject Non-Hazardous waste into these formations underlying the Teckla. If the formations are not good candidates for injection based on permeability, porosity, or other geotechnical factors please provide this information.
2. Please provide a 'typical' baseline sample of commercial produced water that may be anticipated to be injected into this well. A produced water sample obtained from ongoing Matrix operations is acceptable. The sample should include all parameters from Wyoming Water Quality Rules and Regulations, Chapter 8, Table 1, and EPA method 624 (VOCs). **Exhibit E-3** is only a partial list of the required analytes.
3. I am not convinced that the head (W) of the lower most USDW is 50 feet below land surface nor should one use the Wasatch or Fort Union formations to obtain W (Exhibit 6) in this area. One should obtain W from the lower most USDW which could be the Lance or Fox Hills formations to calculate the AOR. Please recalculate the AOR using head from the lower most USDW. Additionally, please recalculate the AOR using all previous and cumulative injected waste volumes during operations of the well as a Class II disposal well.
4. On page 15, Section 4.1.1 of the application we require more detail regarding who, how, and when notification would be given regarding an operational malfunction regarding annulus pressures, injection pressures and volumes, or other equipment malfunctions. Additionally, how and when would the DEQ be notified?
5. On page 15, Section 4.3 of the application we require the top perforation depth to be used for calculating the limiting surface injection pressure (not the bottom perforation depth).
6. On page 16, Section 4.4.1 of the application a Part I MIT was performed for the WOGCC – holding the pressure to 500 psi. A second quarter 2010 Part I test was apparently scheduled but there are no results in the application. DEQ requirements are different for Part I and Part II MIT than from the WOGCC. Prior to the DEQ permitting this well you will need to complete and pass both Part I and Part II MITs as follows:
 - a. Part I MIT: Calculate the pressure by taking 0.25 psi/ft (x) times the length of casing measured from the top of casing to the top of packer. Hold this pressure for 30 minutes with loss of no more than 10% psig.
 - b. Part II MIT: Use a temperature log in combination with either a RAT survey or an oxygen activation log. Surveys conducted with injection are acceptable.
 - c. DEQ will require 30 days minimum notice prior to conducting the MITs. The permit applicant is required to obtain prior DEQ approval before any well repairs or workovers are conducted on the well.

7. On page 16, Section 4.4.4 please indicate if the secondary containment berms will be lined and provide calculations to ensure that they comply with EPA SPCC regulations (110% volume of the largest tank within the berm). Additionally, **Exhibit 9** indicates provisions for an 'emergency pit'. This pit will need to be permitted by our Water and Waste Water Section. Dennis Lamb would be the initial contact (473-3452).
8. The financial assurance amount for the proposed well is deemed sufficient. Please contact Jessica Wales of this Department to ensure that your financial assurance documentation (Appendix L) is correct (307-777-7082). Please ensure that the financial assurance covers the full amount identified on **Exhibit 13** of the application (\$55,200).
9. On page 18, Section 5.2.2 (and **Exhibit 1**) indicates that there are two producing oil and gas wells within the area of review for the Teckla formation. Please provide an analysis and evaluation that indicates the injection of fluids into the Teckla formation from the proposed well **will not** adversely affect continued hydrocarbon production from these wells. Additionally, please provide evidence that notification has been sent to the owners of these wells regarding your Class I injection well application.
10. Please revise **Exhibit 12** to indicate what class type of cements will be used with varying temperatures and depths of the well.
11. Please indicate whether 'foamed' cements were used below TOC at 5,712 feet.
12. A DEQ letter dated August 7, 2007 confirms the classification of groundwater within the Teckla formation (of this well) as Class VI based on Total Dissolved Solids and the presence of hydrocarbons within the Teckla.

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 10-034R

Town of Pinedale- East Water Transmission Line
PWS # 5600041

This permit hereby authorizes the applicant:

Steven Smith, Mayor
Town of Pinedale
P.O.Box 709
Pinedale, WY 82941

to replace the existing 14 and 18-inch asbestos cement waterline with 12,700 lineal feet of 24-inch mortar lined ductile iron pipe. Two pressure reducing stations and transmission line appurtances will be included according to the procedures and conditions of the application number 10-034R. The facility is located between Fremont Lake and Pinedale at Lat 42.8988, Lon -109.8385 in the county of Sublette, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by March 12, 2012.

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

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

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

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

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

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

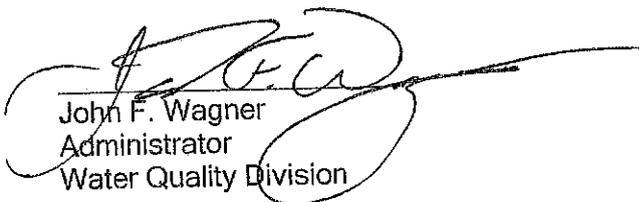
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit.

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

3-15-10
Date of Issuance

PDR/rm/10-0212

STATEMENT OF BASIS

1. Permit Number: 10-034R
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?
No. A Variance was requested to avoid inspection access by personnel every 1000 feet of the 24 inch transmission line. The basis for granting the variance under Chapter 12 Sec 5 is current technologies allowing inspections with cameras and repair procedures that preclude the need to place personnel inside the pipe. Isolation valves are proposed at sufficient intervals to permit repair and maintenance.
4. If a Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
NA.
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 March 12, 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: Mark C. Eatinger, Rio Verde Engineering, Inc. PO Box 642, Pinedale, WY 82941

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 10-035

REFERENCE PERMITS NO. N/A

Sanitary Sewer Lift Station

This permit hereby authorizes the applicant:

Johnson County/Buffalo Commerce Joint Powers Board
46 North Main Street
Buffalo, WY 82834

to construct, install or modify the Sanitary Sewer Lift Station, according to the procedures and conditions of the application number **10-035**. The facility is located in the SE ¼ of Section 25, Township 51 North, Range 82 West, further located on the east end of Buffalo, Wyoming, adjacent to US Highway 16 and Interstate 90. 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 and discharge requirements. Compliance with applicable standards remains the responsibility of the permittee.

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

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

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

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

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

1 of 4

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

2 of 4

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

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

3 of 4

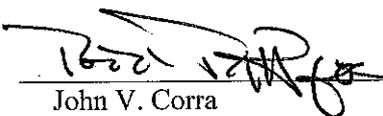
Within thirty days of completion of construction of the authorized facility, the Engineer of Record will submit two (2) complete copies of the Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY 82601.

4 of 4

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

5-27-10
Date of Issuance

KLF/rm/10-0440

cc: Keith A. Neustel, P.E., Grizzly Engineering, P.O. Box 1004, Buffalo, WY 82834
Leslie I. Hook, City of Buffalo, 46 North Main Street, Buffalo, WY 82834

STATEMENT OF BASIS

1. Permit Number: **10-035**
2. Application reviewed for compliance with the following applicable regulations:
Chapter 3 and Chapter 11 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?

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 May 25, 2010. 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

February 10, 2010

Jason Kannegieter
JW Enterprises
PO Box 1899
Gillette, WY 82716

RE: Pump Sales and Service Shop Small Commercial Wastewater System, Campbell County
Location: Champion Ventures Lot 1; 1900 Ratcliff Dr.; Permit # 10-036

Dear Mr. Kannegieter:

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 condition applies:

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 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 Engels
WDEQ/WQD

SE/rm/10-0109

cc: IPS, Cheyenne
WYDEQ Casper File
John Boniface, Campbell County, 500 S Gillette Ave, Ste 1400, Gillette, WY 82716
Corky Stetson, Stetson Engineering, PO Box 457, Gillette, WY 82717
Paintbrush Services, PO Box 4368, Gillette, WY 82717

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



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

May 11, 2010

Keith A. Neustel, P.E.
Grizzly Engineering
P.O. Box 1004
Buffalo, WY 82834

RE: Sanitary Sewer Lift Station, Buffalo, WY,
WDEQ Application #10-035

Dear Mr. Neustel:

We have completed our second review of the permit application originally submitted on February 1, 2010. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3478 should you have any questions related to these comments or the application and review process.

Sincerely,

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

Attachments: WDEQ Comments

cc: Johnson County/Buffalo Commerce Joint Powers Board, 46 North Main Street, Buffalo, WY 82834
Leslie I. Hook, Public Works Director, City of Buffalo, 46 North Main Street, Buffalo, WY 82834
IPS
WDEQ File



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

PROJECT: Sanitary Sewer Lift Station
LOCATION: City of Buffalo, Wyoming
ENGINEER: Grizzly Engineering
APPLICANT: Johnson County/Buffalo Commerce Joint Powers Board

WATER QUALITY DIVISION APPLICATION NUMBER: 10-035

DATE ON PROPOSAL/PLANS/REPORT: January 2010

DATE RECEIVED BY DEQ: February 1, 2010

DATE OF THIS REVIEW(2): May 11, 2010

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

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

WDEQ COMMENTS

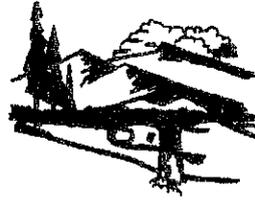
- 1) Chapter 11, Section 6(b) – Thank you for the information provided in the first response; however, it is not clear to the reviewer what areas and acreages are currently proposed to be directed to this lift station. The provided response states that the area includes developed and undeveloped land totaling 72 acres; is it possible to show these areas and acreages on the Project Vicinity Map? There are a couple of ways that this can be conveyed – one is to hatch the areas involved as well as provide information on the acreages of the lots, the second is to develop a table that describes the acreages of each subdivision and the portion that will be going to this lift

station. This will greatly assist future improvements for the area if it is clearly indicated what is being included and excluded in this project. These are merely suggestions; if a better way to demonstrate the required information is available, please provide. It would also help to show the existing lift stations and which ones are to remain in service.

- 2) Is the new manhole (MH #1) connecting to an existing sewer main? If so, please show the main size and existing invert elevation and if not, why was the main started at this location?. How is the building located on Lot 1C to be connected to the sewer main extension? The original design report stated that the lift station is designed for a flow rate of 150 gpm and the 8" gravity main will handle more than the design flows. What exactly are the design flows and how was that determined? Until the entire planned area is connected, what will be the flows into the lift station and often will the pumps run on a daily basis?
- 3) The water crossing by the force main at TW Road is not shown on the plans. Please address.
- 4) Please include the elevations on the profile view grid – Sheet 5.
- 5) Sheet 6 shows a couple of crossings of the force main with other sanitary lines – is that correct? If so, please show on the profile and comment on any issues that may need to be addressed during construction.



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

February 10, 2010

Jason Kannegieter
JW Enterprises
PO Box 1899
Gillette, WY 82716

RE: Pump Sales and Service Office Small Commercial Wastewater System, Campbell County
Location: Champion Ventures Lot 1; 1912 Ratcliff Dr.; Permit # 10-037

Dear Mr. Kannegieter:

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 condition applies:

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 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 Engels
WDEQ/WQD

SE/rm/10-0110

cc: IPS, Cheyenne
WYDEQ Casper File
John Boniface, Campbell County, 500 S Gillette Ave, Ste 1400, Gillette, WY 82716
Corky Stetson, Stetson Engineering, PO Box 457, Gillette, WY 82717
Paintbrush Services, PO Box 4368, Gillette, WY 82717

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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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WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 10-038

REFERENCE PERMITS NO. N/A

Bar Nunn Industrial Center

This permit hereby authorizes the applicant:

Rich Fairservis
Granite Peak Development
P.O. Box 51568
Casper, WY 82605

to construct, install or modify water lines, sewer lines and a lift station for the Bar Nunn Industrial Center, according to the procedures and conditions of the application number **10-038**. The facility is located in portions of Section 8 and 9, Township 34 North, Range 79 West, Lots 1 – 5 of the Bar Nunn Industrial Center, Bar Nunn, Wyoming, in the county of Natrona. 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 and discharge requirements. Compliance with applicable standards remains the responsibility of the permittee.

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

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

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

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

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

1 of 4 The applicant will provide immediate oral or written notice to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601, Phone 307-473-3465, FAX 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

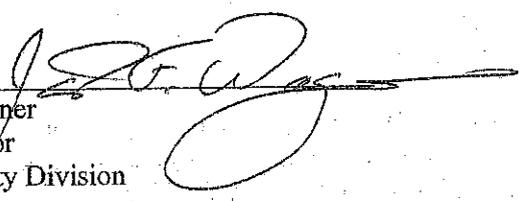
2 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.

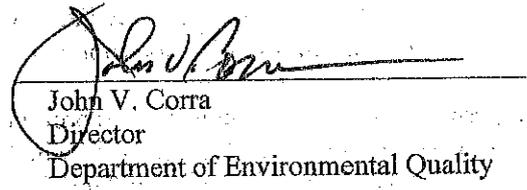
- a. Date that construction of the facility was completed; and
- b. Date that the facility was placed in operation; and
- c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
- d. Certification the facility was completed with changes or modifications.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

3 of 4 Within thirty days of completion of construction of the authorized facility, the Engineer of Record will submit two (2) complete copies of the Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY 82601.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

5/14/10
Date of Issuance

KLF/rm/10-0409

cc: Shane M. Porter, P.E., WLC Engineering, Surveying, and Planning, 200 Pronghorn, Casper, WY 82601
Barry Venn, P.E., 609 Consulting, 5830 East 2nd Street, Casper, WY 82609
Gloria Brainard, WWSD, P.O. Box 728, Mills, WY 82644
Dave Hill, City of Casper, 200 North David, Casper, WY 82601

STATEMENT OF BASIS

1. Permit Number: **10-038**
2. Application reviewed for compliance with the following applicable regulations:
Chapter 3, Chapter 11, and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?

NO – Valve spacing on the 16” line exceeds the 500’ maximum spacing for commercial areas – actual spacing is 600’ – 650’. Existing valves and main line were installed prior to this proposed project. Due to the size of the individual lots (greater than 25 acres each), the Developer will not be required to install additional 16” valves in order to meet the regulations.
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 May 14, 2010. 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

February 19, 2010

Larry and Dee Dee Phillips
417 S Summit
Newcastle, WY 82701

RE: Phillips Small Residential Wastewater System, Weston County
Location: ¼ Section NE, Section 34, Township 46N, Range 62W; Permit # 10-039

Dear Mr. and Mrs. Phillips:

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 condition applies:

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.

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 Engels
Suzanne Engels
WDEQ/WQD

SE/rm/10-0124

cc: IPS, Cheyenne
WYDEQ Casper File
Weston County Assessor, 1 West Main St., Newcastle, WY 82701 (no enclosure)

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

PROJECT: Phillips Small Residential Septic System

ENGINEER/ CONSULTANT: None

APPLICANT: Larry and DeeDee Phillips, 417 South Summit, Newcastle, WY 82701

INSTALLER: Unknown

WATER QUALITY DIVISION APPLICATION NUMBER: 10-039

REVIEWING ENGINEER: Suzanne Engels 307.777.6941 or spagor@wyo.gov *SE*

DATE OF REVIEW: February 8, 2010

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 provide the State Engineer's Office permit number for the water well.
2. Please provide the name of the subdivision where the property is located.
3. Please provide the ground slope at the location of the leachfield.
4. The proposed 1,000 gallon 2 compartment septic tank is not on the list of septic tanks preapproved for use in Wyoming; see the enclosed list. Please select a tank from the preapproved list or submit information on the tank that meets the standards specified in Chapter 11, Section 39 of the WWQRR.
5. Please submit the septic tank detail sheet which is enclosed for your convenience.
6. The submitted percolation rate was calculated incorrectly. The percolation rate for your system is 20 minutes per inch. This rate correlates with a 0.46gpd/sf loading rate. Further, the minimum required infiltrative surface area is 1087 sf. As a result, 26 Infiltrator Systems Equalizer 36 chambers are required. Please review these calculations and submit the appropriate leachfield detail sheet and state the number of trenches in the system. This form is enclosed for your convenience.

The required paperwork can be found online:

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

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

SE/rm/10-0101

Septic Tanks Approved for Use in Wyoming

Updated September 30, 2009 (Next Update March 31, 2010)

"A - List"

The following septic tanks are in compliance with the minimum standards and requirements for septic tanks for use in Wyoming as specified in Chapter 11, Section 39 of the Water Quality Rules and Regulations (WQR&R), or can easily be brought into compliance by meeting some simple additional conditions, as noted, for some of the tanks.

Please Note - Individual Counties that have been delegated primacy for the small wastewater program may have stricter standards. If you reside in a delegated county, please confirm with your County Small Wastewater Program that the tank you intend to use is acceptable in your county.

The following link lists the county contacts:

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

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 from all septic tanks.

Suppliers by Wyoming City or Town

Casper:

- A.J. Vollmar, WYO Septic Tanks – Casper, WY: 1000 gal single compartment only

Cheyenne:

- Vaughn Concrete Products - Cheyenne, Wyoming: 1500 & 2000 gallon single compartment and 1000, 1250, 1500, & 2000 gallon two compartment tanks.

Cody:

- Cody Precast & Septic Service - Cody, WY: 1500 gallon two compartment only.

Use of Low Profile models must be justified. (See B-List)

Evanston:

- Ellingford Brothers, Inc. - Evanston, Wyoming: 1000 gallon two compartment only.

Etna / Thayne:

- Precast Concrete Products – made in Thayne, Wyoming: 1000 gal stand single & two compartment, and 1500 gallon AMCOR two compartment concrete tanks.

Note - *BIO-MICROBICS*[®] systems can be attached on top of the 1500 gal vault

Gillette / Sheridan (office only):

- ICM - Intermountain Construction & Materials – made in Gillette, WY: 1250gal single compartment concrete tank.

** This manufacturer was formerly known as: *Wyoming Materials & Improvement*

Mills:

- American Plumbing and Heating - Mills, Wyoming: 1000gal single compartment

Powell:

- Big Horn Precast – Powell, WY: 1000, 1250, & 2000gal two compartment only. Use of Low Profile models(1000SH & 1500gal) must be justified. (B-List)

Riverton:

- Wind River Ready Mix - Riverton, WY: 1000 gal standard single & two compartment only. Use of Low Profile models must be justified. (See B-List)

Rock Springs:

- Rock Springs Block Co. – Rock Springs, WY: 1250, 1550, & 1750 gallon single compartment concrete tanks.

Sheridan:

- Skyline Concrete Products – Sheridan, Wyoming: 1000, 1250, & 1500 gallon single compartment tanks.

Torrington:

- G & L Concrete, Inc. – Torrington, WY: 1000 gallon single compartment only.
** This manufacturer was formerly known as: *Will Young's Cement & Gravel*

Wheatland:

- Croell Redi-Mix - Wheatland, Wyoming: 1000 gallon single compartment Model "A" only. 1000 gallon Model "B" NOT Approved.
** This manufacturer was formerly known as: *Platte County Concrete & Stone*

Out of State Suppliers by State

Colorado:

- Copeland Concrete – Rifle, Colorado: two compartment only, Models C.M. in 1000gal, 1250gal, 1500gal, 2000gal, & 3000 gallon sizes.
Use of Low Profile models must be justified. (see B-List)
- Colorado Precast Concrete – Loveland, CO: 1000 gal "Round" two compartment and 1250, 1500, 2000, 2500, & 3000 gal Rectangular two compartment concrete tanks, and 1250, 2500, & 3000 gal single compartment tanks.
Use of Low Profile RMI polyethylene tanks must be justified. (see B-List)

Iowa:

- Ace Roto-Mold, Den Hartog Industries, Hospers, Iowa: polyethylene septic tanks; 1250, 1500 gal single compartment, & 1000, 1250, 1500 gal two compartment sizes
 - These tanks may be sold at a variety of hardware and farm supply stores.

Minnesota:

- Norwesco - St. Bonifacius, Minnesota: Polyethylene septic tanks - must follow manufacturer's instructions and precautions regarding filling tank with water during burial and immediately after pumping. 1000, 1250, and 1500 gallon tanks are approved in both single compartment and two compartment models.
 - These tanks may be sold at a variety of hardware and farm supply stores.

Montana:

- Billings Precast Enterprises - Billings, Montana: 1000 & 1500gal two compartment
- J & R Precast Concrete - Three Forks, Montana: Vault Toilets - 2 models only, the "B" Model and the "Cascade" Model.
- Kanta Products Inc. - Three Forks, Montana: 1000 & 1500gal two compart. only.
- Montana Terrazzo Company – Billings, Montana: 1000, 1100, 1500, & 2000gal two compartment only tanks.

** This manufacturer was formerly known as: *Billings Tile and Terrazzo*

Nebraska:

- Panhandle Concrete Products, Inc. - Scottsbluff, Nebraska: 1000, 1250, 1500, and 2000 gallon two compartment only tanks.
- Snyder Industries, Inc. – Lincoln, Nebraska: 1050, 1250, and 1500 gallon Ribbed "NuConSept" polyethylene two compartment tanks, and 1500 gallon single compartment tank. Use of Low Profile models must be justified. (see B-List)

South Dakota:

- Boom Concrete - Newell, South Dakota: 1000 & 1500 gal single compartment, and 1500 gallon two compartment tanks.
- J&D Precast, Inc. – Rapid City, SD: 1000 gal single compartment, and 1250 & 1500 gal two compartment concrete tanks only. Other models and sizes NOT Approved.

Utah:

- DURA-CRETE, Inc. - Salt Lake City, Utah: 1000, 1250, 1500, 1750, and 2500 gallon single compartment concrete tanks, and 1000gal two compartment tank

Updated September 30, 2009 (Next Update March 31, 2010)

**Use may be approved on an individual basis when justified by conditions
"B - List" : Low Profile Tanks**

The following septic tanks do not meet the standard 48" of minimum liquid depth as specified in Chapter 11, Section 39 of the Water Quality Rules and Regulations. However, these tanks will be considered on an individual case basis provided that a reasonable justification is given.

The septic tanks listed below are all less than the required 48" minimum liquid depth. The tanks listed below have been approved on the basis that each tank provides at least 36" of liquid depth and has two compartments.

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 from all septic tanks.

- Big Horn Precast – Powell, WY: 1000SH and 1500 gal Low Profile two compartment
- Cody Precast & Septic Service - Cody, Wyoming: 1000gal Low Profile two compartment
- Colorado Precast Concrete - Loveland , Colorado: They supply RMI Tanks. (see below)
- Copeland Concrete, Inc. – Rifle, Colorado: 1000 & 1500 gal Low Profile two compartment
- Infiltrator Systems, Inc. – Old Saybrook, Connecticut: Rotomolded, triple walled, corrugated, polyethylene septic tanks – must follow manufacturer's installation instructions. TW-1050, TW-1250, & TW-1500 gallon two compartment models only.
 - These tanks may be sold at a variety of hardware and farm supply stores.
- RMI Tanks - Denver, Colorado: Rotationally molded polyethylene septic tanks – must follow manufacturer's instructions and precautions regarding filling tank with water during burial and immediately after pumping. 1250 gallon two compartment.
- Roth Global Plastics, Inc. – Syracuse, New York: 1060, 1250, and 1500 gallon two compartment "Septech™" Brand HDPE tanks.
** This company was formerly known as "FRALO" Plastech Manufacturing
- Snyder Industries, Inc. – Lincoln, Nebraska: 1050, 1250, and 1500 gallon Low Profile "NuConSept Plus" model polyethylene two compartment only tanks.
- Wind River Ready Mix - Riverton, WY: 1000 gal "Norwalk" Low Profile two compartment

Four Trench Chambered Leachfield

Four Equal Length Trenches

This worksheet is for a trench type Leachfield using chamber units. Where boxes appear please supply the dimensions of your leachfield.

Type of Chamber: _____

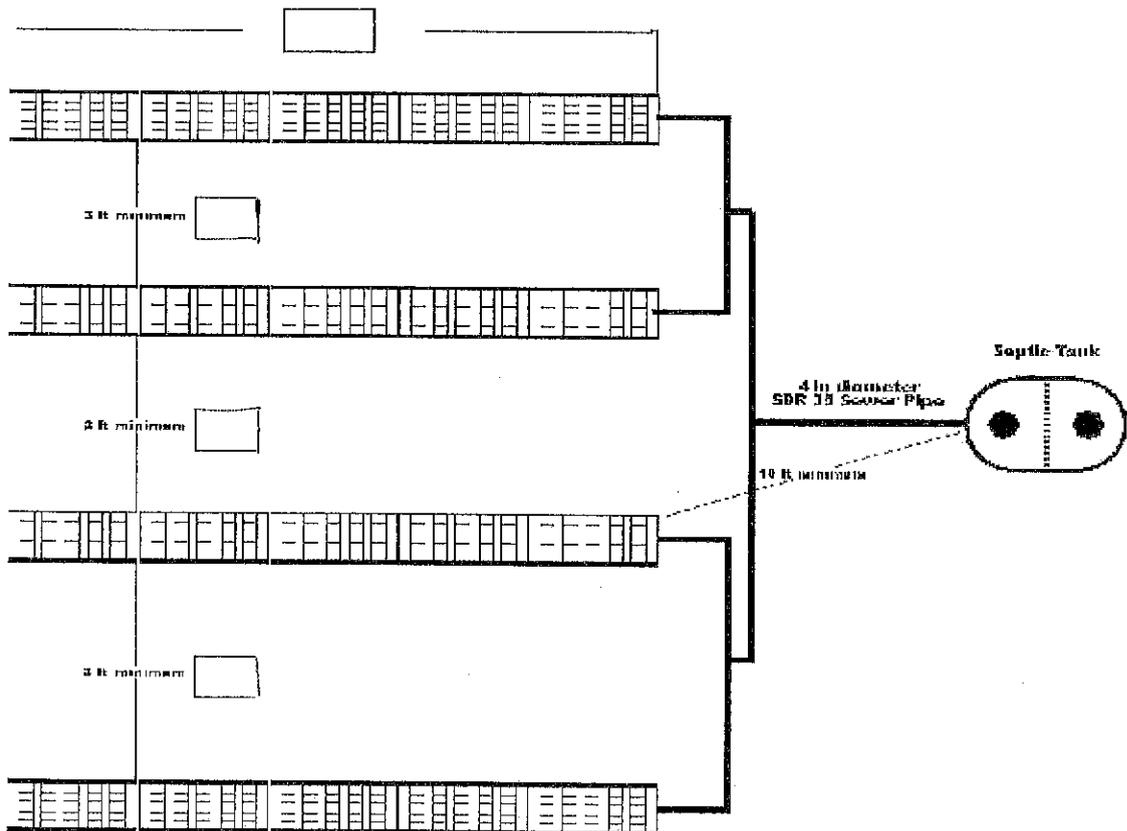
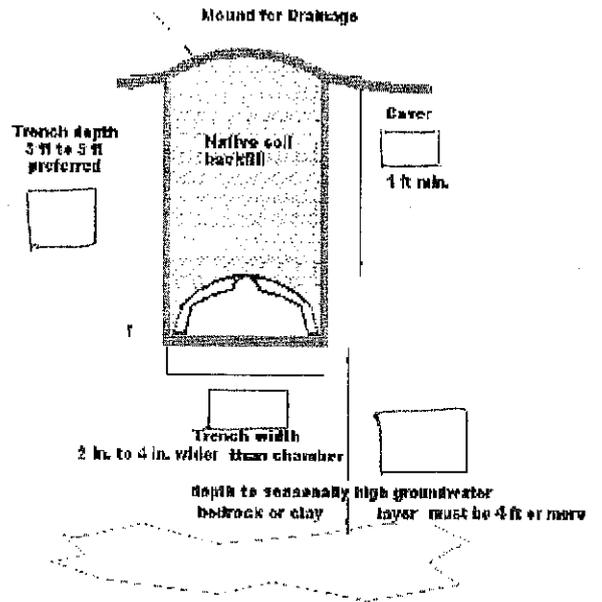
Brand _____

Model _____

Dimensions: Length _____

Width _____ Height _____

Number of Sections Req'd _____
(From Section E.4)



Multiple Trench Chambered Leachfield

Many Equal Length Trenches

This worksheet is for a trench type Leachfield using chamber units. Where boxes appear please supply the dimensions of your leachfield.

Type of Chamber: _____

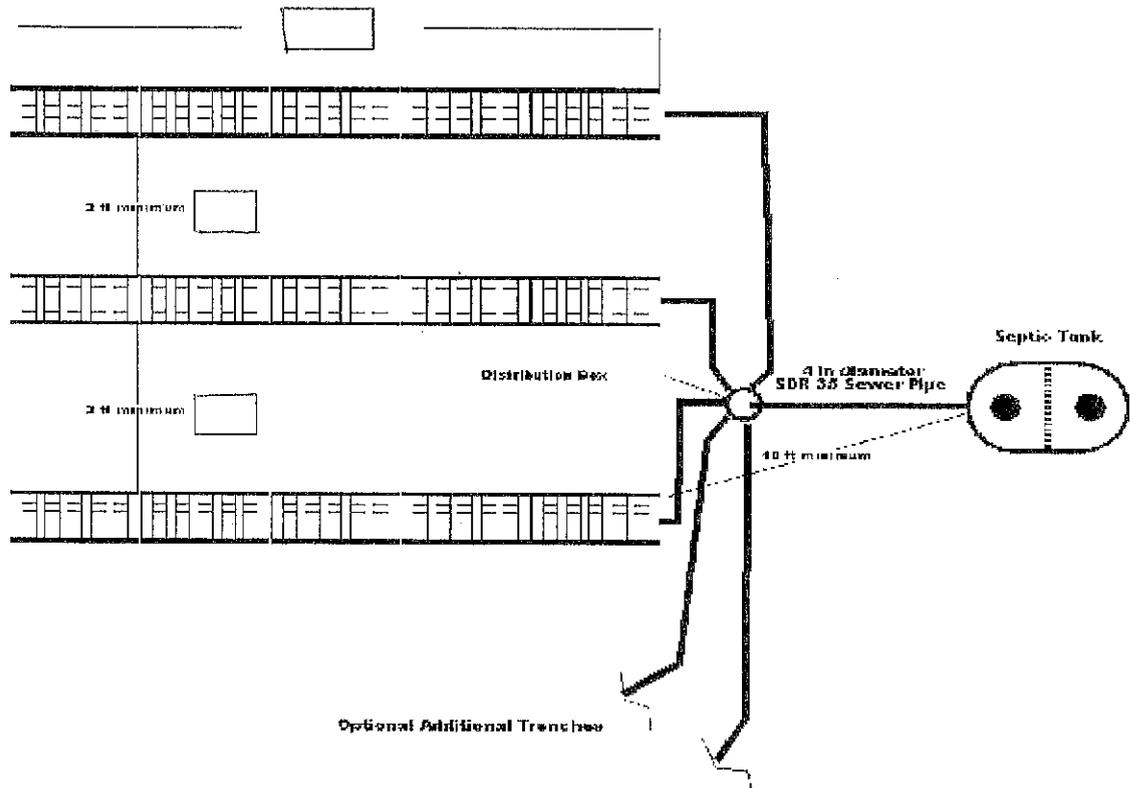
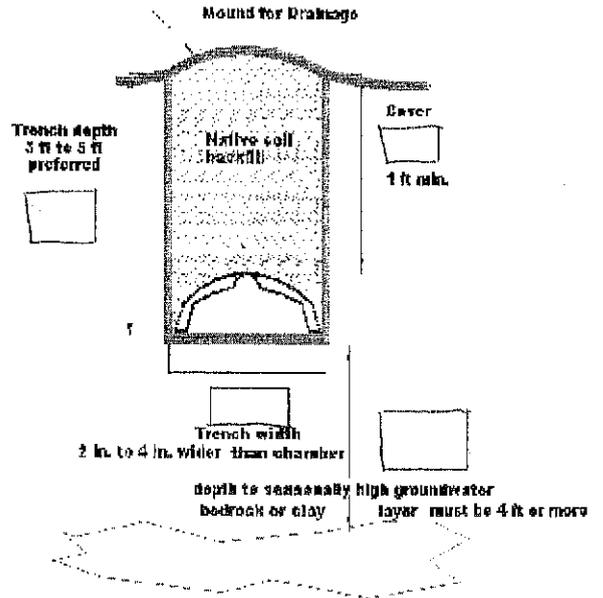
Brand _____

Model _____

Dimensions: Length _____

Width _____ Height _____

Number of Sections Req'd _____
(From Section E.4)



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 10-040

North Star Utility - Phase IV-B - Sewage Lift Station and Force Main Connection with the Town of Alpine

This permit hereby authorizes the applicant:

North Star Utility Company
Ty S. Ross, P.E.
P.O. Box 610
Jackson, WY 83001

to construct a connection between North Star Utility's sewage lift station and the Town of Alpine's sewage collection system using an existing of 8-inch HDPE sewage force main (permit number 08-629, which crosses under the Snake River), consisting of a 6-inch meter, 8-inch HDPE and modifications to an existing sewage lift station according to the procedures and conditions of the application number 10-040. The facility is located about 0.5 miles north of the Town of Alpine in SW ¼ Section 29 and NE ¼ Section 30, T37N, R118W in the county of Lincoln, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by April 2, 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.

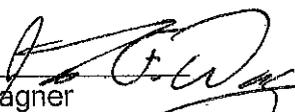
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

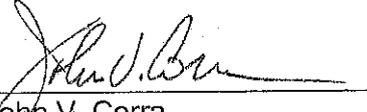
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

3/1/10
Date of Issuance

MDB/rm/10-0157

STATEMENT OF BASIS

1. Permit Number: 10-040
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. If 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@wyo.gov, Southwest District Engineer and completed on February 22, 2010. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

xc: Adrienne Nunn, WDEQ/WQD, UIC Program, Cheyenne, Wyoming

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 10-041

South Pass Maintenance Facility Waste Sump and Pond

This permit hereby authorizes the applicant:

Ron Huff, District Maintenance Engineer
Wyoming Department of Transportation
P.O. Box 461
Basin, WY 82410

to construct a shop drainage sump, water conveyance system and lined, evaporative pond; according to the procedures and conditions of the application number 10-041. The shop drain system consists of a catch basin, sand trap, holding tank, pumps, conveyance piping and lined evaporative pond. Water is transferred from the catch basin into the holding tank via sump pump, and water is transferred from the holding tank via transfer pump to the evaporative pond. The facility is at Latitude 44.5286 degrees North and Longitude 108.7233 degrees West 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, 2015.

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

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

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

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

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

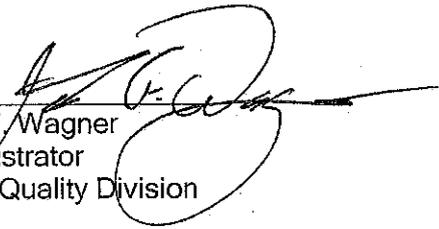
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

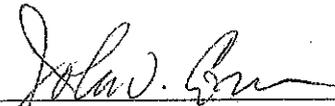
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 3 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview 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

2/12/10
Date of Issuance

HES/rm/10-0114

STATEMENT OF BASIS

1. Permit Number: 10-041
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 11 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
In accordance with Chapter 3, Section 17 (a) (i), this facility will not pollute groundwater due to the presence of an impermeable pond liner.
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, hstuec@state.wy.us, Assistant Northwest District Engineer and completed on January 10, 2010. 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: Matthew R. Epp P.E., CEPI, 6080 Enterprise Drive, Casper, WY 82609



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

February 9, 2010

Dave Dasher
Town of Mountain View
P.O. Box 249
Mountain View, WY 82939

RE: Mountain View 2009 Sewer Replacement and Extension-Walker Lane- ~~Permit Number~~
~~10-042~~, SE ¼ Sec 13 & NW ¼ Sec 24 T15N, R115 W, Uinta County,
(This permit is a modification to permit 09-136)

Dear Mr. Dasher:

The above application for coverage under a General Permit to Construct a replacement and extension to a sewage collection system consisting of 2475 linear feet of 10 inch PVC to be constructed in accordance with Chapter 3, Section 7 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the 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,

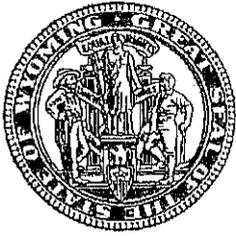
Mark Baron P.E.
Southwest District Engineer
Water Quality Division

PDF: Lou Harmon & Brian Mark- WDEQ Cheyenne, Kevin Frank - WDEQ Casper

xc: Ken Walker P.E., Uinta Engineering and Surveying Inc., 808 Main Street, Evanston, WY 82930

Page 1 of 1





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

February 11, 2010

Chris Gross, Facility President
First Baptist Church
21 Hwy 30
Basin, WY 82410

RE: First Baptist Church Small Grinder Pump Sewer Extension, Permit Number: 10-043, E 1/2, Lot 50, T. 51 N., R. 93 W., Big Horn County

Dear Mr. Gross:

This project involves the installation of an E-One grinder pump and a 1-1/4" pressure sewer main to serve a church addition with two bathrooms. This application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations and is hereby approved. Please contact either Jim Waller or Nick Wilson with Big Horn County at 307-568-2424 for at least one inspection of the construction.

You are authorized to construct the facilities in accordance with the general permits and 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 which can be downloaded from the Wyoming Department of Environmental Quality webpage at:

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

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

Sincerely,

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

xc: Jim Waller, Big Horn County, P.O. Box 29, Basin, WY 82410
IPS, Cheyenne

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

ABANDONED MINES
(307) 332-6085

AIR QUALITY
(307) 332-6755

LAND QUALITY
(307) 332-3047

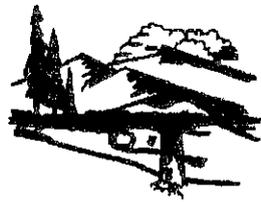
SOLID & HAZARDOUS WASTE
(307) 332-6924

WATER QUALITY
(307) 332-3144





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

February 10, 2010

PacifiCorp Energy
Attn: Ken Clark, Wind Development Manager
610 Antler Dr.
Casper, Wyoming 82601

RE: Dunlap Wind Ranch, O&M Building Septic System,
Location: NW¼, Section 22, T24N, R78W,

Application No. **10-044**
Carbon County

Dear Mr. Clark:

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

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on February 10, 2012. Please reference Application Number **10-044** 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

RLE/rm/10-0108

Enclosures: GENERAL PERMIT - Small Wastewater Facility
Certificate of Completion

cc: IPS, Cheyenne
Rocky L. Carns, JR Engineering, 7200 South Alton Way, Suite C100,
Centennial, Colorado 80112
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West
Buffalo Street, Suite 336, Rawlins, Wyoming 82301

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

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

PERMIT NO. 10-045

YODER EXPLORATION TEST WELL
PWS WY5600169

This permit hereby authorizes the applicant:

Wyoming Water Development Commission
6920 Yellowtail Road
Cheyenne, WY, 82002

to construct, install or modify one Municipal Test Well for Conversion to one Municipal Water Supply Well according to the procedures and conditions of the application number 10-045. The facility is located in Sections 21 and 22, T23N R62W; Goshen County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed March 4, 2012.

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

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

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

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

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

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

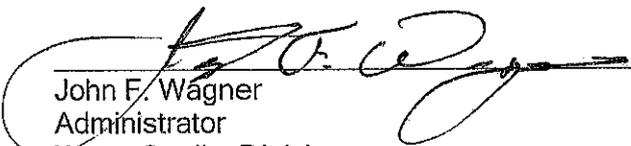
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to

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 307-777-7075, FAX 307-777-7610, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
2. Separate permits to construct will be required for the improvements necessary to the wells to supply water to a public water system.
3. The casing must extend at least 18 inches above the ground surface.
4. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
 - e. As a part of the certificate of completion, the Engineer must certify that all Test Wells have been plugged and abandoned as required by Chapter 11, WQD Rules and Regulations.
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
Quality


John V. Corra
Director
Department of Environmental

Date of Issuance 3-9-10

RRC/rm/10-0189

STATEMENT OF BASIS

1. Permit Number: **10-045**
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 March 5, 2010. 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. 10-046

BELVOIR RANCH EXPLORATION TEST WELLS
PWS WY5600011

This permit hereby authorizes the applicant:

CHEYENNE BOARD OF PUBLIC UTILITIES
2100 PIONEER AVENUE
CHEYENNE, WY 82001

to construct, install or modify four Municipal Test Wells for Conversion to four Municipal Water Supply Wells according to the procedures and conditions of the application number 10-046. The facility is located in Sections 16, 17, 19, 29, 30 and 31, T13N R69W; Laramie County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed February 24, 2012. The issuance of this permit confirms that the Wyoming Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the engineer's design are the responsibility of the permittee, owner, and operator.

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

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

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

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

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

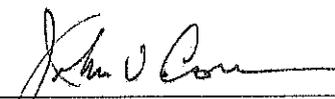
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 307-777-7075, FAX 307-777-7610, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
2. Separate permits to construct will be required for the improvements necessary to the wells to supply water to a public water system.
3. The casing must extend at least 18 inches above the ground surface.
4. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
 - e. As a part of the certificate of completion, the Engineer must certify that all Test Wells have been plugged and abandoned as required by Chapter 11, WQD Rules and Regulations.
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

Date of Issuance

2/25/10

RRC/rm/10-0151

STATEMENT OF BASIS

1. Permit Number: 10-046
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?
No
4. The permit approval is based upon a deviation from applicable regulations in accordance with Section 5. of Chapter 12.
 - a. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
Chapter 12, Section 9(b)(iii) requires a 2" annular space between the casing and the borehole.
 - b. Briefly state the basis for the deviation.
Because technology advances and the use of pressure grouting, a variance allowing a 1 ¼" annular space between the production casing, the surface casing, and the sealed borehole is granted.
5. 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.
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 Richard Cripe, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on February 24, 2010. 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

February 25, 2010

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

RE: Sunup Ridge Sewer Extension Project,
Application No. **10-047**, 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 or Existing Sewage Collection Systems described as install of approximate 1100 LF of 8 inch SDR 35 PVC sanitary sewer main (taking existing lift station out of service), N 1/2 Section 4, T33N R 75W; Converse County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, 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 February 24, 2012.

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. **10-047** 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/10-0152

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Thomas Brauer, CEPI, 6080 Enterprise Dr., Casper WY 82609

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. 10-048
REFERENCE PERMIT NO. 06-059

KINGSBURY II POD: P21-14

This permit hereby authorizes the applicant:

Williams Production RMT Co.
Attn.: Mr. Eric Sandberg
300 N. Works
Gillette, WY 82716

to install monitoring wells according to the procedures and conditions of the application number 10-048. The facilities are proximal to the on channel coalbed methane produced water impoundments located in Township 47N, Range 77W, Section 21, in the county of Sheridan, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by March 1, 2012 (two years).

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 facilities 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:

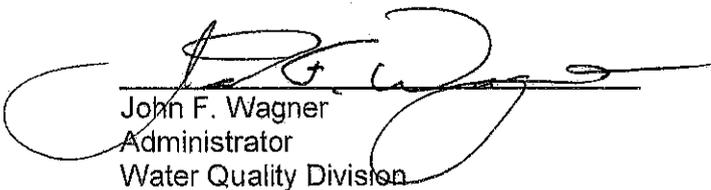
- 1 of 2: The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Section, 1866 South Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213, in accordance with the provisions of Section 11, Chapter 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: Reporting and Monitoring Requirements: The groundwater investigation authorized by this permit is designed to define the extent of the groundwater contamination down-gradient from the Kingsbury II POD impoundment P21-14, which receives produced water from coalbed methane operations. Currently, selenium exceeds state groundwater protection standards.

Groundwater quality samples collected from all monitoring wells authorized by this permit shall be analyzed for the minimum classification analytes, as listed in the *Compliance Monitoring and Siting Requirements for Unlined Impoundments Receiving Coalbed Methane Produced Water* (WDEQ, November 2008). Field parameters (SC, pH, temperature) and static water levels shall be measured at the time of sample collection.

The analytical results shall be submitted to the WDEQ with a Report of Investigation (ROI) within 60 days after the site investigation concludes. The ROI shall contain a description of methods and procedures used in the investigation, discussion of analytical results, boring logs, monitoring well construction details, facility maps showing location of new and existing monitoring wells, GPS locations of new monitoring wells, and recommendations for any additional actions.

Future sampling and analyses of groundwater in the new monitoring wells will be contingent on the analytical results and will be established by the WDEQ after review of the ROI. Any future sampling requirements will be coordinated with existing compliance monitoring required by Permit to Construct #06-059.

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

2-19-10

Date of Issuance

CS/rm/10-0127



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

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

PERMIT TYPE: CBM: Groundwater Extent of Contamination Investigation

PERMIT NUMBER: 10-048

REFERENCE PERMIT NUMBER: 06-059

SITE (POD) NAME: Kingsbury II POD: P21-14

APPLICANT: Williams Production RMT Co.
Attn.: Mr. Eric Sandberg
300 N. Works
Gillette, WY 82716

CONSULTANT: WWC Engineering
Attn.: Mr. Michael Evers
1849 Terra Ave.
Sheridan, WY 82801

LOCATION: Drainage: Unnamed tributary to Pumpkin Creek,
tributary to Powder River
County: Johnson
Township 47 North; Range 77 West, Section 21

WYPDES No: Discharge Permit: WY0046914

REVIEWING OFFICIAL: Carrie Steinhorst, North District Project Geologist

DATE OF THIS REVIEW: February 12, 2010

ACTION: Permit to Construct #10-048 authorized

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Watershed Name: Unnamed tributary to Pumpkin Creek, tributary to Powder River

Description of Hydrogeology:

Groundwater occurs within the area of the Kingsbury II POD impoundment P21-14 in unconfined bedrock sandstone. The sandstone unit is encountered at 20 to 30 feet below ground surface (bgs) in Section 21. The groundwater is shallow and the gradient is to the southwest toward Pumpkin Creek.

2.0 COMPLIANCE MONITORING SUMMARY

As required by Wyoming Department of Environmental Quality (WDEQ) Wyoming Water Quality Rules and Regulations, Permit to Construct number 06-059, Williams Production RMT Company has been submitting groundwater compliance data associated with discharges into impoundment P21-14 since initial discharge to the impoundment in 2006. A review of these analytical data indicates that groundwater quality in two down-gradient monitoring wells has exceeded the Wyoming groundwater standards for selenium.

The ambient groundwater sample obtained in 2005 from monitoring well P21-14MW-1 revealed a laboratory result of "non-detect". The groundwater standard for selenium is 0.05 milligrams/liter (mg/L). Since first detected in January, 2007, the selenium concentration in groundwater has been increasing, and reached a maximum concentration of 0.162 mg/L during the September 2008 sampling event. The most recent sampling event, November 11, 2009 revealed a concentration of 0.146 mg/L.

Similarly, the ambient groundwater sample obtained in 2006 from monitoring well R14A-21-4777 revealed a laboratory result of "non-detect". Selenium was first detected in September 2006, after which it increased to a maximum concentration of 0.099 mg/L during the October 2007 sampling event, and decreased to the most recent concentration of 0.050 mg/L in November 2009.

Given the elevated concentrations shown over the past 3 ½ years of compliance sampling, the WDEQ is requiring a subsurface investigation to determine the extent of the migration of selenium contamination in the shallow groundwater down-gradient from the impoundment P21-14.

3.0 MONITORING AND REPORTING REQUIREMENTS

The groundwater investigation authorized by this permit is designed to define the extent of the selenium contamination down-gradient from impoundment P21-14, which receives produced water from coalbed methane operations.

Groundwater quality samples collected from all monitoring wells under this permit shall be analyzed for the minimum classification analytes, as listed in the "*Compliance Monitoring and Siting Requirements for Unlined Impoundments Receiving Coalbed Methane Produced Water (WDEQ, November 2008)*" and found below.

Minimum Classification Analytes
Aluminum (Al)
Arsenic (As)
Boron (B)
Cadmium (Cd)
Chloride (Cl)
Chromium (Cr)
Copper (Cu)
Iron (Fe)
Lead (Pb)
Manganese (Mn)
Selenium (Se)
Sulfate (SO ₄)
Total Dissolved Solids (TDS)
Zinc (Zn)
pH
Sodium Adsorption Ration (SAR)

Field parameters (SC, pH, temperature) and static water levels shall be measured at the time of sample collection.

The analytical results shall be submitted to the WDEQ with a Report of Investigation (ROI) within 60 days after the site investigation concludes. The ROI shall contain a description of methods and procedures used in the investigation, discussion of analytical results, boring logs, monitoring well construction details, facility maps showing location of new and existing monitoring wells, GPS locations of new monitoring wells, and recommendations for any additional actions.

Future sampling and analyses of groundwater in the new monitoring well(s) will be contingent on the analytical results and will be established by the WDEQ after review of the ROI. Any future sampling requirements will be coordinated with existing compliance monitoring required by Permit to Construct # 06-059.

END OF REVIEW

CS/rm/10-0127



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

February 11, 2010

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

RE: 2010 Water System Improvements, Permit Number: 10-049, NE ¼, Section 34, T. 41 N., R. 116 W., Teton County

Dear Mr. O'Malley:

This project involves replacing existing 4-inch water mains with 3,350 linear feet of 8-inch ductile iron water mains within Redmond, Cache and Hall streets. This application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct the facilities in accordance with the general permits and 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 which can be downloaded from the Wyoming Department of Environmental Quality webpage at:

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

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

Sincerely,

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

xc: IPS, Cheyenne

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

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

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

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

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

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





Department of Environmental Quality

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



Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

February 11, 2010

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

RE: 2010 Sewer System Improvements, Permit Number: 10-050, NE ¼ & NW ¼,
Section 34, T. 41 N., R. 116 W., Teton County

Dear Mr. O'Malley:

This project involves the replacement of 2,700 linear feet of 8-inch clay sewer mains with new 8-inch PVC sewer mains within four alley locations in the East Jackson area. This application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct the facilities in accordance with the general permits and 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 which can be downloaded from the Wyoming Department of Environmental Quality webpage at:

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

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

Sincerely,

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

xc: IPS, Cheyenne

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

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

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

LAND QUALITY
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FAX 332-7726

SOLID & HAZARDOUS WASTE
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FAX 332-7726

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

