



Department of Environmental Quality



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

John Corra, Director

Dave Freudenthal, Governor

NOTIFICATION OF COVERAGE

April 15, 2009

Larry E. Hoel, Supervisor, Project Engineering
OCI Wyoming, LP
254 County Rd 4-6
Green River, WY 82935

RE: Deca Rehydration Process, Potable Water -09-101R, Lat. 41°42', Long 109°40'54",
Sweetwater County *Sec 14 - T20 - R109 NW*

Dear Mr. Hoel:

The above application for coverage under General Permits to Construct a modification to a public water service distribution system consisting of 600 linear feet of 3 inch SDR 17 HDPE to service a restroom and safety showers 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
Consulting Engineer
Water Quality Division

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

PDF: Cheyenne
Richard Feuerborn, K&F Engineers, P.A., 645 W. Clark St., Pocatello, ID 83204

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



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

CLASS V INJECTION WELL

(X) New
() Modified

Permit Number UIC **09-102**
UIC Facility Number WYS-005-00564

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

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

Beneterra, LLC, hereafter referred to as the permittee, is authorized to operate the proposed Class V (5F2) Subsurface Drip Irrigation (SDI) Project known as the T-Chair SDI in Sections 25, 26, 27, and 35, Township 43 North, Range 76 West, Sections 1 and 2, Township 42 North, Range 76 West, and Section 30, Township 43, Range 75 West, 6th Principal Meridian, Campbell County, according to the procedures and conditions of application 09-102 and requirements and other conditions of this area permit.

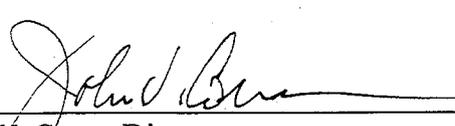
This permit shall become effective on date of issuance.



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

5/19/09

Date



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

5/19/09

Date

UMW/rm/9-0386

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A. Discharge Zone

The T-Chair SDI is authorized to inject into the alluvial deposits adjacent to Cottonwood Creek and Collins Draw, intermittent streams in northern Campbell County which are tributary to the Powder River.

B. Well and Area of Review

The injection wells associated with the T-Chair SDI Project authorized by this area permit are located as follows:

There are eight irrigated fields associated with this project located in parts of Sections 25, 26, 27, and 35, Township 43 North, Range 76 West, Sections 1 and 2, Township 42 North, Range 76 West, and Section 30, Township 43, Range 75 West, 6th Principal Meridian. Each of these fields is authorized as an injection well. The locations of the approximate center of each field are listed in Table 1 below. Maps showing the project location and the layout of the irrigated fields are presented in Figures 1 and 2 of Application for Underground Injection Control Permit for T-Chair Subsurface Drip Irrigation Project. The injectate will be sampled at the surge pond which is located in the NWNENW of section 35, Township 43 North, Range 76 West, 6th Principal Meridian.

Table 1 (Field Locations)

Field Identification	Location of Field Center
1	SWNESE, Section 25, T 43 N, R 76 W
2	NESENW, Section 25, T 43 N, R 76 W
3	NWSENE, Section 26, T 43 N, R 76 W
4	NESENW, Section 27, T 43 N, R 76 W
5	NENESE, Section 27, T 43 N, R 76 W
6	SWNENW, Section 35, T 43 N, R 76 W
7	NWSWNE, Section 35, T 43 N, R 76 W
8	NWSESE, Section 35, T 43 N, R 76 W

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

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

- A 500 foot buffer to allow for the visual inspection of ephemeral drainages adjacent to the fields to identify any resurfacing of injected water; and
- Monthly water balance calculations.

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

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

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

Detailed explanation of the water balance calculations and assumptions is presented in the Application for Underground Injection Control Permit for T-Chair Subsurface Drip Irrigation Project.

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

- SESESW, SWSWSE, Section 22, Township 43 North, Range 76 West;
 - NESWSE, SESWSE, SWSWSE, NWSESE, SWSESE, Section 24, Township 43 North, Range 76 West;
 - NENW, SENW, SENWNW, NESWNW, SESWNW, NE, SE, NWNESW, NENESW, SENWSW, NESESW, Section 27, Township 43 North, Range 76 West;
 - NWNWNW, SWNWNW, SENWNW, SWNW, SWSENW, SESENW, SENWNESE, SENE, SESE, NWSE, NESE, NWSESE, SWSE, SW, Section 26, Township 43 North, Range 76 West;
 - NENENW, SENENW, SENW, NESWNW, SESWNW, NE, SE, SW, Section 26, Township 43 North, Range 76 West;
 - NWNWNE, NENWNE, NWNENE, NENENE, Section 34, Township 43 North, Range 76 West;
 - NWNW, NENW, SENW, NESWNW, SESWNW, NWNE, NWNENE, SWNESE, NWSENE, SWSENE, SESENE, SE, NESW, SESW, NENWSW, SENWSW, NESWSW, SESWSW, Section 35, Township 43 North, Range 76 West;
 - NENWNW, NENW, NWSENW, NESENW, SESENW, NE, Section 2, Township 42 North, Range 76 West;
 - NWNW, NWNENW, SWNENW, SENENW, NWSENW, SWNW, Section 1, Township 42 North, Range 76 West;
 - SWNW, SWSENW, NWNESW, SWNESW, SWSW, NWSW, Section 30, Township 43 North, Range 75 West;
- 6th Principal Meridian.

C. Groundwater Classification

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

D. Authorized Operations

The permittee is authorized to inject 1.89 million gallons per day of produced coalbed methane water through the T-Chair SDI Project. The produced water originates from coal bed methane wells completed in the Big George coal seam. Water migrating from the drip irrigation system shall not enter into Cottonwood Creek, Collins Draw or any of its tributaries.

E. Hazardous Waste

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

F. Proper Operation and Maintenance

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

The facilities covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapter 16. A "UIC Construction Notification" form (available on the WDEQ's groundwater website at <http://deq.state.wy.us/wqd/groundwater/index.asp>) shall be submitted to the Groundwater program in Sheridan upon completion of construction of all or any portion of the project prior to placing that portion of the project into operation. The operator shall also submit detailed "as-built" drawings of the facility upon completion. The drawings shall include all surge ponds, piping, manifolds, a general layout of the drip tape, etc.

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

G. Entry and Inspection

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

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the

sample measurement, report, or application. This period may be extended by request of the Administrator at any time.

3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Department.
4. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The time(s) analyses were initiated;
 - e. The initials or name(s) of the individual(s) who performed the analyses;
 - f. References and written procedures for the analytical techniques or methods used;
 - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
6. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified decommissioning procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
7. The permittee shall report any noncompliance which may endanger health or the environment within 24 hours from the time the operator becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;
 - c. A written submission shall be provided within 5 days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.
9. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 30 days following each schedule date.

I. Requirements for Monitoring the Discharge.

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

Table 2 (Injected Fluid Sampling Schedule)

Sampling and Reporting Schedule	Parameter Analyzed	Analytical Method	Permit Limit or UCL*
Quarterly 12/31; 3/31; 6/30; 9/30	Total Volume discharged to each field (1,2,3,4,5,6,7,8)	Duration of flow, pressure and valve capacity	The volume of flow from all ten fields combined shall not exceed 1.89 million gallons/day
Annually 12/31	Total Dissolved Solids (sample to be collected at the surge pond)	EPA 160.1	5,000 mg/L

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

Table 3 (Groundwater Sampling Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	REPORTING SCHEDULE (DUE DATE)	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT
MW8-26-4376, MW12-26-4376, MW7-35-4376, MW6-35-4376, MW5-26-4376	Semi-annual	Semi-annual (6/30; 12/31)	Depth to static water (ft)	Steel tape with chalk or electronic tape	None (tracking purposes: surface water protection)
MW5-26-4376	Semi-annual	Semi-annual (6/30; 12/31)	Total Dissolved Solids	EPA 160.1	10,000 milligrams/liter
MW8-26-4376, MW12-26-4376, MW7-35-4376, MW6-35-4376	Semi-annual	Semi-annual (6/30; 12/31)	Total Dissolved Solids	EPA 160.1	5,000 milligrams/liter

3. The surface water shall be sampled and the following parameters analyzed according to the schedule identified in Table 4.

Table 4 (Surface Water Sampling Schedule)

SURFACE WATER STATION NAME OR NUMBER	SAMPLING SCHEDULE	REPORTING SCHEDULE (DUE DATE)	PARAMETER ANALYZED	ANALYTICAL METHOD	PERMIT LIMIT or UCL*
Visual-1: All reaches of Cottonwood Creek and Collins Draw within the area of review and adjacent to operating fields	Monthly	Quarterly 3/31; 6/30; 9/30; 12/31	Visual inspection for surface seepage	Visual inspection	None (surface water protection)

5. If construction and operation of fields proceeds in a staged manner, the monitoring locations associated with that field shall be sampled during the first semi-annual event after construction of the field. The operator shall notify the WDEQ upon construction of each field. Table 5 lists which monitoring locations shall be monitored after construction of the field.

Table 5 (Monitoring locations associated with each field)

Field Identification	Monitoring Locations
T-Chair Field 1	Visual-1
T-Chair Field 2	Visual-1
T-Chair Field 3	Visual-1, MW8-26-4376
T-Chair Field 4	Visual-1
T-Chair Field 5	Visual-1, MW5-26-4376
T-Chair Field 6	Visual-1, MW12-26-4376
T-Chair Field 7	Visual-1, MW7-35-4376
T-Chair Field 8	Visual-1, MW16-35-4376

All chemical parameters listed in this permit are expressed in mg/L unless otherwise noted. The permittee shall use the above listed analytical methods unless an alternate method is first approved by the Water Quality Division.

Failure to perform and report analyses in accordance with the prescribed schedule and method is a violation of this permit.

J. Test Procedures

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

K. Records and Reports

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Reports of compliance or noncompliance with, and any progress reports on, interim and final requirements contained in any compliance schedule shall be submitted no later than thirty (30) days following each schedule date. 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. 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. The injection systems covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 16, Section 12. Groundwater monitoring wells covered by this permit shall be abandoned in accordance with Wyoming Water Quality Rules and Regulations, Chapter 11, Part G.

N. Duties of the Permittee

The permittee shall give advance notice to the Administrator as soon as possible of any planned physical alteration or additions, other than authorized operation and maintenance, to the permitted facility and receive authorization prior to implementing the proposed alternation or addition. The permittee shall furnish the Administrator within a reasonable time any information which the Administrator may request to determine whether cause exists for modifying, revoking, or reissuing, or terminating this permit, or to determine compliance with this permit; and to furnish to the Administrator upon request, copies of records

required to be kept by this permit. Any modification which may result in a violation of a permit condition shall be reported to the Administrator, and any modification that will result in a violation of any permit conditions shall be reported to the Administrator through the submission of a new or amended permit application. The permittee shall report all instances where he becomes aware that he failed to submit any relevant facts in the permit application, or where he submitted incorrect information in a permit application or in any report to the Administrator, and shall promptly submit such facts or information.

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

O. Signatories Requirement

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

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

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

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

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

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

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

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

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

P. Noncompliance

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

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

Q. Permit Transfer

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

R. Property Rights

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

S. Severability

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

STATEMENT OF BASIS FOR A UIC PERMIT

I. General information.

A. Permit Number: **09-102**

B. Facilities Covered: The Beneterra, LLC., T-Chair (subsurface drip irrigation system) is located adjacent to Cottonwood Creek and Collins Draw (ephemeral drainages) in Campbell County, Wyoming. These facilities will inject produced coal bed methane water into alluvium, colluvium and the Wasatch Formation at depths up to 10 feet. The system is designed to inject up to a capacity of 1.89 million gallons per day. Because of the nature of this water, the permit has been written to allow up to this capacity.

C. Class of Facility: 5F2 (Under Chapter 16)

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

A. Chapter 8 Yes

D. Chapter 12 No

B. Chapter 9 No

E. Chapter 13 No

C. Chapter 11 Yes

F. Chapter 16 Yes

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

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

Yes

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

No

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

NOT Applicable

V. Application requires review to determine groundwater impacts in accordance with Wyoming Water Quality Rules and Regulations Chapters 8 and 16. Groundwater beneath this proposed facility is classified as a mixture of Class IV and Class III. Groundwater monitoring is proposed for this site to protect groundwater and surface water. This permit provides for a total flow capacity of 1.89 million gallons per day.

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 8, 2009 and ending on May 10, 2009. (Thirty day notice is required by Chapter 16.) This notice was published in the Casper Tribune on or before the start of the public comment period.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 5, Chapter 16, Wyoming Water Quality Rules and Regulations. This review was performed by Ursula Williams, P.G # 1503, Groundwater Program, North District Geological Project Analyst, and completed on April 3, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 9, 2009

Jay D Merritt
Town of Shoshoni
P.O. Box 267
Shoshoni, WY 82649

RE: Shoshoni Wastewater Treatment Facility Upgrade. DEQ Permit #09-103R, Fremont County, Sec 28, T38N, R94W

Dear Mr. Merritt:

This project consists of the replacement of the current gas chlorination system with a liquid sodium hypochlorite system, and the installation of a sodium bisulfate dechlorination system.. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11, Parts A and 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
Cooper Best, Baseline Engineering, 1536 Cole Blvd, Golden, CO 80401

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

ABANDONED MINES
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FAX 332-7726

LAND QUALITY
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FAX 332-7726

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

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
STATEWIDE PERMIT TO CONSTRUCT

PERMIT NO. 09-104

REFERENCE PERMIT NOs. 05-438

Siemens 2 Stage Reverse Osmosis Treatment

This permit hereby authorizes the applicant:

Siemens Water Technology
14950 Heathrow Forest Parkway, No. 195
Houston, TX 77032

to construct, install or modify, and operate a Two Stage Reverse Osmosis Treatment System (based on the results of the operations of a Pilot Plant constructed under Notice of Coverage # 05-438 issued under the General Permit for Pilot Plant Construction) according to the procedures and conditions of the application number 09-104. The facility is located STATEWIDE in the State of Wyoming.

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.

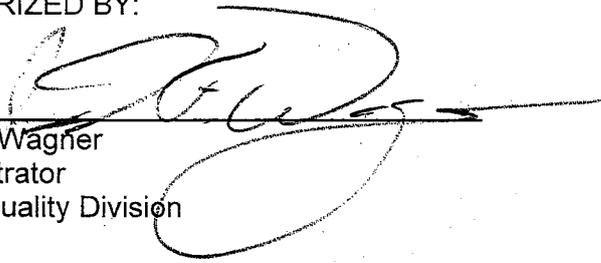
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

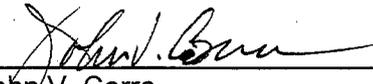
- 1 of 9 The applicant will provide immediate oral or written notice to the CBM / Oil and Gas Group, Water Quality Division, 152 North Durbin Street, Suite 100, Casper, WY 82601, Phone 307-473-3465, FAX 307-473-3458 in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 9 The applicant will provide written notice to the CBM / Oil and Gas Group, Water Quality Division providing the location and other applicable information 60 days prior to constructing/operating a facility.
- 3 of 9 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the CBM / Oil and Gas Group, Water Quality Division on the form provided (CERTIFICATION OF COMPLETION), the following information:
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.
- 4 of 9 This process is only approved for the two stage reverse osmosis treatment facility. Any pre-treatment facilities proposed for each location will require an individual Chapter 3 Permit to Construct.
- 5 of 9 The applicant shall provide the CBM / Oil and Gas Group, Water Quality Division with the information regarding disposal of any waste generated by the process at a DEQ approved facility.
- 6 of 9 During the first two months of operation of a new plant, the applicant will monitor operation of the facilities at least three times a week. After two months, if the operation of the facilities is within the stated operational parameters, monitoring will be conducted weekly.

- 7 of 9 An operation and monitoring report will be submitted to the CBM / Oil and Gas Group, Water Quality Division monthly for the first two months of operation. If after two months, the facility is operating within stated parameters, operation and monitoring reports may be submitted quarterly. The operation and monitoring reports will include, at a minimum, influent water quality, amount of water treated at each location, other operational information, waste disposal and effluent water quality.
- 8 of 9 Following completion of treatment, the treatment plant and all associated structures will be reclaimed to the satisfaction of the land owner.
- 9 of 9 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

3/16/09

Date of Issuance

JDL/KJM/rm/9-0194

cc: WDEQ Casper Field Office

STATEMENT OF BASIS

1. Permit Number: 09-104
2. Application reviewed for compliance with the following applicable regulations :
 - a. Chapter 11.
 - b. The STATEWIDE permit is based on completion of the Pilot Project permit# 05-438
3. Does the permit comply with all applicable regulations identified above?

Yes

Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.

- a. Not required.

Documentation of Statement of Basis.

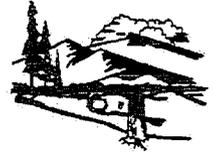
The archive file for this permit will include adequate documentation of all sections of this Statement of Basis.

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, CBM / Oil and Gas Group Manager, and completed on March 5, 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."



The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

May 6, 2009

Ted Ertman, Chairman
Weston County Commissioners
1 West Main Street
Newcastle WY 82701

Re: **Adverse Recommendation**, Stormy Heights Subdivision, Weston County
Department of Environmental Quality Water Quality Division Application #09-105

Dear Commissioners:

This subdivision application was received in this office on March 9, 2009. After review the following recommendations and comments are offered.

Recommendations

The Department of Environmental Quality (Department) cannot make a final determination of the safety and adequacy of the proposed water system until additional information is presented. At this time the Department is making an adverse recommendation as the additional information cannot be reasonably acquired before May 8, 2009. This recommendation is provided pursuant to W.S. 18-5-306. The Department will gladly continue to work with the developer and other involved parties to resolve outstanding issues as quickly as possible, but the agency is required by law to respond with comments within 60 days as described in W.S. 18-5-306 (c).

Additional Information Required

Safety and Adequacy of the Water Supply

Although the report suggests that the homeowners have the option of hauling water or drilling an individual well (which is not recommended), it appears more likely that the proposed water supply will be for homeowners to connect to the existing water system (Cambria Water District).

The submitted report states the following:

4.0 Water Recommendations

“Due to a lack of existing wells and insufficient data for aquifer analyses, limited lot acreages, and to eliminate the potential for inadequate separation distance, on-lot water wells are



Ted Ertman
Weston County Commissioners
May 6, 2009
Page 2

not recommended for potable water supply in this subdivision. Lot owners will be responsible, on an individual basis, for making application and submitting fees to the Cambria Water District for their domestic water supply."

The regulations prescribed in Chapter 23, Section 8(b) state, in part, that "...applications proposing to connect to an existing water supply system shall contain the following:

ii) Certification by the owner of the water distribution and treatment facilities that the system can and will provide adequate service to the proposed subdivision. This certification should address the willingness and a commitment of the owner to provide service, as well as the hydraulic capacity of the distribution system and the ability of the treatment facilities to provide potable water to the proposed subdivision;"

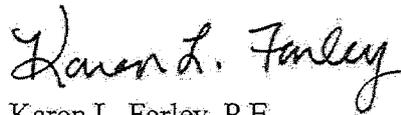
It appears from the information submitted in the report that the Cambria Water District has some obligation to provide water taps to all applicants within their service boundary; however, this is not a statement of adequacy of the water system. Confirmation that the district has the capacity for the additional taps was not provided. As required by the regulations, this information must be included if we are to be requested to evaluate the feasibility of connecting to the existing water system.

Safety and Adequacy of Proposed Sewage System

The WDEQ is satisfied that the proposed sanitary sewer system (on lot septic tanks and leachfields) is feasible.

If anyone has any questions about this correspondence, please do not hesitate to contact me at 307-473-3478 or kfarle@wyo.gov

Sincerely,



Karen L. Farley, P.E.
Northeast District Supervisor
Department of Environmental Quality / Water Quality Division

cc: Joyce Dilts, P.O. Box 998, Newcastle, WY 82701
Frank A. Strong, IV, M.C. Schaff & Associates, P.O. Box 1340, Douglas, WY 82633
Ray Pacheco, Weston County Planner, 1 West Main, Newcastle, WY 82701
WDEQ File
IPS (Cheyenne)

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-106

REFERENCE PERMIT NO. 07-028 (well)

Little Powder School Water System Upgrades

This permit hereby authorizes the applicant:

Campbell County School District No. 1
109 N. Gurley Avenue
Gillette, WY 82716

to construct, install or modify the Little Powder School Water System Upgrades, according to the procedures and conditions of the application number **09-106**. The facility is located in the NE ¼, Section 14, Township 56 North, Range 71 West, Campbell County. The facility is further located at approximately 45 miles north of Gillette, Wyoming off of Hwy 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.

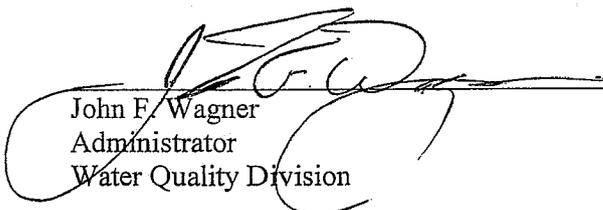
Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations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

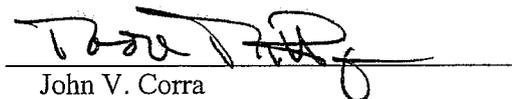
The permittee shall construct and shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or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

1-25-10
Date of Issuance

KLF/rm/10-0062

cc: William Carson, Stetson Engineering, 601 Metz Drive, Gillette, WY 82717
Phillip Giffin, Campbell County Department of Public Works, 500 S. Gillette Ave., Suite 1400,
Gillette, WY 82716

STATEMENT OF BASIS

1. Permit Number: **09-106**
2. Application reviewed for compliance with the following applicable regulations:
Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?
YES
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.
N/A
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

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



The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

July 30, 2009

Andrew Beamer, P.E.
City of Casper – Public Services Department
200 North David
Casper, WY 82601

RE: Paradise Drive Reconstruction Project, WDEQ #09-107, Natrona County

Dear Mr. Beamer:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Public Water Supply Distribution Systems in accordance with Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations 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 is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permits and the materials submitted in your application package. **Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O. of the general permits. In part, you are required to notify this office prior to commencement of construction.**

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: Murray Schroeder, P.E., WWC Engineering, 611 Skyline Rd., Laramie, WY 82072
Darrin Tromble, P.E., WWC Engineering, 6000 East 2nd, Suite 1004, Casper, WY 82609
WDEQ File
IPS (Cheyenne)

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

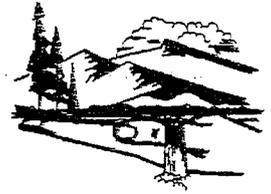
AIR QUALITY DIVISION
(307) 473-3455
Fax: (307) 473-3458

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





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

April 27, 2009

Ms. Lenore S. Perry, Mayor
Town of Granger
P.O. Box 42/ 76 Spruce Street
Granger, WY 82934

RE: Town of Granger Water Distribution Mains and Sanitary Sewer Collection Mains Extensions Project 09-108RR, Lat 41.5917, Lon 109.9619, Sweetwater County

Dear Ms. Perry:

The above application for coverage under General Permits to Construct, extensions to a sewage collection system consisting of 6816 linear feet of 8 inch PVC and water distribution main extensions of about 19,000 linear feet of 6,8,10 and 12- inch PVC to form a looped water distribution system to be constructed in accordance with Chapter 3, Section 7 and Chapter 11, Section 9 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the facilities in accordance with the general permits and the materials submitted in your application package. A control configuration for flow distribution between the existing storage tank and future tank (not included with this permit) must be provided with submittal of the future tank permit to construct application. 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
Consulting Engineer
Water Quality Division

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

PDF: Cheyenne

Sinclair Buckstaff, Jr. P.E., Nelson Engineering, P.O. Box 1599/430 South Cache St.
Jackson, WY 83001

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

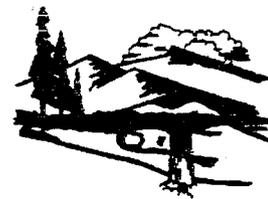
SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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

April 24, 2009

Robert Farwell, Deputy Base Civil Engineer
300 Vesle Dr.
F.E.Warren AFB, WY 82005

RE: Reconfigure Gate 1 F.E. Warren AFB, Wyoming
Application No. **09-109**, Laramie County

Dear Mr. Farwell:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installation of 8 inch sanitary sewer with 12 inch PVC encasement, remove existing fire hydrant, and installation of a new fire hydrant, Gate 1 @ Randall Ave., T14N R 66W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by April 24, 2011.

Future system improvements to the distribution system will require a permit. Basically, a permit will be required if fire protection is added to the system.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **09-109** 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/bb/9-0338

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Robert A. Rothermel, Four Front Design, 517 7th St., Rapid City, South Dakota 57701

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

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

PERMIT NO. 09-110

Valley View Mutual Water Company Well #1 Drilling & Development
PWS #WY5601499

This permit hereby authorizes the applicant:

Charles Rainer
Valley View Mutual Water Company
P.O. Box 12483
Jackson, WY 83002

to drill, construct, develop and test Valley View Mutual Water Company Well #1; according to the procedures and conditions of the application number 09-110. The well is within Lot 10 of the Valley View Subdivision which is about 5 miles south of Jackson. The project is within SE ¼, SE ¼, Section 17, T40N, R110W in the county of Teton, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 1, 2010.

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

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

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

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

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

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

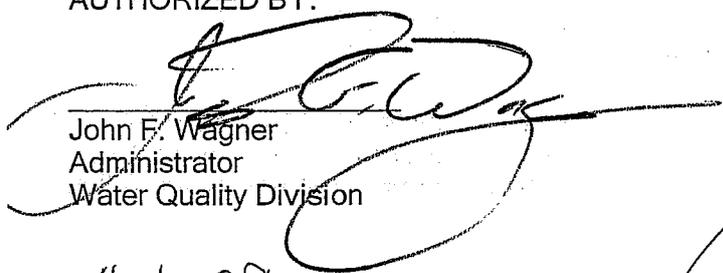
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not

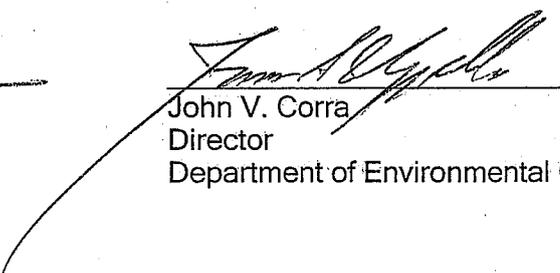
relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

- 1 of 4 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 4 A Chapter 3 Permit to Construction Application along with plans and technical specifications for the equipping of the well and other construction such as installation of discharge piping, construction of a well house, disinfection, etc. must be submitted to the Wyoming Department of Environmental Quality. A Permit to Construct must be obtained prior to construction of the aforementioned items.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

4-6-09
Date of Issuance

JSB/rm/9-0274

STATEMENT OF BASIS

1. Permit Number: 09-110
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes. However, subsequent plans and specifications must be submitted for the equipping of the well and other construction such as installation of discharge piping, construction of a well house, disinfection, etc.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water supply wells are exempted from review by Chapter 3, Section 17
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

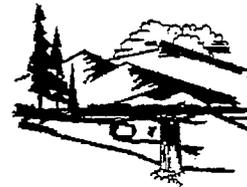
CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, james.brough@wyo.gov, Northwest District Engineer and completed on April 3, 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: Philip Gyr, P.E., Nelson Engineering, P.O. Box 1599, Jackson, WY 83001



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

March 30, 2009

James Huspek, President
Rafter J Improvement and Service District
2951 W. Big Trail Drive
Jackson, WY 83001

RE: Rafter J - NE40 Townhouses Sanitary Sewer Main, Permit Number: 09-111, NW ¼, Section 17, T40N, R116W, Teton County

Dear Mr. Huspek:

This project is an expansion of a previously permitted project (DEQ #08-179). The project involves the installation of approximately 330 linear feet of 6-inch and 1,100 linear feet of 8-inch sewer mains that will replace existing 4-inch sewer mains and service lines that had major pipe sags and groundwater infiltration problems. 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.

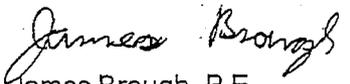
DEQ received the district's letter stating acceptance of the sewer main connections without manholes shown on the engineering plans. Your letter indicates that the district has sufficient cleanouts for maintenance of the sewer main connections. DEQ hereby grants a variance to Chapter 11, Section 9(d) which requires a manhole at every pipe intersection.

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: Matthew Ostdiek, P.E., Rendezvous Engineering, P.O. Box 4858, Jackson, WY 83001
PDF to Cheyenne

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

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

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

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

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

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



09-112



The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

September 23, 2009

William A. Mentock, P.E.
Sanderson Stewart
1095 Sugar View Drive
Sheridan, WY 82801

RE: Return of Plans and Report for VO Gold Subdivision Street and Water Improvements
Sheridan County

Dear Mr. Mentock:

Our office received materials pertaining to the proposed street and water improvements for the VO Gold Subdivision, located in Sheridan County, Wyoming. The original submittal was received in this office on March 13, 2009. We reviewed the submittal and issued comments requesting clarification or additional information on May 7, 2009. A subsequent email was sent to you on September 15, 2009, requesting information on the status of the review comments and the project. To date, we have not received any response to these inquiries. Therefore, in accordance with the Wyoming Department of Environmental Quality/Water Quality Rules and Regulations Chapter 3, Section 14 – Denial of a Permit or Coverage under a General Permit, we are returning all of the application materials to you, as we are unable to process your application.

If you have any questions, please contact me at (307) 473-3478 or kfarle@wyo.gov

Sincerely,

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

cc: Pat Goldhammer, 1405 Nimuet Street, Henderson, NV 89052
Chris Knodel, City of Sheridan
Steve Maier, SAWS, 224 South Main, Ste. B-1, Sheridan, WY 82801
Rod Leisinger, P.E., Sheridan County Engineer, 224 S. Main, Ste. B8, Sheridan, WY 82801
WDEQ File
IPS



Martinez, Rebecca

From: Farley, Karen
Sent: Wednesday, September 23, 2009 9:58 AM
To: Barnes, Barb; Martinez, Rebecca
Cc: Knievel, Jennifer; Engels, Suzanne
Subject: vo gold sub deq #09-112

Barb, Rebecca,

I'm sending this permit app back to the owner/engineer because of inactivity. It is the VO Gold Subdivision Street and Water Improvements, DEQ #09-112.

Do you need a copy of the letter?

Karen L. Farley, P.E.
NE District Engineer
152 North Durbin, Ste. 100
Casper, WY 82601
307-473-3478

Martinez, Rebecca

From: Barnes, Barb
Sent: Wednesday, September 23, 2009 10:22 AM
To: Farley, Karen
Cc: Martinez, Rebecca
Subject: RE: vo gold sub deq #09-112

Hi Karen,

Any time you return an application and materials to someone because of no action, we need a copy of the letter. The reason for this is, we have no archives for these and need the letter for our book so we know what happened to that particular application and can account for the number we gave you.

Thanks!!!! Barb

From: Farley, Karen
Sent: Wednesday, September 23, 2009 9:58 AM
To: Barnes, Barb; Martinez, Rebecca
Cc: Knievel, Jennifer; Engels, Suzanne
Subject: vo gold sub deq #09-112

Barb, Rebecca,

I'm sending this permit app back to the owner/engineer because of inactivity. It is the VO Gold Subdivision Street and Water Improvements, DEQ #09-112.

Do you need a copy of the letter?

Karen L. Farley, P.E.
NE District Engineer
152 North Durbin, Ste. 100
Casper, WY 82601
307-473-3478



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 24, 2009

Steve Cielinski, Mayor
P.O. BOX 417
Glenrock, WY 82637

RE: Glenrock WWTF Flume,
Application No. **09-113**, Converse County

Dear Mr. Cielinski:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installation of approximate 60 LF of 12 inch SDR 35 PVC Sanitary Sewer and a Parshall flume metering vault, SE ¼ Section 3, T34N 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 April 24, 2011.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **09-113** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/9-0337

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Thomas J. Brauer, C.E.P.I., 6080 Enterprise Drive, Casper, WY 82609





Department of Environmental Quality

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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 13, 2009

Nancy Tia Brown, Mayor
City of Cody
P.O. Box 2200
Cody, WY 82414

RE: 10th St. and Heart Mountain St. 6" water main upgrade project. DEQ Permit #09-114, Park County, NW1/4, SE1/4 Sec 31, T53N, R101W

Dear Mayor Brown:

This project consists of the installation of approximately 403 linear feet of 6 inch water main. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 2, 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
Stephen Payne, P.E., Public Works Director, City of Cody, P.O. Box 2200, Cody, Wyoming, 82414

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

ABANDONED MINES
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FAX 332-7726

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LAND QUALITY
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FAX 332-7726

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-115R

Buffalo Bill Campground New Water Well Connection
Public Water Supply System #P169365W

This permit hereby authorizes the applicant:

Boy Scouts of America, Central Wyoming Council #638
3939 Casper Mountain Rd.
Casper, WY 82602

to connect the new water supply well (1A) to the existing water distribution system; to install a well pump rated for 100 Gallons per minute at 30 feet total dynamic head; to install a new 5,000 gallon water storage tank in the distribution system; and to install a 100 Gallon per minute booster pump, rated at 120 feet of total dynamic head; according to the procedures and conditions of the application number 09-115. The facility is located about 43 miles West of Cody, Wyoming along Highway 14, and is within SW 1/4, SE 1/4, S22 T52N in the county of Park, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 1, 2012.

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

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

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

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

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

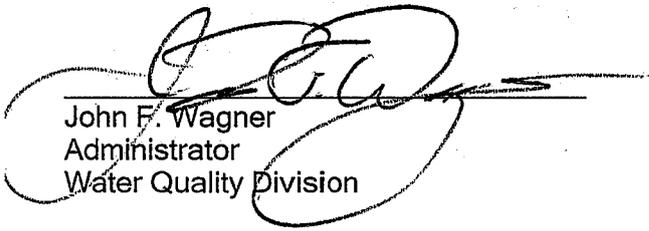
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, or any infringement of federal, state or local laws or regulations.

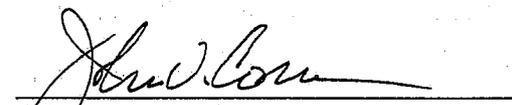
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

4/20/09
Date of Issuance

JSB/HS/bb/9-0319

STATEMENT OF BASIS

1. Permit Number: 09-115
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water supply wells are exempted from review by Chapter 3, Section 17
6. Documentation of Statement of Basis: The archives file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Hannes Stueckler, hstuec@wyo.gov and James S. Brough, jbroug@wyo.gov, Northwest District Engineers and completed on March 31, 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."

HS/JSB/bb/9-0319

Xc: Rebecca Aus, Forest Supervisor, 808 Meadowland Ln, Cody, WY 82414
Bret H. Wolz, P.E., Falcon Consulting Services, LLC, Box 3943, Gillette, WY 82717

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-116

New Rocky Mountain Jr/Sr High School
New Water & Sewer Service Line in Cowley, WY

This permit hereby authorizes the applicant:

Big Horn School District Number One
Attn: Micheal Simmons, Director of Facilities.
PO Box 688.
Cowley, WY 82420

to construct a relocation of 1712 lf of 8" PVC sewer line, 140 lf of 6" PVC sewer line, including six manholes and the installation of 1702 lf of 6" PVC waterline according to the procedures and conditions of the application number 09-116. The facility is located about within the Town Limits of Cowley at SW 1/4 Section 32, T.57 N., R.96W. in the county of Big Horn, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by March 31, 2010.

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.

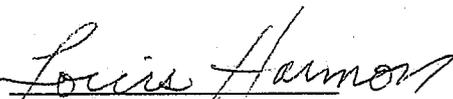
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit.

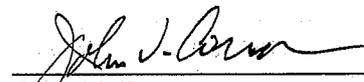
This permit does not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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), Northwest 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

3/20/09
Date of Issuance

TEP/rm/9-0223

STATEMENT OF BASIS

1. Permit Number: 09-116
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?

No, see variance below.

A variance is required from Chapter 11, Section 9 (c)(i)(C) which requires a minimum slope of 0.004 ft/ft for 8-inch pipe and 0.006 ft/ft for a 6-inch pipe. A variance from this regulation is granted based upon Policy 13.9.13. The construction of the proposed pipe will be installed with 400 lf of 8" pipe at 0.003 ft/ft and 140 lf of 6" pipe at 0.00426 ft/ft slope. The construction of the proposed sewer line will satisfy Policy 13.9.13 by the following provisions:

- 1) Pipe constructed of either ASTM D3034 SDR 35 PVC pipe or epoxy lined ductile iron pipe (both will result in flowing full velocity greater than 2 feet per second,*
- 2) The sewer grade will be established by a laser,*
- 3) The pipe will be bedded with Type 1 bedding material using Type A Trench Backfill methods or cement treated fill,*
- 4) The sewer line will be constructed under full time inspection, and*
- 5) The Town has sent a letter stating their acceptance of the design.*

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 Tod E. Polson, PE under the direction of James Brough, PE, Northwest District Engineer and completed on March 19, 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: Scott Lewis, PE, Inberg-Miller Engineers, 428 Alan Road, Powell, WY 82435



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 17, 2009

Dail E. Barbour, Facility Manager
Teton County c/o Teton County Library
PO Box 1629 Alta School Rd.
Jackson, Wyoming 83001

RE: WDEQ Permit No. 09-117; Teton County Library - New 6" watermain and 4" water service for fire suppression and domestic water supply.

Dear Mr. Barbour:

Project includes installation of approx: 480 lf of PVC 6" water main and 137 lf of 4" PVC water service along Targhee Towne Road to the Alta Branch of the Teton County Library.

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

You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. If you have any questions, please contact either myself or the NW District Engineer: James Brough at 307-332-3144.

Sincerely,

Tod Polson, P.E.
Environmental Engineer
Water Quality Division

xc: Holly Pratt, Nelson Engineering, PO Box 1599, Jackson, WY 83001
IPS

encl: General Permits For an Public Water Supply System

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

ABANDONED MINES
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FAX 332-7726

AIR QUALITY
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FAX 332-7726

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

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

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT
PWS #5600760

PERMIT NO. 09-118

REFERENCE PERMIT NO. 94-463

Means Improvement and Service District Chlorination System Upgrades

This permit hereby authorizes the applicant:

Means Improvement and Service District
P.O. Box 1661
Gillette, WY 82717

to construct, install or modify the Means Improvement and Service District Chlorination System Upgrades, according to the procedures and conditions of the application number **09-118**. The facility is located in the SW $\frac{1}{4}$, SE $\frac{1}{4}$ of Section 9, Township 50 North, Range 72 West, Campbell County. The facility is further located at approximately 1.5 miles north of the City of Gillette off of HWY 14-16. All construction, installation, or modification allowed by this permit shall be completed within one year of issuance.

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

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

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

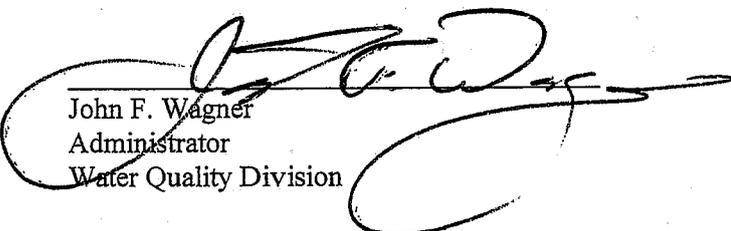
Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations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

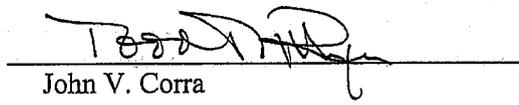
The permittee shall construct and shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or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

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

5-26-09
Date of Issuance

KLF/rm/9-0414

cc: Adam Spindler, P.E., Centennial Collaborative, 400 S. Miller Avenue, Gillette, WY 82716
Phillip Giffin, Campbell County Department of Public Works, 500 S. Gillette Ave., Suite 1400,
Gillette, WY 82716

STATEMENT OF BASIS

1. Permit Number: **09-118**
2. Application reviewed for compliance with the following applicable regulations :
Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?

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

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley, P.E., and completed on May 22, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-119

REFERENCE PERMIT NO. 09-072

Lance-Fox Hills #3 Water Supply Well

This permit hereby authorizes the applicant:

Basin Electric Power Cooperative
Dry Fork Station
12460 North Hwy 59
Gillette, WY 82716

to drill, construct, develop and test the Lance-Fox Hills #3 Water Supply Well, according to the procedures and conditions of the application number 09-119. The facility is located in the NW ¼, NW ¼, Section 23, Township 51 North, Range 72 West, Campbell County, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2009.

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

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

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

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

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

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

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

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

1 of 5 The applicant will provide immediate oral or written notice to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601, Phone 307-473-3465, FAX 307-473-3458, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.

2 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY, 82601 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.

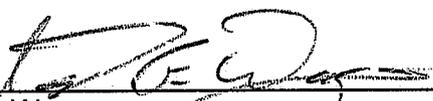
- a. Date that construction of the facility was completed; and
- b. Date that the facility was placed in operation; and
- c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
- d. Certification the facility was completed with changes or modifications.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

3 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

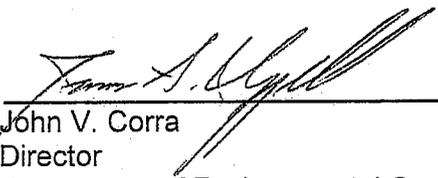
4 of 5 Disinfection in accordance with Chapter 12, Section 9(b)(A)(II) shall be performed.

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

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

10-2-09

Date of Issuance

STATEMENT OF BASIS

1. Permit Number: **09-119**
2. Application reviewed for compliance with the following applicable regulations :
Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?

NO – see below

The permit approval is based upon a deviation from applicable regulations in accordance with Section 5 of Chapter 12.
4. Facilities include components not specifically covered or differing from applicable regulations and approval is based upon a deviation in accordance with Section 5.
 - a. The permit includes approval to deviate from the following regulatory requirements:

Chapter 12 Section 9 (b)(C)(IV)(1.) requires “Cement conforming to ASTM Standard C15 and water, with not more than 6 gallons of water per sack of cement, must be used for 2 inch openings.” The use of a light cement mix that has been already evaluated by this department and approved for use in previous public water supply wells and also approved for use by the Wyoming Oil and Gas Commission will be allowed.
 - b. Briefly state the basis for the deviation.

The light cement is requested due to the considerable depth of the well and the desire to reduce the hydrostatic pressure on the cement column. A cement bond log will be required. Well construction methods will consist of pressure grouting in combination with centralizers spaced at regular intervals.
5. A review to determine groundwater impacts in accordance with Section 17, Chapter 3 is not required.
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley and completed on October 1, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-120

REFERENCE PERMIT NO. 08-754 (Well)

Northeast Wyoming Welcome Center Water System

This permit hereby authorizes the applicant:

State of Wyoming, Dept of A&I, Construction Management
700 W. 21st Street
Cheyenne, WY 82002

to construct, install or modify the Northeast Wyoming Welcome Center Water System, according to the procedures and conditions of the application number 09-120. The facility is located at Exit 199 on Interstate 90, approximately 12 miles northeast of Sundance, Wyoming, in Crook County. The facility is further located in the NE ¼, Section 5, Township 52 North, Range 61 West. All construction, installation, or modification allowed by this permit shall be completed within five years of issuance.

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

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

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

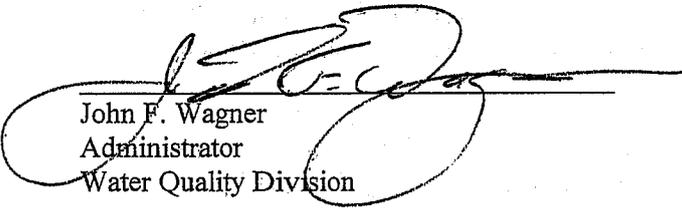
Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations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

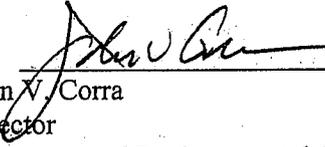
The permittee shall construct and shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or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

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

7/29/09
Date of Issuance

KLF/rm/9-0645

cc: Larry Konetzki, P.E., WYDOT, 10 E. Brundage Lane, Sheridan, WY 82801
John Wetstein, P.E/P.G., Wester-Wetstein & Associates, Inc., P.O. Box 2202, Laramie, WY 82073

STATEMENT OF BASIS

1. Permit Number: **09-120**
2. Application reviewed for compliance with the following applicable regulations :
Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?

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

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley, P.E., and completed on July 27, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-121

Aspen - Highlands Water Booster Pump Station Renovation & Expansion

This permit hereby authorizes the applicant:

David Taylor, Manager
Pine Glades Development, LLC
P.O. Box 11870
Jackson, WY 83002

to expand the existing Aspen Highlands Water Booster Pump Station Building to serve addition service taps and to increase fire suppression flow capacities; according to the procedures and conditions of the application number 09-121. The facility is in the Town of Jackson's limits and is within N ½ SE ¼, Section 33, T41N, 116W in the county of Teton, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 1, 2012.

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

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

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

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

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

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

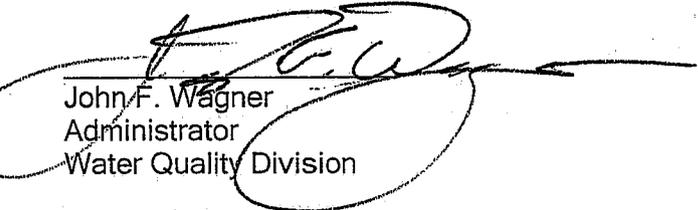
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit.

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

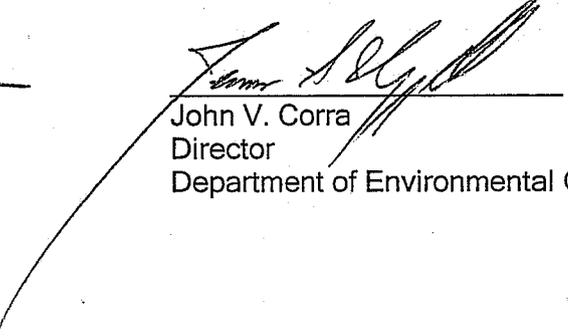
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all or the following permit conditions:

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

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

4-24-09
Date of Issuance

JSB/rm/9-0331

STATEMENT OF BASIS

1. Permit Number: 09-121
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water systems are exempted from review by Chapter 3, Section 17
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, jamesbrough@wyo.gov, Northwest District Engineer and completed on April 22, 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: Randy Schrauder, P.E., Rendezvous Engineering, P.C., P.O. Box 4858, Jackson, WY 83001
Shawn O'Malley, P.E., Town of Jackson, P.O. Box 1687, Jackson, WY 83001

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT
PWS #5680179

PERMIT NO. 09-123

REFERENCE PERMIT NO. 08-137(well)

Keyhole State Park Well Pump, Pitless Adaptor and Waterline Installation Project

This permit hereby authorizes the applicant:

Wyoming State Parks, Historic Sites & Trails
2301 Central Avenue, Barrett Building, 4th Floor
Cheyenne, WY 82002

to construct, install or modify the Keyhole State Park Well Pump, Pitless Adaptor, and Waterline Installation Project, according to the procedures and conditions of the application number **09-123**. The facility is located in the SW $\frac{1}{4}$, SW $\frac{1}{4}$, of Section 35, Township 51 North, Range 66 West, Crook County. The facility is further located along the southeast shore of the Keyhole Reservoir near Moorcroft, Wyoming. All construction, installation, or modification allowed by this permit shall be completed within two years of issuance.

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

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

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

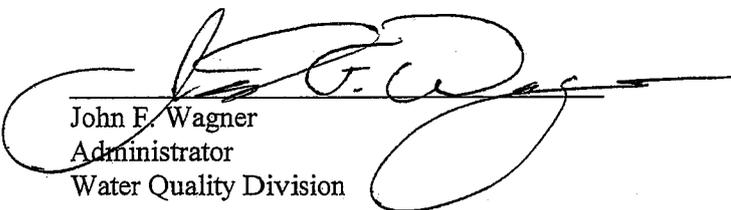
Nothing in this permit shall be construed to preclude the institution of any legal action or other proceeding to enforce any applicable provision of law or rules and regulations. It is the duty of the permittee, owner and/or operator to comply with all applicable federal, state and local laws or regulations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

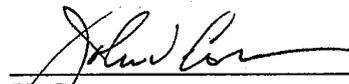
The permittee shall construct and shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or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

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

5/22/09
Date of Issuance

KLF/rm/9-0417

cc: James K. Murphy, P.E., AVI, P.E., 1103 Old Town Lane, Suite 101, Cheyenne, WY 82009
Fred Duncan, Crook County Growth and Development

STATEMENT OF BASIS

1. Permit Number: 09-123
2. Application reviewed for compliance with the following applicable regulations :
Chapter 3 and Chapter 12 of the Wyoming Water Quality Rules and Regulations
3. Does the permit comply with all applicable regulations identified above?

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

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Karen L. Farley, P.E., and completed on May 22, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-124R

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

This permit hereby authorizes the applicant:

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

to drill, construct, develop and test Teton Village Water & Sewer District Well #3; according to the procedures and conditions of the application number 09-124R. The facility is east and down gradient from Teton Village within an access and utility easement where TVW&SD Well #1 and Well #2 are also located. The new well is within NW ¼, SW ¼, Section 19, T52N, R116W in the county of Teton, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 1, 2010.

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

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

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

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

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

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

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

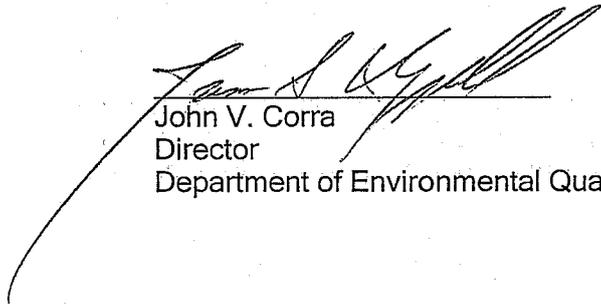
relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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

- 1 of 4 The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Northwest District Engineer, 510 Meadowview Drive, Lander, WY 82520, 307-332-3144, FAX 307-332-3183, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 2 of 4 A Chapter 3 Permit to Construction Application along with plans and technical specifications for the equipping of the well and other construction such as installation of discharge piping, construction of a well house, disinfection, etc. must be submitted to the Wyoming Department of Environmental Quality. A Permit to Construct must be obtained prior to construction of the aforementioned items.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

4-3-09
Date of Issuance

JSB/rm/9-0262

STATEMENT OF BASIS

1. Permit Number: 09-124R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes. However, subsequent plans and specifications must be submitted for the equipping of the well and other construction such as installation of discharge piping, construction of a well house, disinfection, etc.
4. Facilities include components not specifically covered by regulations and approval is based upon a deviation from applicable regulations in accordance with Section 5 of applicable regulations.
No.
5. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Public water supply wells are exempted from review by Chapter 3, Section 17
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by James S. Brough, james.brough@wyo.gov, Northwest District Engineer and completed on April 1, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."

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



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 7, 2009

Allen & Cheryl Robinson
212 Preuit Road
Wheatland, Wyoming 82201

RE: Allen & Cheryl Robinson Residential Septic System,
Location: NE $\frac{1}{4}$ NE $\frac{1}{4}$, Section 15, T24N, R68W,

Application No. **09-125**
Platte County

Dear Mr. & Mrs. Robinson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **2 bedroom** house in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the reporting requirements* contained in the attached "CERTIFICATION of COMPLETION" form. Additionally, the following project specific condition also applies:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on April 7, 2011. Please reference Application Number **09-125** 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

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

OR – Go directly to:

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

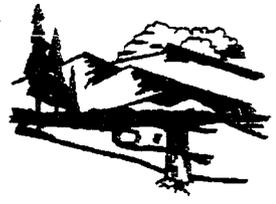
RLE/rm/9-0285

Enclosures: Certificate of Completion

cc: IPS, Cheyenne
Platte County Planner, Marlin Johnson, P.O. Box 728, Wheatland, Wyoming 82201



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

Certified: 7008 0150 0001 1177 2600

October 26, 2009

Wachsmith
P.O. Box 1108
Saratoga, Wyoming 82331

RE: **Inactive Application Number 09-126 / Action: Application Returned-Non Response**
Facility: Wachsmith Replacement Septic Tank,
Location: Section, Township, and Range, not identified Carbon County

Dear Mr. Wachsmith:

Your application, number 09-126, for a replacement septic tank is considered inactive. It has been over 6 months since the Wyoming Department of Environmental Quality / Water Quality Division (WQD) sent out review comments dated April 23, 2009, with the **Action: Not Authorized For Construction**. These review comments indicated that this application could not be permitted as proposed because the application package had numerous deficiencies, incorrect calculations, or was incomplete. Chapter 3, Section 9(a)(ii) of the Water Quality Rules and Regulations states the following:

Incomplete applications will be processed in the following manner:

- 1) Additional information shall be requested in detail or the application may be returned to the applicant. Incomplete permit applications will result in permit denial;
- 2) If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned;

Since it has been over 6 months since the review comments were sent, and in accordance with item 2) above, **this application is being returned** under the assumption that the applicant does not wish to proceed with the permit to construct permitting process 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
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This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and is punishable with fines not to exceed \$10,000 per day of violation. **If this project has already been constructed or partially constructed,** it is your responsibility to immediately contact this office for further information and instructions. If you wish to reconsider construction of this facility, then the application process must be started over and the application procedures pursuant to Chapter 3 of the Wyoming Water Quality Rules and Regulations must be followed.

If you should have any questions, or if the WQD has gotten any of the facts of this situation wrong, or has made any errant assumptions, please contact Ronald Ewald at either (307) 777-6183 or rewald@wyo.gov. Please be reminded that the WQD could show up some time in the future to verify that no unauthorized septic system construction/installation has occurred at this location.

Sincerely;



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

RLE/rm/9-0958

cc: IPS
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West Buffalo
Street, Suite 336, Rawlins, Wyoming 82301
Southeast District, WQD: Inactive Application Returned file

Enclosures: Unapproved application package No. 09-126
Copy of review comments dated April 23, 2009

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

Herschler Bldg., 4 West
Cheyenne, Wyoming 82002

PROJECT: Wachsmith Replacement Septic Tank

LOCATION: ?¼, Section ??, T??N, R??W,

Carbon County

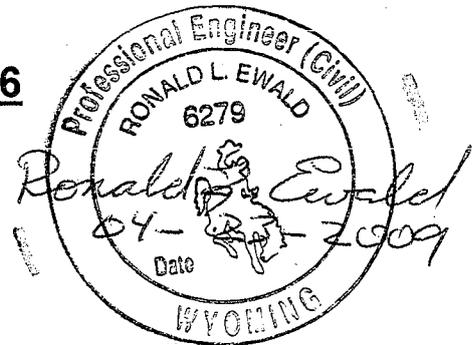
ENGINEER: None

APPLICANT: ????? Wachsmith
Saratoga Lcche Ranch
P.O. Box 1108
Ph: (307) 326-8165

WATER QUALITY DIVISION REFERENCE #: **09-126**

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

DATE OF REVIEW: April 23, 2009



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

COMMENTS, INADEQUACIES, AND QUESTIONS:

General Comment - the hand writing on this application is so bad that this reviewer can't read half of it. This makes it impossible to be able to approve the application. Examples include, but not limited to:

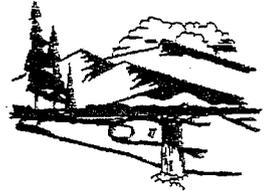
- Can't read first name (instructions say "Printed Name" below signature),
 - Can't read name of ranch, and
 - Can't read line B.4. on Page 2.
1. Location of Facility (property) Required - the ¼ section, Section #, Township, and Range that the facility is located in is required.
 2. Page 1 – General Information Inconsistencies - "septic tank" is not the name of a subdivision or tract. Please provide the correct name and approved date of the subdivision. Also, the Lot# and Block# of your parcel are needed. Are the answers you provided to question number 4 through 7 accurate, or are they just guesses?
 3. Unanswered Questions that Need to be Answered - even though this application is for a septic tank replacement only, all applicable parts of the application still must be completed. The following sections of the application must be completed:
 - A.2. Location,
 - B.6. Seasonal high groundwater level, even if only best estimate,
 - B.7. Depth to bedrock near location of new septic tank,
 - D.1. Design wastewater volume,
 - E.1. Type of Leachfield system, as best you remember,
 - Site Plan
 - Include estimate of size, shape, and dimensions of the existing leachfield on the site plan,
 - Include driveways and roads(with names), and lastly
 - provide some dimensions and distances on the site plan.

RLE/rm/9-0333

Enclosures: Blank worksheets and forms
Copy of original application to work from



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 28, 2009

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

RE: Green River 2009 Capital Improvement Project 09-127, Lat 41.4, Lon 109.46,
Sweetwater County

Dear Mr. Westling:

The above application for coverage under General Permits to Construct, replacement of numerous valve and appurtenances for several street sections of 6 and 8 inch diameter water distribution and sewer collection mains to be constructed in accordance with Chapter 3, Section 7 and Chapter 11, Section 9 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the facilities in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

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

Sincerely,

Perry Roberson
Consulting Engineer
Water Quality Division

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

PDF: Lou Harmon, Brian Mark- WDEQ Cheyenne, Kevin Frank - WDEQ Casper



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-129R

Granger - Pre-sedimentation Basin
PWS WY5600020

This permit hereby authorizes the applicant:

Lenore Siedentop Perry
Town of Granger
P.O. Box 42
Granger, WY 82934

to construct a 390,000 gallon pre-sedimentation basin, control vault and raw water pumps according to the procedures and conditions of the application number 09-129R. The facility is located within the Town of Granger within NE 1/4, Section 32, T19N, R111W in the county of Sweetwater, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by May 6, 2011.

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

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

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

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

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

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

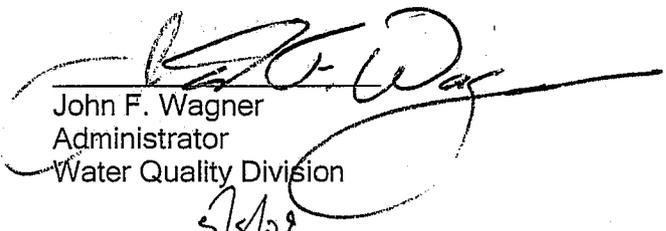
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit.

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

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

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

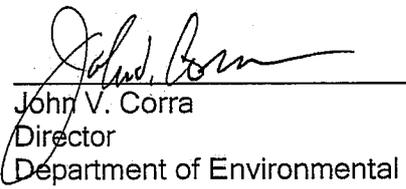
AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division

5/8/09

Date of Issuance



John V. Corra
Director
Department of Environmental Quality

MDB/rm/9-0372

STATEMENT OF BASIS

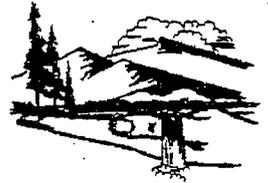
1. Permit Number: 09-129R
2. Application reviewed for compliance with the following regulations:
Chapters 3 and 12 of the Wyoming Water Quality Rules and Regulations.
3. Does the permit comply with all applicable regulations identified above?
Yes.
4. If Section 17 of Chapter 3 review is required indicate the basis for determining groundwater will be protected.
Not Required
5. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review performed by Mark Baron, P.E. Southwest District Engineer and completed on May 6, 2009. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents permit conditions, and the items identified in this "Statement of Basis."



Department of Environmental Quality



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

John Corra, Director

Dave Freudenthal, Governor

NOTIFICATION OF COVERAGE

March 31, 2009

Dean Lyon
134 Bellview Drive
Rock Springs, WY 82901

RE: Rock Springs - Lot 2 Wilcox Subdivision- Sewage Holding Tank - Permit Number 09-130R, NE 1/4, Section 5, T18N, R105W, Lot 2, Wilcox Subdivision, Sweetwater County

Dear Mr. Lyon:

The above application for coverage under General Permit to Construct a sewage holding tank system consisting of two 1000 gallon tanks to serve a four person office in accordance with Chapter 3, Section 7 and Chapter 11, Section 43 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: IPS, Cheyenne

Michael Lock, P.E., D.R. Griffin and Associates, 1414 Elk Street, Rock Springs, WY 82901
Vess Walker, 212 D. Street, Rock Springs, WY 82901

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

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

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

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

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

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



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-131

Town of Dubois Lift Station and Sewer Rehabilitation

This permit hereby authorizes the applicant:

Mark D. Harrison, Mayor
Town of Dubois
P.O. Box 5559
Dubois, WY 82513

to replace an existing 8" gravity sewer main, replace an existing lift station and replace existing 6" force main to facilitate future expansion of the treatment system. The system is within SE ¼, Section 7, T41N, R106W 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, 2013.

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

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

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

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

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

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

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

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

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

AUTHORIZED BY:



John F. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

4/20/09
Date of Issuance

HES/rm/9-0325

STATEMENT OF BASIS

1. Permit Number: 09-131
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.
Public sewer systems are exempted from review by Chapter 3, Section 17
6. Documentation of Statement of Basis: The archive file for this permit includes adequate documentation of all sections of this Statement of Basis.

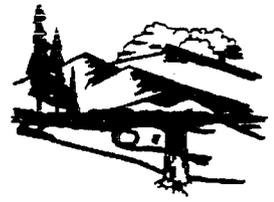
CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Hannes E. Stueckler, hstuec@wyo.gov, Assitant Northwest District Engineer, and James S. Brough, james.brough@wyo.gov, Northwest District Engineer and completed on April 16, 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: Matt Bowers, P.E., Nelson Engineering, P.O. Box 1599, Jackson, WY 83001



Department of Environmental Quality



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 8, 2009

Richard Jackman
P.O. Box 1683
Saratoga, Wyoming 82331

RE: Jackman Residential Septic System, Application No. **09-132**
Location: SE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, Section 31, T18N, R83W, Carbon County

Dear Mr. Jackman:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility for a **4 bedroom** house in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with Chapter 11, Part D of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the reporting requirements* contained in the attached "CERTIFICATION of COMPLETION" form.

The approval granted under this Notification Of Coverage and the General Permit shall expire on April 7, 2011. Please reference Application Number **09-132** in any future correspondence.

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

Sincerely,

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



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

OR – Go directly to:

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

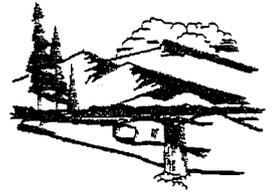
RLE/rm/9-0287

Enclosures: Certificate of Completion

cc: IPS, Cheyenne
Kent Smith, P.O. Box 684, Saratoga, Wyoming 82331
Kristy Rowan, Carbon County Planning Office, Carbon Building, 215 West Buffalo Street, Suite 336, Rawlins, Wyoming 82301



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 27, 2009

Lisa Bradshaw
Town of Lyman
P.O. Box 300
Lyman, WY 82937

RE: Lyman - 2009 Lyman Street Water Line Replacement Project - Permit Number 09-133R,
NE ¼, Section 31, T16N, R114W, Uinta County

Dear Ms. Bradshaw:

The above application for coverage under General Permit to Construct a public water system distribution system extension consisting of about 2452 linear feet of 10-inch PVC water main in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

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

Sincerely,

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

xc: IPS, Cheyenne,
Harry Moore, P.E., Uinta Engineering and Surveying, 808 Main Street, Evanston, WY 82930

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

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

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

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

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

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





The State
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Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

June 24, 2009

John E. Rice and Sons, Inc
dba Wrench Ranch
247 Decker Road
Sheridan, WY 82801

RE: Wrench Ranch Fire Hall Utility Extension, WDEQ #09-134,
City of Sheridan, WY

Dear Sirs:

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 is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permits and the materials submitted in your application package. **Your attention is directed to the mandatory reporting requirements outlined in Part V. Section O. of the general permits.**

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

Sincerely,

Karen L. Farley, P.E.

WDEQ/WQD

Northeast District Supervisor

Enclosures: General Permits, Certificate of Completion

CC: Nolan L. Moxey, P.E., Centennial Collaborative, Inc., 237 North Main, Suite 200, Sheridan, WY 82801
Chris Knodel, City of Sheridan
WDEQ File, IPS (Cheyenne)

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

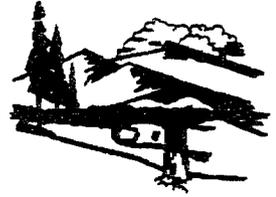
AIR QUALITY DIVISION
(307) 473-3455
Fax: (307) 473-3458

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





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John Corra, Director

NOTIFICATION OF COVERAGE

June 8, 2009

Robert H. Farwell, Deputy Base Civil Engineer
300 Vesle Dr.
F E Warren AFB, WY 82005-2793

RE: FE Warren AFB, Wyo-Renovate Bldg 354
Application No. **09-135**, Albany County

Dear Mr. Farwell:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installation of approximate 200 LF of 6 inch fire protection water main, and a new fire sprinkler system, Section 27, T14N R 57W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by June 8, 2011.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **09-135** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/9-0477

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Rodney G. Trees, 300 Vesle Dr., F E Warren AFB, WY 82005-2793

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

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



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 27, 2009

Dave Dasher
Town of Mountain View
P.O. Box 249
Mountain View, WY 82939

RE: Mountain View 2009 Sewer Replacement and Extension 09-136, NW ¼ Sec 32, T15N,
R120 W, Uinta County

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 12,700 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,

Perry Roberson
Consulting Engineer
Water Quality Division

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

PDF: Lou Harmon, Brian Mark - WDEQ Cheyenne, Kevin Frank - WDEQ Casper
Ken Walker P.E., Uinta Engineering and Surveying Inc., 808 Main Street, Evanston, WY
82930

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

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

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

LAND QUALITY
(307) 332-3047
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SOLID & HAZARDOUS WASTE
(307) 332-6924
FAX 332-7726

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





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Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

April 1, 2009

Ron Drake, P.E. President
Drake Engineering, Inc.
75 West Lincoln Road
Helena, MT 59602-9420

RE: Drake Process Demonstration Project, Ricketts Flat Reservoir, Johnson County
Permit # 09-137

Dear Mr. Drake:

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

Additionally, the following project specific conditions also apply:

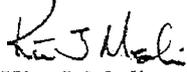
- A. Notification – WDEQ must be notified within 7 days of the start-up of the unit.
- B. Time Frame – This permit expires within 60 days after start-up.
- C. Final Report – A complete final report must be submitted to WDEQ within 6 months after completion of the demonstration project. The final report should include as-built drawings of the unit, sample analysis of influent and effluent water, amount of water treated, and operation information.

Page 1 of 2



If you have any questions please contact Dennis Lamb or Kim Medina at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3452. Thank you.

Sincerely,



Kim J. Medina
Senior Environmental Analyst
CBM Program
WDEQ/WQD

cc: IPS, Cheyenne



The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

April 1, 2009

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

RE: Transfer of Ownership,
Woodland Park Subdivision
Sheridan County, Reference Permit #08-040
Permit #09-138

Dear Mayor Kinskey:

The above Transfer of Ownership 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.

If you have any questions, please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3473. Thank you.

Sincerely,

Suzanne Pagorek
WDEQ/WQD

Enclosures: General Permit

cc: IPS, Cheyenne
WDEQ File
Jason Spielman, P.E., Centennial Collaborative, 237 North Main Street, Sheridan, WY 82801
Woodland Park, LLC, 306 North Main Street, Sheridan, WY 82801
Mike Cole, City of Sheridan, P.O. Box 848, Sheridan, WY 82801
Christopher C. Knodel, City of Sheridan, P.O. Box 848, Sheridan, WY 82801

Sec. 14 T-55 R-84

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





The State
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Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

NOTIFICATION OF COVERAGE

April 2, 2009

David Engels
Sheridan Area Water Supply Joint Powers Board
224 South Main Street, Suite B8
Sheridan, WY 82801

RE: Transfer of Ownership,
Arab Acres Water Line Extension
Sheridan County, Reference Permit #07-347
Permit #09-139

Dear Mr. Engels:

The above Transfer of Ownership 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.

If you have any questions, please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3473. Thank you.

Sincerely,

Suzanne Pagorek
WDEQ/WQD

Enclosures

cc: IPS, Cheyenne
WDEQ File
William Mentock, P.E., Engineering, Inc., 1030 N Main #2, Sheridan, WY 82801
Tyler Diefenderfer, 320 Rock Creek Road, Buffalo, WY 82834
Mike Cole, City of Sheridan, P.O. Box 848, Sheridan, WY 82801

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

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(307) 473-3465
Fax: (307) 473-3458



PERMIT TO CONSTRUCT

X New
- Renewal
- Modified

PERMIT NO. 09-141
SPECIAL CONDITIONS

Jim Bridger Power Plant - FGD Pond 1 Closure

This permit hereby authorizes the applicant:

PacifiCorp
P.O. Box 158
Point of Rocks, Wyoming 82942

to construct, install and/or modify a soil cover to close and cap FGD Pond #1 and a Groundwater Recovery System according to the procedures and conditions of the application number 09-141. The facility is located in Section 35, T21N, R101W in the county of Sweetwater, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by April 20, 2014.

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

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

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

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

The permittee shall notify representatives from the DEQ, Water Quality Division when the construction commences and give an estimate of completion for the project. The authorized representative in your area can be contacted at the following address: WDEQ, Water Quality Division, 510 Meadowview Drive, Lander, Wyoming 82520; telephone (307) 332-3144; FAX (307) 332-7726.

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

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

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

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

1. The applicant will provide immediate oral and/or written notice of any changes or modifications which are not consistent with the terms and conditions of this permit to the WDEQ, Water Quality Division, 510 Meadowview Drive, Lander, WY 82520; (307)332-3144; FAX (307)332-7726; in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations.
2. After the monitoring well(s)/piezometer(s)/recovery well(s) have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements. No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division.
3. WDEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of groundwater monitoring wells/piezometers and sample collection so that they may be on site if deemed necessary.
4. The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
5. *Environmental Monitoring Program for Groundwater of the State:*
 - i. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity and performed in accordance with WDEQ or EPA approved Standard Procedures or Quality Assurance/Quality Control (QA/QC) Plan.
 - ii. The permittee shall maintain records of all monitoring information for a period of at least 3 years.

- iii. Records of monitoring information shall include:
- iv. The date, exact place, and time of sampling or measurements;
- v. The name(s) of individual(s) who performed the sampling or measurements;
- vi. The Mean Sea Level elevation of the water table to the closest .01 ft., and the depth to water (to the closest .01 ft.) from a marked measuring point at the top of casing.
- vii. Sampling procedures and sample preservation accomplished;
- viii. The date(s) analyses were performed;
- ix. Names of individuals who performed the analyses;
- x. The analytical techniques or methods used; and
- xi. The results of such analyses.
- xii. Groundwater samples from the monitoring wells shall be analyzed as indicated on the following table. This table supersedes any previous permit requirements.

WELL NAME OR NUMBER	SAMPLING FREQUENCY	ANALYTICAL METHOD(S)	PARAMETER(S) ANALYZED	PERMIT LIMIT
NA	NA - wells are for dewatering only	NA	NA	

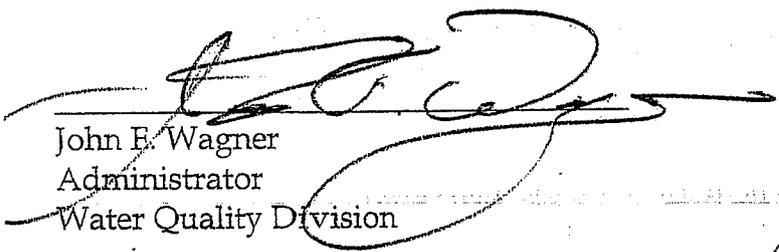
* Permit Limits (i.e. Groundwater Protection Standards) are only required for compliance monitoring wells. All chemical concentrations in this permit are expressed in mg/l unless otherwise noted.

6. The cover for FGD Pond #1 shall be constructed and monitored as proposed in the November 2008 Closure Plan, following SHWD's Landfill Closure and Post Closure Care Guideline #16, Final Cover Specifications Guideline #13 and the Draft Evapotranspiration Cover guideline that was provided to PacifiCorp at an earlier date.

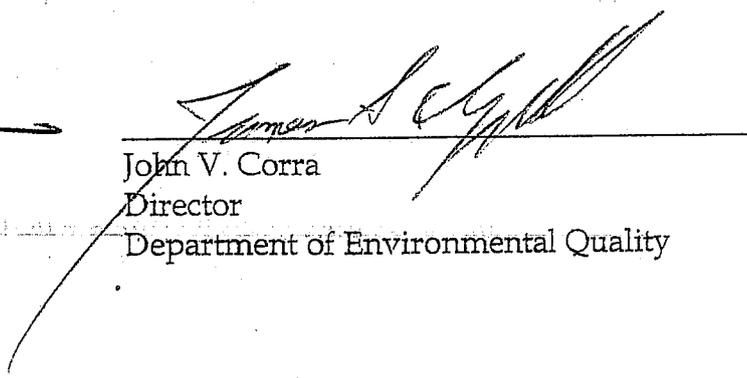
7. All other permits such as storm water permits need to be applied for separately.

8. Following the completion of construction of the cover and the groundwater recovery system, a completion report shall be submitted that includes as built diagrams of the cover and the recovery system. In addition, a long term monitoring and post closure plan shall be included that addresses the SHWD requirements for post closure care for landfill covers.

AUTHORIZED BY:



John E. Wagner
Administrator
Water Quality Division



John V. Corra
Director
Department of Environmental Quality

4-28-09
Date of Issuance

JVC/JFW/MFT/bb/9-0322

cc: IPS
Lander

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

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

SITE NAME: JIM BRIDGER POWER PLANT FGD POND #1

SITE STATUS: SITE (POND) CLOSURE

APPLICANT:
Robert Arambel
Jim Bridger Power Plant
P.O. Box 158
Point of Rocks, WY 82942

ENGINEER/CONSULTANT:
MWH
10619 South Jordan Parkway
Suite 100
Salt Lake City, UT 80109

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 09-141

EXISTING NEW AS BUILT

TITLE: Jim Bridger Power Plant FGD Pond 1 cover and groundwater recovery system

PLANS SPECS PROPOSAL REPORT
[Check all that APPLY]

DATE ON PROPOSAL/PLANS/REPORT: October 2008 (date stamped 4/2/09)

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES

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

REVIEWING OFFICIALS:

Mark Thiesse P.G.

DATE OF THIS REVIEW: April 20, 2009

ACTION: FGD Pond #1 Closure Plan accepted as submitted

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description. The plant is located 10 miles east of Superior, Wyoming, in Sweetwater County. The legal description is Section 35, T21N, R101W. The property is owned by PacifiCorp. Four coal-fired boilers produce steam for turbines used to generate electricity. The steam is then condensed into water in evaporative cooling towers and re-circulated back to the boilers for reuse. Exhaust gas from the boilers is routed through scrubbers that remove sulfur dioxide. The primary wastewater solutions produced by the plant are evaporation water and spent flue-gas desulfurization (FGD) solution which are disposed of into ponds.

1.2 Site History. Four ponds exist northwest of the facility: FGD Pond 1, FGD Pond 2, Evaporation Pond, and the Surge Pond. FGD Pond 2 was constructed in November 1974, before the construction of any other ponds. The Evaporation Pond was constructed in November 1976. FGD Pond 1 was constructed in 1979. A liner of compacted native material was created on the bottom of FGD Pond 1 to minimize seepage, and is the only lined pond at the facility. The Surge Pond is located about ½ mile south of the plant and receives incoming water from the Green River pipeline serving the facility (the Surge Pond water is not expected to have a negative impact on groundwater quality). Because most of the ponds are not lined, there has been impact to the native groundwater from the high total dissolved solids (TDS), water in the FGD ponds. TDS in the FGD ponds average approximately 140,000 mg/l and the Evaporation pond averages about 6,000 mg/l. Background concentrations in the Lewis shale range from 1,000 to 140,000 mg/l TDS, while the readings from the Almond sandstone range from 1,000 to 3,000 mg/l. The variations in TDS levels are explained in the following sections. Groundwater and pond water sampling has been performed for many years. The monitoring has shown an elevated TDS groundwater plume leaving the ponds, impacting the down gradient groundwater. An initial groundwater model was created in 1997 by Hydro Geo Chem. The modeled migration of the TDS plume was proven to be wrong as demonstrated by the monitoring data. After only a few years, the TDS plume had migrated further down the valley alluvium than the model had predicted in a 15 year time frame. Therefore, a new model was created by Water and Environmental Technologies (W&ET) in 2000 and modified in 2001 and 2002. The latest models were created to model the impacts from the proposed expansion of FGD Pond 2 and the closure of FGD Pond 1.

1.3 Summary of Soil and Groundwater Contamination. The main impact at this facility is caused by high TDS process water seeping from the FGD ponds into the groundwater. Most all of the down gradient wells show at least some impact from the FGD water. TDS levels over 100,000 ppm have been measured in the monitoring wells.

1.4 Hydrogeology. Three water bearing formations exist in the area: the Quaternary alluvium, the Lewis Shale, and the Almond Sandstone.

1.4.1 Alluvium. The alluvium and weathered portions of the upper Lewis Shale are considered as a single, heterogeneous aquifer. The alluvium is derived by weathering of the underlying Almond and Lewis formations. It is composed of clay and silt with minor amounts of sand and gravel. Thicknesses vary from zero to over 100 feet. Measured transmissivities in the alluvium range from 6 to 300 ft²/day. The TDS concentrations range from 830 to 140,000 mg/l. This is dependent on the location of the well and the

source of the water. Wells located in alluvium composed mainly of the Almond formation and other sandy to silty sources have relatively low TDS concentrations. Those wells installed in areas overlying the Lewis shale or alluvium primarily composed of shale have generally higher TDS readings. Another factor is the amount of time the water is in contact with the soil. The groundwater absorbs minerals from the shale and causes an increase in TDS over time.

1.4.2 Lewis Formation. The Lewis Formation overlies the Almond Sandstone in this area. The Lewis consists of calcareous, silty, gypsum shale with thin beds of limestone, siltstone, bentonite and dark calcareous shale. A zone of Weathered Lewis ranging from approximately 10 to around 60 feet thick overlies the competent Lewis formation. The thickness of the Lewis aquifer ranges from zero to greater than 100 feet. The shale generally has a transmissivity of less than 2 ft²/day. In areas fractured through faulting, and in the weathered Lewis, the transmissivities increase to around 400 ft²/day. TDS concentrations in the Lewis range from 16,000 to over 100,000 mg/l. This large variation in TDS is primarily due to the time that the water has been in contact with the shale as mentioned above.

1.4.3 Almond Formation. The Almond Formation is a fine to medium grained massive sandstone. The total thickness of this formation is approximately 700 feet in this area. The Almond is fractured along historic faults. The transmissivity and hydraulic gradient along the fracture zones are much higher than where fracturing is not present. West of the contact with the Lewis, the Almond is an unconfined aquifer, with a hydraulic gradient of approximately 0.02 ft/ft to the west. East of the contact, the Almond is confined by the Lewis and has an upward hydraulic gradient. The transmissivities of the Almond vary with location, considering the fracturing mentioned above. The transmissivities are one to two orders of magnitude higher along the fault lines (where the drainages are also located). The transmissivities have been measured ranging from 5 to 500 ft²/day. The TDS values in the Almond have been measured in the 300 to 600 mg/l range. The town of Superior uses groundwater in the Almond as their drinking water source, thereby making this formation a Class I aquifer.

2.0 SUMMARY OF WORK COMPLETED TO DATE:

2.1 Groundwater Monitoring. Groundwater monitoring has been performed since 1974 at the facility. A formal monitoring program began in 1979 following the construction of the FGD and Evaporation pond. Semi-annual monitoring began in 1983 and continues to the present. Sampling is normally done in the spring and fall. Twenty-five wells are currently being used to monitor groundwater quality, and 15 other wells are used for groundwater elevation readings only. The analytical results are summarized by formation as follows:

2.1.1 Alluvium. Groundwater quality of the alluvium is monitored through three (3) wells, AL-1, W-4 and W-5. Well W-5 is the oldest well with the most data, and is located down gradient of the Jim Bridger Plant. The alluvium groundwater has TDS concentrations that range from 90,000 to 140,000 mg/l in samples from well W-5, which is the highest of the three alluvium wells. A general decline in sulfate and TDS corresponds with a general increase in water elevation since the ponds start of operation. In well W-5 chloride concentrations have remained relatively constant at around 2000 mg/l and sulfate concentrations have slowly decreased to from 80,000 mg/l to 40,000 mg/l.

TDS concentrations have tracked well with the decline of sulfate, and have dropped from approximately 130,000 mg/l to 83,000 mg/l. Well Al-1 has TDS concentrations ranging from 10,200 increasing to 11,600 mg/l in 2000. Well W-4 has TDS readings ranging from 28,200 to 33,500 mg/l, with no discernable pattern.

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The Almond formation is one of the sources of the Town of Superior's drinking water. They have a well completed at a depth of approximately 900 feet, located about ½ mile north east of the anticipated pond expansion footprint. Because of the very slim potential for the FGD Pond water to impact the well, Superior and PacifiCorp have reached an agreement for protecting, monitoring, and, if necessary, replacing the source of water if the well does become impacted.

2.1.4 Groundwater Impacts. As mentioned above, groundwater monitoring has shown that water from the FGD ponds (both FDG #1 and FGD #2) have leaked through the ponds in to the shallow groundwater adjacent to, and down gradient of the ponds. FGD pond #1 has caused groundwater impacts that are mainly confined to the Almond formation. The Almond TDS plume heads in a generally eastward direction from FGD pond #1 under the evaporation pond, towards the Deadman Wash valley. This is a fairly narrow confined plume with TDS concentrations measured in 2001 as high as 39,300 mg/l.

Impacts from FGD pond #2 are observed in the Lewis Shale and in the Alluvium. The Lewis Shale impacts are widespread with a general east to northeast migration direction. This direction follows the dip of the formations. The highest readings of TDS in the Lewis are approximately 60,000 mg/l with noticeable impacts in the range of 30,000 mg/l located in wells near Deadman Wash. 2001 TDS concentrations in the Alluvium reach a maximum of 22,500 mg/l just northeast of FGD pond #2, and increases are mapped to the east and running down the Deadman Wash drainage to the south. The impacts in the Alluvium appear to be the most wide spread, showing the greatest down gradient migration distances. However, these contaminants are also found at relatively lower concentrations, staying in the 10,000 to 20,000 mg/l range as you move down Deadman Wash.

2.2 Corrective Action Plan (CAP). As part of the approval for the FGD Pond #2 expansion (Permit #02-081R), PacifiCorp was required to submit a plan for closing and remediating the effects of FGD Pond #1. The current CAP includes a plan for closing the pond, and to continue operation of the pump back system that is intercepting migration of contaminated groundwater. The CAP provided a summary of the site history, site geology and hydrogeology, and contamination that has occurred. The report also provided the results of several hydrogeologic and soil engineering investigations that have occurred and the plans for closing the pond to prevent any further impacts to the environment.

2.2.1 Hydrogeologic Investigations. Three studies were performed to investigate the nature of the FGD pond materials, including the spent liquor, aquifer tests to determine if the liquor can be pumped from the salts to dry the pond, the physical properties of the salt that is precipitated, the present condition of the original clay liner at the bottom of the pond, and the subsurface "bedrock" geology beneath the pond. Some main conclusions are:

The contact of the Almond sandstone and the Lewis Shale could be as much as 500 feet farther east than was previously thought. This infers that more of the pond is located on the drinking water aquifer Almond sandstone. Historical records show that the original groundwater elevation was located approximately 50 to 60 feet below the bottom of the pond.

The aquifer pumping tests demonstrated that the pond should be able to be pumped dry by a series of 12 wells in a conservatively estimated 180 days.

Water gradients in the pond material were discovered to be both upwards and downwards in different areas of the pond.

Coring into the bottom of the pond and into the bedrock below shows that the liquor has penetrated the clay liner and migrated into the formations below.

2.2.2 Material Characterization. A wide variety of geologic engineering and materials testing was performed to determine if this material can be safely worked and if it would be stable enough to construct a "landfill" cover over the pond. Core samples of the salt and clay liner material were collected for testing. Some general conclusions:

The material properties showed it would be difficult to move. If the material was too dry, it would powder and become dust. If it was too wet, it would liquefy and have a very low compressive strength, which would make it difficult to excavate.

If the material was to be excavated, at least 5 to 10 feet of the native soil beneath the pond would also have to be excavated due to migration of the salt into the underlying formations. This adds a significant volume to the excavation volume estimates.

The testing showed that the liquor will "wick" very readily, so must be covered with sufficient cover material to prevent wicking to the surface and causing an airborne dust problem.

2.2.3 Alternatives Evaluation. After presenting the results of the investigations, the CAP provided an analysis of several potential methods of closing FGD Pond #1. Two main considerations were addressed. The first was to prevent on-going seepage of contaminated water into the subsurface. The second was to stabilize the pond and to prevent any further contaminant migration. Four options were evaluated: 1) No Action, 2) Cap in Place, 3) Removal of all the waste from the pond, and 4) Removal of waste that lies over the Almond formation. Briefly, Option 1 was eliminated because something has to be done to prevent continued and future releases of contaminants into the groundwater.

Option 2 discussed leaving the material in place and placing a cover over the pond to prevent any infiltration and the remobilization of the contaminants. Bottom ash will be

placed above the dried/dewatered salt to act as a wicking barrier and to establish the rough grade. Bottom ash will be placed as it was generated by the plant. Top soil from the area of nearby FGD pond 2 will be placed over the bottom ash to establish an evapotranspiration (ET) cover to prevent precipitation infiltration. Wells will be drilled through the cover, into the waste material, to monitor groundwater levels to ensure groundwater is not in contact with the waste. If groundwater does contact the waste, dewatering wells will be put into operation in the interior and along the edge of the pond to remove the influx of groundwater. The existing pumpback system and proposed dewatering wells would be operated when necessary. It will take approximately 5 to 7 years for sufficient bottom ash to be produced and the final cover to be completed. Long term restrictions would be placed on this parcel of land. The cost of this remedy was almost \$3 million.

Option 3 consists of excavating and hauling/pumping the contents of the pond into adjacent FGD Pond #2. After the material is removed, the area of pond 1 would be reclaimed. Depending on how much of the native soil is removed, continued operation of the pumpback system may be necessary due to salt contaminated soil acting as a source of contamination. This was the most expensive option, estimated at slightly over \$28 million.

Option 4 consists of removing the material that overlies the Almond Formation. The intent is to remove the source of contamination over the drinking water aquifer formation, on to the less permeable Lewis Shale, thereby reducing the risk of further contamination to groundwater. Due to the need for sloping the cover, and to construct a dike to hold the material off the Almond, almost ½ of the material would have to be moved to the east. The pumpback and dewatering systems would also have to be operated on an as needed basis. The cost of this option was almost \$15 million.

2.2.4 Alternative Selection/Preferred Alternative. After each of the most likely scenarios were explained, PacifiCorp then evaluated each alternative based on implementability, cost, internal benefits/drawbacks, regulatory benefits and risks. They selected Option 2, the capping in place, as their preferred alternative. This option met the requirements of removing the waste from contact with groundwater, by dewatering, and will prevent future contamination of groundwater by eliminating infiltration of precipitation.

The CAP then discusses how the pond will be closed. More detailed plans and specifications will follow once the general plan is approved. As mentioned above, the pond will be dewatered, and bottom ash will be placed with a varying thickness for drainage, to a maximum thickness of approximately 6-8 feet. The exact thickness will depend on the minimum thickness necessary to eliminate wicking of the salt material through the bottom ash layer. A two foot thick layer of topsoil will be placed on top of the cap to act as the vegetative, or ET cover. Monitoring of groundwater will continue to ensure the material stays dry and that groundwater elevations remain below the level of the waste material. A notice on the deed will be filed with the county clerk. The land is owned by PacifiCorp.

Post closure care was also discussed. Groundwater monitoring will continue, along with operation of the pumpback system adjacent to FGD Pond #1 to prevent the existing groundwater contamination from migrating away from the area of the pond. The cover system will be inspected on a regular basis and any defects will be repaired.

2.3 October 2008 FGD Pond #1 Closure Plan. The current submittal builds upon the CAP and the additional field work that was performed to demonstrate that the pond can be closed in place and that a dirt cover can be stable on the pond. The Closure Plan provides information on how the pond will be dewatered and how the cover will be built and monitored. PacifiCorp plans on following SHWD Landfill Closure and Post Closure Care Guideline #16, Final Cover Specifications Guideline #13 and the Draft Evapotranspiration Cover guideline that was provided to PacifiCorp at an earlier date. The application materials for Permit to Construct 09-141 also provide draft plans for the groundwater recovery system that will be added on to the existing recovery system. Final, as-built construction details will be provided to the WDEQ following construction of the cover and the recovery system.

3.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

3.1 Following the completion of construction of the cover and the groundwater recovery system, a completion report shall be submitted that includes as built diagrams of the cover and the recovery system. In addition, a long term monitoring and post closure plan shall be included that addresses the SHWD requirements for post closure care for landfill covers.

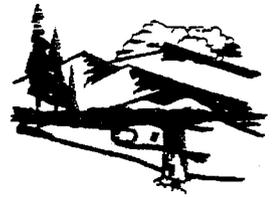
3.2 Any other permits, such as a storm water permit, must be applied for separately.

MFT/bb/9-0322

END OF REVIEW



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 20, 2009

Mr. Robert Arambel
Jim Bridger Power Plant
P.O. Box 158
Point of Rocks, WY 82942

**Re: PacifiCorp Jim Bridger Power Plant, FGD Pond #1 Closure Plan
WQD Permit number 09-141
Sweetwater County, Wyoming**

Dear Mr. Arambel:

The WDEQ/WQD Groundwater Pollution Control (GPC) program has completed its review of the above referenced Closure Plan and Chapter 3 Permit to Construct Application which was received by this office April 2, 2009. The Flue Gas Desulfurization (FGD) Pond, originally permitted by the Water Quality Division (WQD), is being closed as if it were an industrial landfill, using Solid and Hazardous Waste Division (SHWD) Guidelines and requirements. The proposed groundwater recovery system that will be constructed to dewater the pond and to ensure seepage from FGD Pond #2 does not enter the bottom of FGD Pond #1, is being built following WQD Chapter 3 Permit to Construct procedures.

Because the closure of this pond includes requirements from both the SHWD and the WQD, the WDEQ is permitting this action as described under Wyoming Statute § 35-11-803. This Section allows the Director to authorize a permit that covers more than one article of the Environmental Quality Act.

Attached are a Groundwater Pollution Control Program review and a Chapter 3 Permit to Construct. Both documents contain additional requirements for work done on this pond. Please contact Mark Thiesse of my staff at 307/335-6959 if you have any questions concerning this letter, the attached review and permit, or our expectations for this site.

Sincerely,

John V. Corra.
Director
Department of Environmental Quality

JVC/bb/9-0322

Attchs: GPC Review

Permit to Construct 09-141

cc: Mr. Bryan Carr, 1407 West North Temple, Suite 330, Salt Lake City, UT 84116 (w/attchs)
Mr. Kevin Frederick, Manager, Groundwater Section, WQD/Cheyenne (w/attchs)
Mr. Mark Thiesse, West District Supervisor, WQD/Lander (w/attchs)
Lander File(2): Jim Bridger Power Plant, Process Water Ponds, Sweetwater/Chron (w/attchs)
IPS

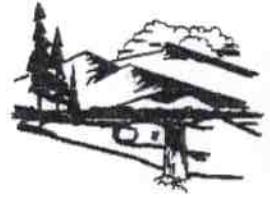
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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

June 11, 2010

Mr. Robert Arambel
Jim Bridger Power Plant
P.O. Box 158
Point of Rocks, WY 82942

**Re: PacifiCorp Jim Bridger Power Plant, Modification to Permit #09-141
Abandonment of dewatering investigation wells, FGD Pond #1, May 10,
2010
Sweetwater County, Wyoming**

Dear Mr. Arambel:

The WDEQ/WQD Groundwater Pollution Control (GPC) program has completed its review of the request, referenced above, to modify existing Permit to Construct #09-141. PacifiCorp requested approval to properly abandon, per Chapter 11, Part G, fourteen (14) dewatering investigation wells. These wells are located within the boundary of FGD Pond #1 where destruction of the wells during construction of the approved cover is likely. The GPC concurs that proper abandonment presents an opportunity to prevent random well destruction, which could provide an avenue for surface water to groundwater. Please refer to the attached GPC review for additional information on the proposal.

After reviewing your proposal, GPC approves your request. Details of abandonment must be provided to GPC along with reporting as required in Permit to Construct 09-141. In addition, if utilization of the off-pond pumpback systems for dewatering proves inadequate, the contingency plan outlined in the Corrective Action Plan may be exercised. You may contact me at (307)335-6980 or the address provided if you have any questions concerning this letter.

Sincerely,

Deborah Harris, PG
GPC West District Supervisor
Wyoming Department of Environmental Quality
Water Quality Division

Attch: GPC Review



Pacificorp Jim Bridger Power Plant
P-to-C 09-141, FGD Pond #1, Modification letter
Page 2 / June 11, 2010

cc: Mr. William Coble, Mayor, Town of Superior, PO Box 40, Superior, WY 82945
(w/atth)
Mr. Jeff Tucker, PacifiCorp, 1407 W. North Temple, Suite #270, SLC, UT 84140
(w/atth)
Mr. Kevin Frederick, Manager, Groundwater Section, WQD/Cheyenne (w/ atth)
File(2): Jim Bridger Power Plant, Process Water Ponds, Sweetwater / Chron
(w/atth)
IPS: (w/ atth - letter and attachment to be added to Permit #09-141)

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

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

SITE NAME: JIM BRIDGER POWER PLANT FGD POND #1

SITE STATUS: SITE (POND) CLOSURE

APPLICANT:
Robert Arambel
Jim Bridger Power Plant
P.O. Box 158
Point of Rocks, WY 82942

ENGINEER/CONSULTANT:
MWH
10619 South Jordan Parkway
Suite 100
Salt Lake City, UT 80109

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 09-141

EXISTING NEW AS BUILT

TITLE: Jim Bridger Power Plant, FGD Pond 1 cover and groundwater recovery system modification

PLANS SPECS PROPOSAL REPORT
[Check all that APPLY]

DATE ON PROPOSAL/PLANS/REPORT: May 10, 2010 (date stamped May 13, 2010)

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES

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

REVIEWING OFFICIALS:


Deborah Harris, PG

DATE OF THIS REVIEW: June 11, 2010

ACTION: Modification to Permit # 09-141, FGD Pond #1 Closure Plan authorized.

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description. The plant is located 10 miles east of Superior, Wyoming, in Sweetwater County. The legal description is Section 35, T21N, R101W. The property is owned by PacifiCorp. Four coal-fired boilers produce steam for turbines used to generate electricity. The steam is then condensed into water in evaporative cooling towers and re-circulated back to the boilers for reuse. Exhaust gas from the boilers is routed through scrubbers that remove sulfur dioxide. The primary wastewater solutions produced by the plant are evaporation water and spent flue-gas desulfurization (FGD) solution which are disposed of into ponds.

1.2 Site History. Four ponds exist northwest of the facility: FGD Pond 1, FGD Pond 2, Evaporation Pond, and the Surge Pond. FGD Pond 2 was constructed in November 1974, before the construction of any other ponds. The Evaporation Pond was constructed in November 1976. FGD Pond 1 was constructed in 1979. A liner of compacted native material was created on the bottom of FGD Pond 1 to minimize seepage, and is the only lined pond at the facility. The Surge Pond is located about ½ mile south of the plant and receives incoming water from the Green River pipeline serving the facility (the Surge Pond water is not expected to have a negative impact on groundwater quality). Because most of the ponds are not lined, there has been impact to the native groundwater from the high total dissolved solids (TDS), water in the FGD ponds. TDS in the FGD ponds average approximately 140,000 mg/l and the Evaporation pond averages about 6,000 mg/l. Background concentrations in the Lewis shale range from 1,000 to 140,000 mg/l TDS, while the readings from the Almond sandstone range from 1,000 to 3,000 mg/l. The variations in TDS levels are explained in the following sections. Groundwater and pond water sampling has been performed for many years. The monitoring has shown an elevated TDS groundwater plume leaving the ponds, impacting the down gradient groundwater. An initial groundwater model was created in 1997 by Hydro Geo Chem. The modeled migration of the TDS plume was proven to be wrong as demonstrated by the monitoring data. After only a few years, the TDS plume had migrated further down the valley alluvium than the model had predicted in a 15 year time frame. Therefore, a new model was created by Water and Environmental Technologies (W&ET) in 2000 and modified in 2001 and 2002. The latest models were created to model the impacts from the proposed expansion of FGD Pond 2 and the closure of FGD Pond 1.

1.3 Summary of Soil and Groundwater Contamination. The main impact at this facility is caused by high TDS process water seeping from the FGD ponds into the groundwater. Most all of the down gradient wells show at least some impact from the FGD water. TDS levels over 100,000 ppm have been measured in the monitoring wells.

1.4 Hydrogeology. Three water bearing formations exist in the area: the Quaternary alluvium, the Lewis Shale, and the Almond Sandstone.

1.4.1 Alluvium. The alluvium and weathered portions of the upper Lewis Shale are considered as a single, heterogeneous aquifer. The alluvium is derived by weathering of the underlying Almond and Lewis formations. It is composed of clay and silt with minor amounts of sand and gravel. Thicknesses vary from zero to over 100 feet. Measured

transmissivities in the alluvium range from 6 to 300 ft²/day. The TDS concentrations range from 830 to 140,000 mg/l. This is dependant on the location of the well and the source of the water. Wells located in alluvium composed mainly of the Almond formation and other sandy to silty sources have relatively low TDS concentrations. Those wells installed in areas overlying the Lewis shale or alluvium primarily composed of shale have generally higher TDS readings. Another factor is the amount of time the water is in contact with the soil. The groundwater absorbs minerals from the shale and causes an increase in TDS over time.

1.4.2 Lewis Formation. The Lewis Formation overlies the Almond Sandstone in this area. The Lewis consists of calcareous, silty, gypsum shale with thin beds of limestone, siltstone, bentonite and dark calcareous shale. A zone of Weathered Lewis ranging from approximately 10 to around 60 feet thick overlies the competent Lewis formation. The thickness of the Lewis aquifer ranges from zero to greater than 100 feet. The shale generally has a transmissivity of less than 2 ft²/day. In areas fractured through faulting, and in the weathered Lewis, the transmissivities increase to around 400 ft²/day. TDS concentrations in the Lewis range from 16,000 to over 100,000 mg/l. This large variation in TDS is primarily due to the time that the water has been in contact with the shale as mentioned above.

1.4.3 Almond Formation. The Almond Formation is a fine to medium grained massive sandstone. The total thickness of this formation is approximately 700 feet in this area. The Almond is fractured along historic faults. The transmissivity and hydraulic gradient along the fracture zones are much higher than where fracturing is not present. West of the contact with the Lewis, the Almond is an unconfined aquifer, with a hydraulic gradient of approximately 0.02 ft/ft to the west. East of the contact, the Almond is confined by the Lewis and has an upward hydraulic gradient. The transmissivities of the Almond vary with location, considering the fracturing mentioned above. The transmissivities are one to two orders of magnitude higher along the fault lines (where the drainages are also located). The transmissivities have been measured ranging from 5 to 500 ft²/day. The TDS values in the Almond have been measured in the 300 to 600 mg/l range. The town of Superior uses groundwater in the Almond as their drinking water source, thereby making this formation a Class I aquifer.

2.0 SUMMARY OF WORK COMPLETED TO DATE:

2.1 Groundwater Monitoring. Groundwater monitoring has been performed since 1974 at the facility. A formal monitoring program began in 1979 following the construction of the FGD and Evaporation pond. Semi-annual monitoring began in 1983 and continues to the present. Sampling is normally done in the spring and fall. Twenty-five wells are currently being used to monitor groundwater quality, and 15 other wells are used for groundwater elevation readings only. The analytical results are summarized by formation as follows:

2.1.1 Alluvium. Groundwater quality of the alluvium is monitored through three (3) wells, AL-1, W-4 and W-5. Well W-5 is the oldest well with the most data, and is located down gradient of the Jim Bridger Plant. The alluvium groundwater has TDS concentrations that range from 90,000 to 140,000 mg/l in samples from well W-5, which is the highest of the three alluvium wells. A general decline in sulfate and TDS corresponds with a general

increase in water elevation since the ponds start of operation. In well W-5 chloride concentrations have remained relatively constant at around 2000 mg/l and sulfate concentrations have slowly decreased to from 80,000 mg/l to 40,000 mg/l. TDS concentrations have tracked well with the decline of sulfate, and have dropped from approximately 130,000 mg/l to 83,000 mg/l. Well Al-1 has TDS concentrations ranging from 10,200 increasing to 11,600 mg/l in 2000. Well W-4 has TDS readings ranging from 28,200 to 33,500 mg/l, with no discernable pattern.

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The Almond formation is one of the sources of the Town of Superior's drinking water. They have a well completed at a depth of approximately 900 feet, located about ½ mile north east of the anticipated pond expansion footprint. Because of the very slim potential for the FGD Pond water to impact the well, Superior and PacifiCorp have reached an agreement for protecting, monitoring, and, if necessary, replacing the source of water if the well does become impacted.

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2.2.3 Alternatives Evaluation. After presenting the results of the investigations, the CAP provided an analysis of several potential methods of closing FGD Pond #1. Two main considerations were addressed. The first was to prevent on-going seepage of contaminated water into the subsurface. The second was to stabilize the pond and to prevent any further contaminant migration. Four options were evaluated; 1) No Action, 2) Cap in Place, 3) Removal of all the waste from the pond, and 4) Removal of waste that lies over the Almond formation. Briefly, Option 1 was eliminated because something has to be done to prevent continued and future releases of contaminants into the groundwater.

Option 2 discussed leaving the material in place and placing a cover over the pond to prevent any infiltration and the remobilization of the contaminants. Bottom ash will be placed above

the dried/dewatered salt to act as a wicking barrier and to establish the rough grade. Bottom ash will be placed as it was generated by the plant. Top soil from the area of nearby FGD pond 2 will be placed over the bottom ash to establish an evapotranspiration (ET) cover to prevent precipitation infiltration. Wells will be drilled through the cover, into the waste material, to monitor groundwater levels to ensure groundwater is not in contact with the waste. If groundwater does contact the waste, dewatering wells will be put into operation in the interior and along the edge of the pond to remove the influx of groundwater. The existing pumpback system and proposed dewatering wells would be operated when necessary. It will take approximately 5 to 7 years for sufficient bottom ash to be produced and the final cover to be completed. Long term restrictions would be placed on this parcel of land. The cost of this remedy was almost \$3 million.

Option 3 consists of excavating and hauling/pumping the contents of the pond into adjacent FGD Pond #2. After the material is removed, the area of pond 1 would be reclaimed. Depending on how much of the native soil is removed, continued operation of the pumpback system may be necessary due to salt contaminated soil acting as a source of contamination. This was the most expensive option, estimated at slightly over \$28 million.

Option 4 consists of removing the material that overlies the Almond Formation. The intent is to remove the source of contamination over the drinking water aquifer formation, on to the less permeable Lewis Shale, thereby reducing the risk of further contamination to groundwater. Due to the need for sloping the cover, and to construct a dike to hold the material off the Almond, almost ½ of the material would have to be moved to the east. The pumpback and dewatering systems would also have to be operated on an as needed basis. The cost of this option was almost \$15 million.

2.2.4 Alternative Selection/Preferred Alternative. After each of the most likely scenarios were explained, PacifiCorp then evaluated each alternative based on implementability, cost, internal benefits/drawbacks, regulatory benefits and risks. They selected Option 2, the capping in place, as their preferred alternative. This option met the requirements of removing the waste from contact with groundwater, by dewatering, and will prevent future contamination of groundwater by eliminating infiltration of precipitation.

The CAP then discusses how the pond will be closed. More detailed plans and specifications will follow once the general plan is approved. As mentioned above, the pond will be dewatered, and bottom ash will be placed with a varying thickness for drainage, to a maximum thickness of approximately 6-8 feet. The exact thickness will depend on the minimum thickness necessary to eliminate wicking of the salt material through the bottom ash layer. A two foot thick layer of topsoil will be placed on top of the cap to act as the vegetative, or ET cover. Monitoring of groundwater will continue to ensure the material stays dry and that groundwater elevations remain below the level of the waste material. A notice on the deed will be filed with the county clerk. The land is owned by PacifiCorp.

Post closure care was also discussed. Groundwater monitoring will continue, along with operation of the pumpback system adjacent to FGD Pond #1 to prevent the existing groundwater contamination from migrating away from the area of the pond. The cover system will be inspected on a regular basis and any defects will be repaired.

2.3 October 2008 FGD Pond #1 Closure Plan. The current submittal builds upon the CAP and the additional field work that was performed to demonstrate that the pond can be closed in place and that a dirt cover can be stable on the pond. The Closure Plan provides information on how the pond will be dewatered and how the cover will be built and monitored. PacifiCorp plans on following SHWD

Landfill Closure and Post Closure Care Guideline #16, Final Cover Specifications Guideline #13 and the Draft Evapotranspiration Cover guideline that was provided to PacifiCorp at an earlier date. The application materials for Permit to Construct 09-141 also provide draft plans for the groundwater recovery system that will be added on to the existing recovery system. Final, as-built construction details will be provided to the WDEQ following construction of the cover and the recovery system.

As modification to the approved FGD Pond #1 Closure Plan, Pacificorp proposes to properly abandon, per Chapter 11, Part G, fourteen (14) dewatering investigation wells. These wells are located within the boundary of FGD Pond #1 where destruction of the wells during construction of the approved cover is likely. GPC concurs that proper abandonment presents an opportunity to prevent random well destruction, which could provide an avenue for surface water or other contamination to groundwater.

3.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

3.1 The Permit Application (#09-141) modification is approved as submitted. Detailed documentation of well abandonment must be included in required reporting. In addition, if utilization of the off-pond pumpback systems for dewatering proves inadequate, the contingency plan outlined in the Corrective Action Plan may be exercised.

END OF REVIEW



Jim Bridger Power Plant
P.O. Box 158
Point of Rocks, WY 82942



May 10, 2010

Ms. Deb Harris
GPC West District Supervisor
WDEQ - Water Quality Division
510 Meadow Drive
Lander, WY 82520

RE: Abandonment of JBPP De-watering Test Wells

Dear Ms. Harris,

This letter is in regard to the abandonment of the de-watering test wells on FGD Pond 1 at the Jim Bridger Power Plant. The wells need to be abandoned to complete installation of the final evapo-transpiration (ET) pond cover and to prevent damage to the wells from large hauling equipment. The wells to be abandoned are shown in orange on the attached Figure 1. All wells will be abandoned according to WDEQ regulations as set forth in Chapter 11, Part G.

The wells to be abandoned were installed to perform a pilot de-watering test of the FGD liquor material in the pond. The pilot test was performed to:

- Determine the hydraulic properties of the liquor material,
- Investigate the feasibility of de-watering the material,
- Determine the hydraulic connection between the material and the surrounding strata, and
- Provide design data for the permanent dewatering system.

Fourteen wells, denoted as DW-1 through DW-7 and JB-1 through JB-5 (with dual depth completions in JB-1 and JB-4) were drilled for the dewatering investigation. Pumps were installed in wells DW-1 through DW-5 and JB-5. Pumping of all the wells began in June of 2007 and by mid-September, the shallower wells went dry and fluid production from pumping wells DW-2 and DW-5 was reduced. Detailed data from the pilot test are included in Chapter 2 of the Correction Action Plan (CAP) for the closure of FGD Pond 1, November 2008.

Section 3.6.4 of the FGD Pond 1 CAP addresses dewatering well abandonment and protection. Following is a complete excerpt of text from this section. *"It is anticipated that dewatering of the spent liquor solids will be completed prior to construction of the soil cover. However, all or a portion of the dewatering wells will remain in place to capture any water infiltration into the FGD Pond 1 during the construction of the cover. The remaining wells will be preserved by extending the well casings as bottom ash is placed. Construction of the cover will be performed*

to protect the remaining dewatering wells and carefully placing bottom ash around and within the rings. The remaining top four feet of the rings will be backfilled with a bentonite seal to prevent preferential flow along the pipe. Any dewatering wells that are deemed unnecessary will be abandoned in place using a cement mixture."

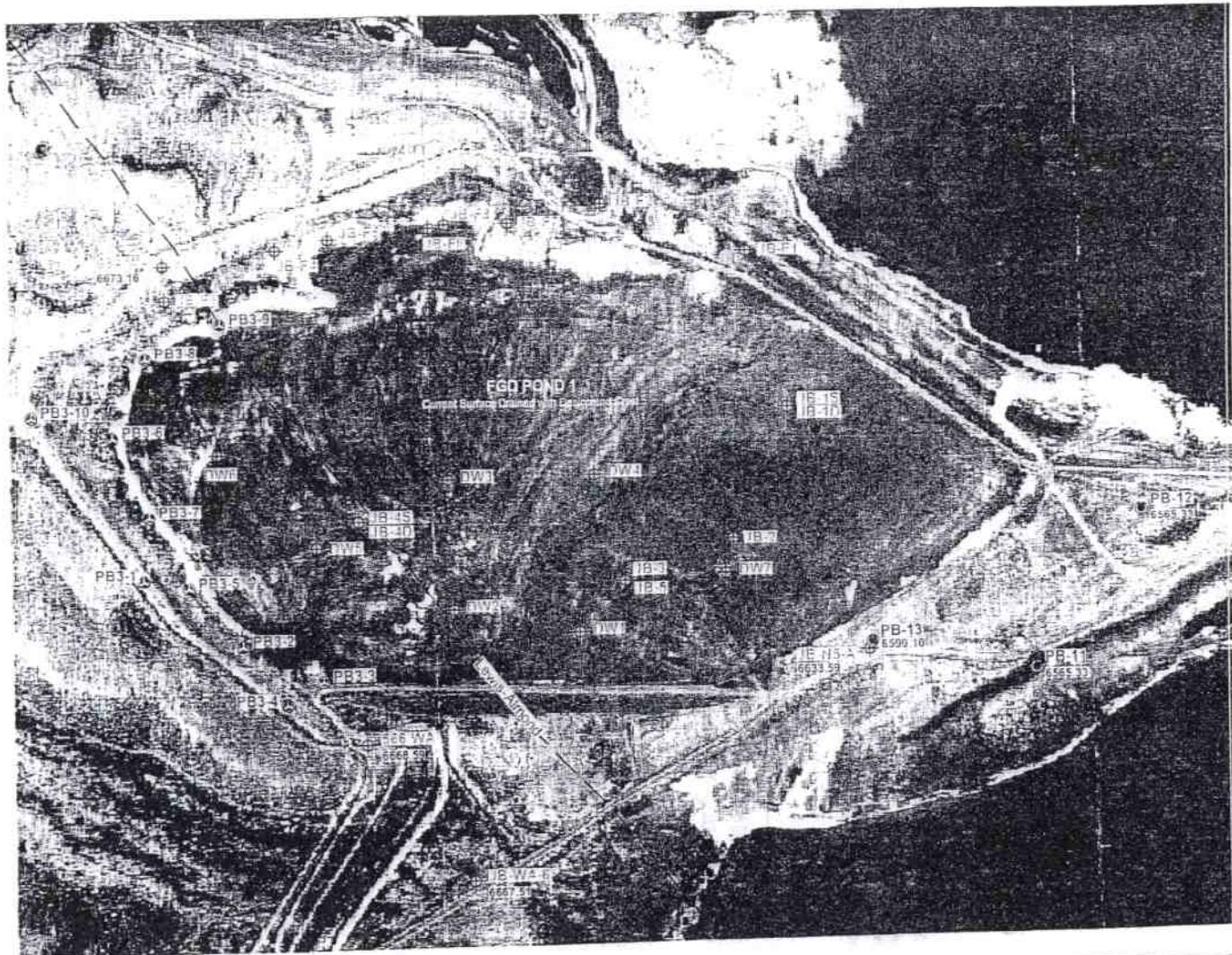
We request a change to this original plan. It has proven difficult to extend the casings on the dewatering wells, while emplacing the bottom ash cover. To prevent damage to the wells, we request permission to close all of the wells on the pond and utilize the off-pond pumpback systems for dewatering.

As shown in Figure 1, FGD Pond 1 has two dedicated off-pond pumpback systems; along the south (Pumpback System 1) and west (Pumpback System 3) edges of the pond. Pumpback System 1 has been operating since 2003 and the Pumpback System 3 wells have been installed as shown in Figure 1, and the pumps and associated system is scheduled to be installed this summer.

As delineated in Section 4 of the Correction Action Plan for the closure of FGD Pond 1, the pumpback systems will maintain hydraulic control of the pond area at a reduced elevation of 6660 ft amsl; below the bottom of the pond liquor. Elevations are currently at 6670 amsl with only Pumpback System 1 operating. Once the target low water level is reached, the extraction rate of the pumps will be reduced for maintenance of that water level. It is anticipated that upon reaching this level and eliminating recharge with construction of the cover, continued operation of the Pumpback System 3 will not be necessary. However, water levels will be monitored monthly for the first six months and quarterly thereafter to regulate operation of the systems. These data will be reported in the annual monitoring report.

A contingency plan has also been developed, and is included as Section 5.5 of the CAP, to address any additional dewatering issues that may develop during closure. Table 5.2 of the CAP is a summary of the contingency plan details and is included below.

C:\working\monr\3\monr\figs\fig1.dwg 2/20/09 10:00:00 AM



Legend

- ⊕ Monitoring Wells w/ October 2009 Water Levels
- ⊕ Monitoring Wells for Dewatering Test (slated for abandonment)
- Pumpback System 1 Wells (South System)
- ⊕ Pumpback System 2 Wells (West System)
- Geologic Formation Contacts

Background image 2006 NADP aerial photograph
 Source: USDA, Resolution: 1 meter



SCALE IN FEET



Jim Singer Power Plant
 Part Of Rocks, Wyoming
 PACIFICORP ENERGY
 FGD POND 1 MONITORING,
 PUMPBACK & DEWATERING SYSTEM WELLS

JE-PLR-0114 Rev 01/09
 DATE: 3/1/09
Figure No.
1

Table 5.2 (from CAP, pg. 5-8)

Scenario	Contingency Action
Pond dewatering cannot be achieved.	<ol style="list-style-type: none"> 1. Add additional wells to the dewatering network. 2. Add horizontal wells to the pond to more efficiently collect remaining water and maintain off-pond pumping centers. 3. Excavate horizontal drains into areas not dewatered and connect to existing pumping wells.
Almond Formation cannot be drawn down.	<ol style="list-style-type: none"> 1. Increase pumping rate of Pumpback System. 2. Add additional wells to Pumpback System.
Seepage from FGD Pond 2 enters into FGD Pond 1 and re-saturates spent liquor solids.	<ol style="list-style-type: none"> 1. Install pumpback/interception system between ponds. 2. Install monitoring wells beneath Pond 1 to determine if seepage is impacting waste.

The intent of this letter is to provide background information on pond closure activities and to request a deviation from the FGD Pond 1 Corrective Action Plan to abandon dewatering wells on the pond that are no longer needed and may become damaged by large hauling equipment during the construction of the pond evapo-transpiration cover.

Thank you for your attention to this matter and please contact Ryan Taucher at 307-352-4287 if you have questions or concerns with this request.

Sincerely,



Robert Arambel
Plant Managing Director

CC: Ryan Taucher
Jeff Tucker
Paul Fahlsing
Dave Erickson
Elizabeth Erickson



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 09-142

Cordero Mine

This permit hereby authorizes the applicant:

Cordero Rojo Mine
Box 1449
Gillette, WY 82717-1449

to install monitoring wells according to the procedures and conditions of the application number 09-142. The facilities are located in the SW $\frac{1}{4}$ Section 24, Township 47 North, Range 71 West in the county of Campbell, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by May 1, 2011.

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

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.

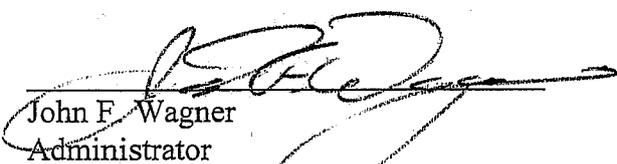
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

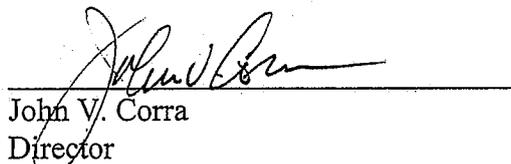
The permittee shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization that 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. The applicant will provide immediate oral or written notice to the Wyoming Department of Environmental Quality/ Water Quality Division, Groundwater Program, 1866 South Sheridan Avenue, Sheridan, WY 82801, 307-673-9337, fax 307-672-2213, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
2. The groundwater in the monitoring wells shall be sampled for free phase hydrocarbons. If free phase hydrocarbons are not found, the ground water shall be sampled for Total Petroleum Hydrocarbons, Diesel Range Organics by EPA Method 8015 modified. The analytical results shall be submitted to the WDEQ with a Report of Investigation (ROI) within 90 days after the site investigation concludes.
3. Future sampling and analyses of the monitoring wells will be contingent on the sampling results and will be established by the WDEQ after review of the ROI.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


John V. Corra
Director
Department of Environmental Quality

4/7/09
Date of Issuance

WDF/rm/9-0279



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

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

PROJECT: Investigation
FACILITY: Cordero Mine Diesel Seep
APPLICANT: Cordero Rojo Mine
748 T-7 Road
P.O. Box 1449
Gillette, WY 92717-1449
Attn: Mr. Roy Liedtke

CONSULTANT: N/A

WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: **09-142**
 EXISTING NEW AS-BUILT

TITLE: Monitoring Wells: Cordero Rojo Mine Diesel Plume Delineation

PLANS SPECS PROPOSAL REPORT

IS THIS PROPOSAL SUBMITTED PURSUANT TO:

'CONDITIONS' TO ANY WQD PERMIT? NO YES

AN LOV, NOV OR OTHER ENFORCEMENT? NO YES

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

DATE OF THIS REVIEW: 4/2/09

ACTION: Permit to Construct 09-142 authorized

COMMENTS: GROUNDWATER SECTION

1.0 SITE SUMMARY:

1.1 Site Description.

Location: The contamination at the Cordero Mine facility is located in the SW 1/4 Section 24/Township 47 North/Range 71 West.

Description of facility -The diesel contamination is likely a result of overfilling of haul truck at the fueling islands.

Potential contaminant sources: Above ground fuel storage tanks

1.2 Site History.

The diesel seep was discovered in 1989. The original investigations were conducted under Wyoming DEQ Permit to Construct number 91-086. Five monitor wells were constructed proximal to the seep in May and June 1991. In February 1993 a UIC permit (93-010) was issued authorizing the operation of an in situ bioremediation system using hydrocarbon degrading microbes. This remediation technique was unsuccessful and has not operated since 1994. In August 1995 permit 95-276 was issued authorizing construction of a pump and treat system. Under this system, free product from the groundwater accumulates in the seep containment structure and is pumped into an oil/water separator. Free product removal continued at a steady rate until tapering off in 1999. At that time, the product layer as measured in the monitoring wells had been significantly reduced, approaching zero thickness. The system has not produced product since early 2000, although it has continued to produce water.

In 2001, product thickness measurements indicated a significant upward trend. The possibility of a fuel leak was ruled out by the operator after checking the fuel handling facilities and fuel records and comparing product samples from the wells to fresh fuel. A buildup of scale within the seep containment sump was evident. Product measurements during late 2001 and early 2002 indicate that the upward trend in product thickness has leveled off. The increase in product thickness may have been related to a decrease in the static water elevation.

1.3. Summary of Soil and Groundwater Contamination

The primary contaminant of concern at the facility is diesel fuel. Because of the free phase hydrocarbons on the water table, the operator has not been sampling for dissolved phase constituents. Upon removal of the free

product on the water table, a remedial action plan will be required to address the dissolved phase components of the groundwater contamination.

1.4 Hydrogeology.

The geology at the spill site consists of fill material, built up by using varying materials, including clays and scoria (clinker) down to a depth of 40 feet. The underlying bedrock is clinker, and reflects the original ground surface. The water bearing zones in the area of concern may be thin perched groundwater bearing zones between the clay lenses. Shallow groundwater encountered may be caused in part by waters infiltrating from surface dust suppression efforts. However, an investigation of the original pre-mine plan also shows that the groundwater potentiometric surface is likely very shallow in the area of the diesel plume.

2.0 SUMMARY OF WORK COMPLETED TO DATE:

2.1 Chronological History of field work

- 1991: installation of 5 monitoring wells.
- 1992: installation of seep containment structure.
- 1993: In-situ bioremediation system authorized (Permit 03-010)
- 1994: Bioremediation system unsuccessful; operation ceased.
- 1995: Pump and treat system begins operation (Permit 95-276).
- 2000: Last time free product removed from system.
- 2005: Pilot project for free product recovery well installed.
- 2006: Pilot project recovery well removed 160 gallons of product.

3.0 REQUESTS/REQUIREMENTS/RECOMMENDATIONS:

3.1 Review of Proposal.

The purpose of the installation of monitoring wells is to define the extent of contamination of the existing diesel plume. After the plume has been delineated, Cordero shall re-evaluate and modify if necessary the proposal for installation of skimmer pumps for free product recovery.

The monitoring wells shall be installed as follows:

One monitoring well approximately 50 feet in depth adjacent and southeast of the fueling area;

One monitoring well southeast of monitoring well MD-25-2;
One well north of the facility haul road.

3.2 Required Actions.

The monitoring wells shall be sampled for free phase hydrocarbons. If free phase hydrocarbons are not found, the ground water shall be sampled for Total Petroleum Hydrocarbons, Diesel Range Organics by EPA Method 8015 modified. The analytical results shall be submitted to the WDEQ with a report of the investigation within 90 days after the site investigation concludes.

If free phase hydrocarbons are detected in the proposed monitoring wells, additional monitoring wells shall be installed to delineate the extent of the diesel plume. The permit authorizes the installation of the additional monitoring wells necessary to delineate the hydrocarbon plume.

END OF REVIEW

WDF/rm/9-0279



Department of Environmental Quality



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 27, 2009

Mr. Leon Pierce
Town of Burns
102 E. 1st Street
Burns, WY 82053

RE: 1st Street Sewer Replacement - Burns, Wyoming
Application No. **09-143**, Laramie County

Dear Mr. Pierce:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installation of approximate 600 LF of 8 inch PVC Sanitary Sewer along First Street, T14N R 62W; Laramie County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 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 April 27, 2011.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **09-143** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/9-0350

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Gary Grigsby, Western R & D, 5908 Yellowstone Road, Cheyenne WY 82009

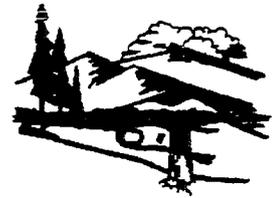
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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

April 29, 2009

Mr. Grant Lindstrom
Laramie Ridge, INC.
1651 Nottage CT.
Laramie, WY 82070

RE: Laramie Ridge Estates 8th Addition- water and sewer lines
Application No. **09-144**, Albany County

Dear Mr. Lindstrom:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installation of approximately 3810 ft of 8 inch sanitary sewer, install 13 new manholes, install five new fire hydrants, and installation of approximately 3920 ft of 8 inch water line, SW ¼ Section 26, and NE ¼ SE ¼ Section 27, T16N R 73W; Albany County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. All construction, installation, or modification allowed by this notification of coverage shall be completed by April 29, 2011.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **09-144** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/9-0355

Enclosure: Certificate of Completion

cc: IPS, Cheyenne
Ted Gertsch, Gertsch / Baker & Assoc, 104 S. 4th St. Suite 100, Laramie, WY 82070
Linda Cope, City of Laramie, P.O. Box C, Laramie WY 82073

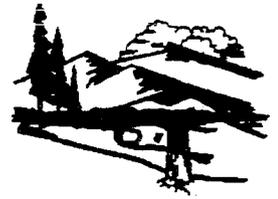
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

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



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Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 29, 2009

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

RE: City of Torrington- 2008 Sanitary Sewer Improvements Project
Application No. **09-145**, Goshen County

Dear Mr. Juve:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and or Existing Sewage Collection Systems described as installation of approximate 2500 LF of 8 inch PVC Sanitary and installation of ten new manholes, Section 4, T24N R61W; Goshen County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 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 April 27, 2011.

This **Notice of Coverage** is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General Permits can be viewed at the following path: http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp. Please reference Application No. **09-145** in any future correspondence.

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

Sincerely,

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/9-0357

Enclosure: Certificate of Completion

cc: IPS, Cheyenne

Larry McCaslin, M.C. Schaff & Associates, 818 Beltline Hwy East, Scottsbluff, NE 69361

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

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



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

Dave Freudenthal, Governor

John Corra, Director

NOTIFICATION OF COVERAGE

April 17, 2009

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

RE: Town of Jackson Pioneer Lane Water System Improvement Project. DEQ Permit #09-146, Teton County, NE1/4, Sec 34, T41N, R116W.

Dear Mr. O'Malley:

This project involves replacing approximately 1900 linear feet of 4 inch steel water main with 8 inch ductile iron pipe, including the replacement of 30 water service and a sanitary sewer manhole. The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11, Part B; 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
James Ramage, P.E., Valley West Engineering, P.O. Box 4852, Jackson, WY, 83001





The State
of Wyoming



Department of Environmental Quality

Dave Freudenthal, Governor

John Corra, Director

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

May 18, 2009

09-147

Brent and Renee Potthoff
21 Deer Draw Trail
Moorcroft, WY 82721

RE: Letter of Violation: Unpermitted Wastewater System;
Return of Application for the Potthoff Residential Small Wastewater System;
21 Deer Draw Trail, Crook County

Dear Mr. and Mrs. Potthoff:

The Wyoming Department of Environmental Quality (DEQ) received an application for a Permit to construct a small wastewater system in Crook County for the proposed Potthoff residential septic system that consists of an existing septic tank and a proposed leachfield. DEQ returned your original application on March 4, 2009 and subsequently received a revised application on April 3, 2009. DEQ performed a completeness review of the April 3, 2009, application and determined that it was incomplete in a review on April 13, 2009. DEQ received your resubmittal on May 15, 2009.

The September 29, 2008 Letter of Violation required you to submit a completed septic system application to the DEQ Casper office within 14 days of receipt of the LOV. Your septic system submittals have not met this requirement. Further, since the percolation rate for your site is greater than 60mpi, you must hire a Wyoming Registered Professional Engineer and notify the DEQ Casper office of your hired consulting engineer by June 5, 2009.

The percolation rates that have been submitted for test holes #1 and #2 were calculated incorrectly. The last drop for both of these holes is 1/8" which equates to 80mpi. $Final\ Drop = 36\ 1/4 - 36\ 1/8 = 36.25 - 36.125 = 0.125$ Therefore, $10\ minutes / 0.125\ final\ drop = 80\ mpi$

Once an engineer has been hired, DEQ will continue to work with you and your engineer to determine an appropriate timeframe to submit a complete septic system application and have the system installed. Therefore, in accordance with Wyoming Department of Environmental Quality/Water Quality Rules and Regulations Chapter 3, Section 14 - Denial of a Permit or Coverage under a General Permit, we are returning all of the application materials to you, as we are unable to process your application without the required information.

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



If you have any questions, please contact me at (307) 473-3473 or spagor@wyo.gov

Sincerely,

A handwritten signature in cursive script that reads "Suzanne Pagorek". The signature is written in black ink and is positioned above the printed name.

Suzanne Pagorek
WDEQ/WQD

cc: Tim Lyons, Crook County
WDEQ File



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

December 1, 2009

Home Technologies, LLC
Greg Martin, Manager
11148 Salmon Run
Fort Collins, CO 80524

RE: **Application Returned Number: 09-148**
Action: Application Returned- incomplete permit application
Facility: Sierra Vista Subdivision
Location: Carbon County

Dear Mr. Martin:

Your application with all submitted documents, number **09-148**, for a Sierra Vista Subdivision is being returned and the file closed. **Action: Not Authorized For Construction.**

These review comments indicated that this application could not be permitted as proposed because the application package had numerous deficiencies or incomplete. It states in **Chapter 3, Section 9(a)(ii)(A)** of Water Quality Rules and Regulations the following:

Incomplete applications will be processed in the following manner:

- 1) Additional information shall be requested in detail or the application may be returned to the applicant. Incomplete permit applications will result in permit denial;
- 2) If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned;

This project **has not been permitted.** Construction of this facility without a permit is a violation of the Environmental Quality Act and is punishable with fines not to exceed \$10,000 per day of violation. If you wish to reconsider construction of this facility, then the application process must be started over and the application procedures pursuant to Chapter 3 of the Wyoming Water Quality Rules and Regulations must be followed.

If you should have any questions, please contact Richard Cripe at either (307) 777-7075 or rcripe@wyo.gov. Please be reminded that the WQD could show up anytime in the future to verify that this facility was not constructed without a permit.

Sincerely;

Richard R. Cripe PE
Southeast District Engineer
Water Quality Division

RRC/rm/9-1074

Enclosures: Application Packages 09-148

cc: IPS

Murray Schroeder, WWC Engineering, 611 Skyline Rd., Laramie, WY 82070

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

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



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NOTIFICATION OF COVERAGE

April 30, 2009

Dana Barclay
817 Brooke Rd.
Virginia Beach, VA 23454

RE: Barclay Small Residential Wastewater System, Crook County
Permit # 09-149

Dear Dana:

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

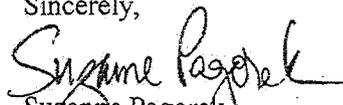
Additionally, the following permit condition applies:

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

Please be advised that Crook County inspects all small wastewater systems permitted through WDEQ. Please contact Crook County Growth and Development at 307.283.4548 to arrange an inspection of the system. **Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils.**

If you have any questions, please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601, or at (307) 473-3473.

Sincerely,


Suzanne Pagorek
WDEQ/WQD

cc: IPS, Cheyenne
WYDEQ File
Travis Dewey, Tri-City Excavating, 169 Thorn Divide Rd, Carlile, WY 82721





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NOTIFICATION OF COVERAGE

May 6, 2009

Arnie Davis
365 Kara Circle
Sundance, WY 82729

RE: Davis Small Residential Wastewater System, Crook County
Permit # 09-150

Dear Mr. Davis:

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

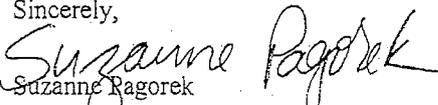
Additionally, the following permit condition applies:

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

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

Septic systems shall not be installed during adverse weather. This includes rain, snow, severely cold temperatures, or excessively moist soils. If you have any questions, please contact me at 152 North Durbin Street, Suite 100, Casper, WY, 82601 or at (307) 473-3473.

Sincerely,


Suzanne Ragorek
WDEQ/WQD

cc: IPS, Cheyenne
WYDEQ File
Tim Lyons, Crook County Growth and Development
Howard White, 901 3rd Ave, P.O. Box 373, Upton, WY 82730

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