

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-052

BLM Rock Springs Wild Horse Holding Facility

This permit hereby authorizes the applicant:

Lance Porter, HDD DM
Department of the Interior, Bureau of Land Management, Rock Springs, Wyoming
280 Highway 191N
Rock Springs, WY 82901

to construct two surface runoff retention ponds to serve corral facilities, and to reinforce existing dikes and berms, and to construct channels to direct flow to the ponds, according to the procedures and conditions of the application number 13-052. No monitoring wells or pond liners will be required due to the low permeability of the soil, the depth to groundwater, the poor quality of the surface aquifer and the municipal water line which serves this area and points down gradient from this site. This project is located at Latitude 41.630743, Longitude -109.222304, NW ¼ of NE ¼ of Section 14 of Township 19 N and Range 105 W, in the county of Sweetwater, in the state of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by October 31, 2015.

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

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

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

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

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

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

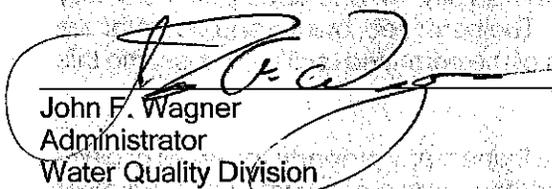
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not

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

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

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

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


Todd Parfitt
Director
Department of Environmental Quality

2/19/13
Date of Issuance

HES/hes//bb/13-0150

STATEMENT OF BASIS

1. Permit Number: 13-052
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. 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 P.E., hannes.stueckler@wyo.gov, Assistant Northwest District Engineer and completed on February 12, 2013. 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."

HES/bb/13-0150

xc: Robert W. Thoman, P.E., BRS, Inc., 1130 Major Ave, Riverton, WY 82501

THE STATE OF TEXAS, COUNTY OF ...

BEFORE ME, the undersigned authority, on this day personally appeared ...

known to me to be the person whose name is subscribed to the foregoing ...

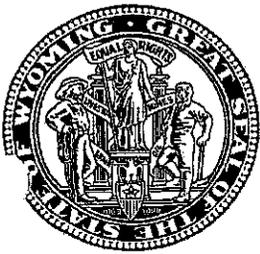
and acknowledged to me that he executed the foregoing instrument for the purposes and consideration therein expressed.

Given under my hand and seal of office this ... day of ... 1900.

NOTARY PUBLIC

My commission expires this ... day of ... 1900.

WITNESSED my hand and seal of office this ... day of ... 1900.



Department of Environmental Quality

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



Matthew H. Mead, Governor

Todd Parfitt, Director

April 17, 2013

CERTIFIED

Mr. Wade Grant, Sr
Snake River Sporting Club
PO Box 7394
Jackson, WY 83002

RE: Snake River Sporting Club Septic System
Final Permit 13-053, Class V Septic System Renewal
Teton County, Wyoming

Dear Mr. Grant:

Attached please find one copy of the Class V septic system permit for the facility referenced above. This permit requires annual inspection and periodic pumping of the septic tanks. It also requires semiannual sampling of the monitoring and public water supply well, and annual reporting of these results to the UIC Program. The corresponding report forms can be filled out using our on-line webform (Monitor Reports Link), or you may have the lab submit them using Electronic Data Deliverable (EDD) at the following site: <http://gem.wqd.apps.deq.wyoming.gov/default.aspx>. For your convenience, the Wyoming Department of Environmental Quality (WDEQ) has printed the inspection forms and enclosed them in this mailing, you may use the paper forms to report your inspection and monitoring activities to WDEQ. Please use the exact well names used in your permit when reporting data to avoid any miscommunications.

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

If you have any questions please do not hesitate to contact me at the below referenced phone number or email.

Sincerely,

Kathy Shreve
Environmental Program Principal
Wyoming Department of Environmental Quality
Water Quality Division
(307) 777-6682
kathy.shreve@wyo.gov

KES/bb/13-0338

Enclosures: Permit
Monitoring Report Forms

cc: John Passehl, WDEQ

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	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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STATE OF WYOMING
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNDERGROUND INJECTION CONTROL PERMIT ISSUED UNDER
WYOMING WATER QUALITY RULES AND REGULATIONS
CHAPTER 16

CLASS V INJECTION WELL

- () New
() Modified
(X) Renewal

Permit Number: 13-053
Facility Number: WYS-039-092
State Subclass: 5E3
Previous Permit Number: UIC 02-318

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: Snake River Sporting Club
Mr. Wade Grant, Sr.
P. O. Box 7394
Jackson, WY 83002
(307) 734-8000

The Snake River Sporting Club, hereafter referred to as the permittee, is authorized to operate the septic system located in the SE¼ of the SE¼ of Section 8, Township 38 North, Range 116 West, of the 6th Principal Meridian, Teton County. The permittee is allowed to operate the facility according to the procedures, conditions, and requirements of this permit.

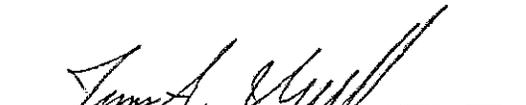
This permit shall become effective on date of issuance.



Kevin Frederick, Administrator
Water Quality Division
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

4-10-13

Date



Todd Parfitt, Director
Department of Environmental Quality
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

4/10/13
Date

KS/rm/13-0338

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A. Discharge Zone

This injection facility (two (2) sanitary leachfields) is authorized to inject 26,550 gallons per day average (calculated as sixty (60%) of the maximum) and 44,250 gallons per day maximum. The primary treated wastewater is injected into the Snake River alluvial aquifer. The depth to groundwater in the vicinity of the leachfields is approximately five to seven (5-7) feet below ground surface. ~~This facility was originally permitted as The Canyon Club Community Soil Absorption System and is now under new ownership.~~

B. Well and Area of Review

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

SE¼ of the SE¼ of Section 8, Township 38 North, Range 116 West, of the 6th Principal Meridian, Teton County

The Area of Review is defined as a circular area of 360 acres with the injection facility located near its center.

The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10	Years
Porosity	20	Percent
Maximum Injection Rate	44,250	GPD
Thickness of Receiver	60-105	Feet
Area of Review	360	Acres
Hydraulic Conductivity	11-15	Feet/Day

C. Groundwater Classification

The groundwater in the alluvial aquifer beneath the permittee's property is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater in this formation is currently being used for domestic purposes at nearby points of withdrawal.

Ground water of Class I shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

The operator is authorized to inject at a pressure of no more than atmospheric pressure as measured at the leachfields. This pressure is controlled by gravity drainage and is not required to be monitored. The permittee is authorized to inject an average of 26,540 gallons per day and a maximum of 44,250 gallons per day. This facility services a subdivision that will consist of 71 single-family home units, an 18-hole golf course, a 10,000 square foot clubhouse and restaurant, lounge, and shower facilities, and a golf course maintenance area, which includes several homes and apartments for staff, a fire station, and restroom facilities (see **Table 2**). As of the date of

this permit renewal, 5 single family homes have been constructed. The wastewater is injected into an unconfined alluvial aquifer along the Snake River. The wastewater is described as primary treated domestic sewage from septic tanks.

Table 2: Snake River Sporting Club Wastewater Flow Projections

Description	Type of Unit	Number of Units	Unit Flow Gallons Per Day (GPD)	Average Discharge (GPD) calculated as 60% of Peak Discharge	Peak Discharge (GPD)
Building Lots	Fee Simple Lots (3.5 Bedrooms per Lot)	66	150 GPD Each Bedroom	22,140	36,900
	Limited Area Lots (3 Bedrooms per Lot)	5	150 GPD Each Bedroom		
Golf Course Clubhouse -- Includes Restaurant, Lounge, and Shower Facilities	Patrons Per Day	160	25 GPD Each	2,400	4,000
Golf Course Restrooms	Patrons Per Day	80	3 GPD Each	144	240
Golf Course Maintenance Complex	Staff Housing (Bedrooms)	14	150 GPD Each Bedroom	1,260	2,100
	Fire Station Apartment (Bedrooms)	2	150 GPD Each Bedroom	180	300
	Additional "Day" Employees	23	30 GPD Each	414	690
Totals				26,540	44,250

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

E. Hazardous Waste

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

F. Proper Operation and Maintenance

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes: effective performance, adequate funding, operator staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit. The injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapters 11, 16 and 25.

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

G. Entry and Inspection

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

H. Environmental Monitoring Program for Groundwaters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. A groundwater sample is considered representative of the aquifer being monitored when the well has been purged to remove stagnant water prior to collection of a sample for laboratory analysis. Purging can be considered complete when a sufficient volume of water has been removed from the well and stabilization of select groundwater parameters has been achieved. It is important to record the circumstances surrounding each sample collection event at your facility. These records can help resolve analytical discrepancies. One or both purging methods below shall be used prior to sample collection:

- a. **Purge by Volume Method**

Removal of a *minimum* of three casing volumes of water from the well should be completed prior to collecting a groundwater sample. Minimum purge volume can be calculated by the following equation:

$$\text{Minimum Purge Volume} \\ = 3 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163 6 inch well = 1.47

4 inch well = 0.653 8 inch well = 2.61

b. Stabilization of Parameters Method

Purging of groundwater until select field parameters have stabilized can be used to demonstrate that a representative sample was collected. Field parameters measured during purging should include at a minimum temperature, pH, and specific conductance. Field parameters should be measured after removal of every half casing volume of water.

Half Casing Volume

$$= 0.5 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163 6 inch well = 1.47

4 inch well = 0.653 8 inch well = 2.61

A minimum of six (6) parameter measurements should be collected. If field parameters have not stabilized between the last three readings, purging and parameter measurement should continue until stabilization has been achieved. Stabilization can be demonstrated by a variance of no more than +/- 10% for temperature and specific conductance, and +/- 0.2 NTU for pH.

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

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

I. Requirements for Monitoring Groundwaters of the State

The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in Table 3. The following parameters shall be analyzed semi-annually and reported annually:

Table 3 (Annual Groundwater Monitoring Schedule)

WELL NAMES OR NUMBERS	SAMPLING SCHEDULE	PARAMETER ANALYZED	EPA METHOD	STANDARD METHOD	PERMIT LIMIT or UCL	HOLD TIME & TEMPERATURE
WQW1 – upgradient monitor well	Quarterly (January-March, April-June, July-September, October-December)	Ammonia as N	350.1	SM 4500-NH3	0.50 mg/L	28 days / 4° C
		Nitrate-Nitrite as N	300.0; 353.1; 353.2; or 353.3	4500-NO3 or 4110	10 mg/L	28 days / 4° C
Chloride		300.0; 300.1; or 353.2	4110 B, 4140 B, or 4500-Cl	250 mg/L	28 days / no specified temperature	
pH (standard units; s.u.)		150.1 or 150.2	4500-H+B	6.5-8.5 s.u.	measure in the field at time of sample collection.	
CC-SAS -M2 - downgradient monitor well, leachfield “A”	Only when coliform test is positive	Total Coliform ²	presence/absence test	9221 or 9222	Absent	24 hours / 4° C
		E. Coli	1103.1	9223	0 colonies/100mL	6 hours / 4° C
Leachfields “A” and “B” ⁴	Monthly	Total volume	Flow meter reading		44,250 gpd ⁴	N/A
Main Septic Tanks ³ , Kitchen Grease Trap	Annually	Sludge depth in tank (ft)	Visual		2 feet	N/A

NOTES:

¹ All applicable chemical concentrations in this permit are expressed as total (not dissolved) in mg/L unless otherwise noted.

² A positive test for the presence of Total Coliform may require a follow-on test to determine the concentration and specific type of bacteria in the water.

³ The main septic tank(s) and kitchen grease trap serving the Snake River Sporting Club are to be inspected, at a minimum, annually and must be pumped as necessary based on sludge depth at bottom of the septic tank/grease trap, and at least once every five years. A copy of the invoice for pumping the tanks/trap is to be included with the annual report. Sludge depth is not to exceed 24 inches in the septic tanks or grease trap. The permittee is not required to measure and report sludge depths at the smaller septic tanks located on each private lot within the Snake River Sporting Club development.

⁴ The flow limit is to be reported as the combined flow discharged into leachfields “A” and “B”. The combined discharge into leachfields “A” and “B” must not exceed the permitted UCL in Table 3.

All annual reports are to be reported within forty-five (45) days of the last day of each year (February 15th).

The above upper control limits (UCL) in **Table 3** cannot be exceeded in any sample. Exceedance of these values is a violation of this permit and shall require notification under Section K of this permit. If the UCL is exceeded in a sample, additional monitoring wells may be required to determine whether groundwater has been impacted and to delineate the nature and extent of any contamination resulting from operation of the permitted facility.

Although the permittee is not required to monitor the sludge depth of each of the individual small septic tanks located on privately-owned lots in this permit, it is strongly recommended that the permittee implement a sludge monitoring and pumping schedule for these small septic tanks in order to avoid maintenance and repair issues in the future.

J. Test Procedures

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

K. Records and Reports

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

L. Permit Actions

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

It shall not be a defense for the permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the

permit. The filing of a request by the permittee, or at the instigation of the Administrator, for permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

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

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

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

M. Abandonment

General Requirements:

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

N. Duties of the Permittee

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

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

O. Signatories Requirement

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

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

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

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

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

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

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

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

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

P. Noncompliance

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

specified in Section K of this permit. Any permit noncompliance constitutes a violation of this permit.

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

Q. Permit Transfer

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

R. Property Rights

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

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.

-End of Permit-



Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

February 22, 2013

Michael G. Pexton
Yellow Creek Ranch
170 Yellow Creek Road
Evanston, WY 82930

RE: Evanston - Twin Ridge 4 Phase 3 - Water and Sewer Main Extensions - Permit Number 13-054, NW ¼ Section 29, T15N, R120W, Sweetwater County

Dear Mr. Pexton:

The above application for coverage under **General Permit to Construct** for the extension of a **Public Water Supply System** consisting of about 275 linear feet (LF) of 8-inch ductile iron water main and the extension of a **Public Sewage Collection System** consisting of about 255 LF of 8-inch PVC sewer main to serve six residential lots in accordance with Chapter 3, Section 7, Chapter 12, Section 14 and Chapter 11, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facilities in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

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

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

Sincerely,

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

PDF to Cheyenne
Gareth Powell, P.E., Uinta Engineering & Surveying, 808 Main Street, Evanston, WY 82930

Page 1 of 1



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Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 28, 2013

South Cheyenne Water & Sewer District

Attn. Dena Hansen, Manager
215 E. Allison Road
Cheyenne, Wyoming 82007

RE: Orchard Valley Sanitary Sewer Replacements - 2013
Application No. 13-055, Laramie County

Dear Ms. Hansen:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Sewage Collection Systems** consisting of removal/replacement of 3660 lineal feet of 8-inch PVC and in-situ remediation of approximately 990 lineal feet of 8-inch PVC located in **Section 18, T13N, R66W, Laramie County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, in accordance with the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

1. The variance on the pipe slopes has been granted in accordance with DEQ Policy 13.9.13 for Very Low Slope Sewer Variance.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by March 28, 2013.

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

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	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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Please reference Application No. 13-055 in any future correspondence.

If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division

SWT/rm/13-0296

Enclosures: Certificate of Completion form

cc: IPS
James Johnson, Johnson Engineering Associates, 110 Superior Court, Laramie, Wyoming
82007



Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 19, 2013

Silver Spur Land and Cattle, LLC
Attn: Thad W. York, General Manager
P.O. Box 714
Encampment, Wyoming 82325

RE: Elk Hollow House #2 – Mounded Residential Septic System
Application No. **13-056**, Carbon County

Dear Mr. York:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate a **Small Wastewater Facility** consisting of a 1000 gallon, two compartment, concrete septic tank containing a lift pump and float control system in the second compartment, discharging into about 400 square feet of mounded chamber type bed leachfield divided into three equal rows of at least 11 Infiltrator brand, standard Quick4 model chamber units each, for a 3 bedroom home, located in the N½ of Section 27, T16N, R83W, Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **March 19, 2015**.

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

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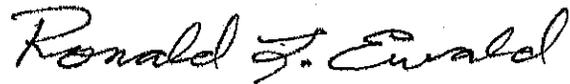
ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-5973	LAND QUALITY (307) 777-7756 FAX 777-5804	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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Please reference Application No. **13-056** in any future correspondence.

If you have any questions, please contact me at either ron.ewald@wyo.gov or by phone at (307) 777-6183.

Sincerely,

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

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

RLE/rm/13-0277

Enclosures: Certificate of Completion form

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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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

February 26, 2013

Town of Sinclair

Attn: Michelle Serres, Mayor
P.O. Box 247
Sinclair, WY 82334

RE: Sinclair 2013 Water, Sewer, and Streets Improvements,
Application No. 13-057, Carbon County

Dear Ms. Serres:

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 consisting of replacing approximately 1700 lineal feet of water main and Existing Sewage Collection Systems consisting of replacing approximately 1025 lineal feet of sanitary sewer main located in the Section 21, T21N, R86W, Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the 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, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

1. Section 2665 E.6 – Water tight plugs shall be maintained in all pipe openings in a trench any time pipe laying is not in progress or the trench is unattended.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by February 26, 2018.

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	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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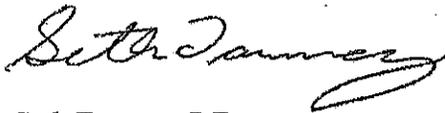
This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

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

Please reference Application No. **13-057** in any future correspondence.

If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division

SWT/rm/13-0180

Enclosures: Certificate of Completion form

cc: IPS
Ken Schwerdt, PMPC, P.O. Box 370, Saratoga, WY 82331



Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 28, 2013

South Cheyenne Water & Sewer District
Attn. Dena Hansen, Manager
215 E. Allison Road
Cheyenne, Wyoming 82007

RE: Miscellaneous Sewer Replacements - 2013
Application No. 13-058, Laramie County

Dear Ms. Hansen:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Sewage Collection Systems** consisting of removal/replacement and in-situ remediation of approximately 1150 lineal feet of 8-inch polyvinyl chloride (PVC) located in **Section 8, T13N, R66W and Section 20, T13N, R66W, Laramie County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, in accordance with the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **March 28, 2018.**

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

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ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-5145 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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Please reference Application No. **13-058** in any future correspondence.

If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,

A handwritten signature in black ink that reads "Seth Tourney". The signature is written in a cursive style with a long, sweeping underline.

Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division

SWT/rm/13-0295

Enclosures: Certificate of Completion form

cc: IPS
James Johnson, Johnson Engineering Associates, 110 Superior Court, Laramie, Wyoming
82007



Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

February 19, 2013

Twila Blakeman, Mayor
Town of Dubois,
P.O. Box 555
Dubois, WY 82513

RE: Town of Dubois 2013 Sewer and Water Improvements
DEQ Permit #13-059
Located in Fremont County, NW ¼, S 7, T 41 N, R 106W

Dear Mayor Blakeman,

This project consists of the installation of new sewer manholes, main and services; rehabilitation of sewer mains with fold in place PVC pipe; rehabilitation of manholes including addition or replacement of parts and sealing and epoxy coating; repair of collapsed sewer main; and installation of PVC water main including valves and hydrants.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11 and Chapter 12 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, and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Construction shall be completed by October 31, 2015

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

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, P.E.
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne
Matt Bowers P.E., Nelson Engineering, P.O. Box 1599, Jackson, WY 83001

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

ABANDONED MINES
(307) 332-6086
FAX 332-7726

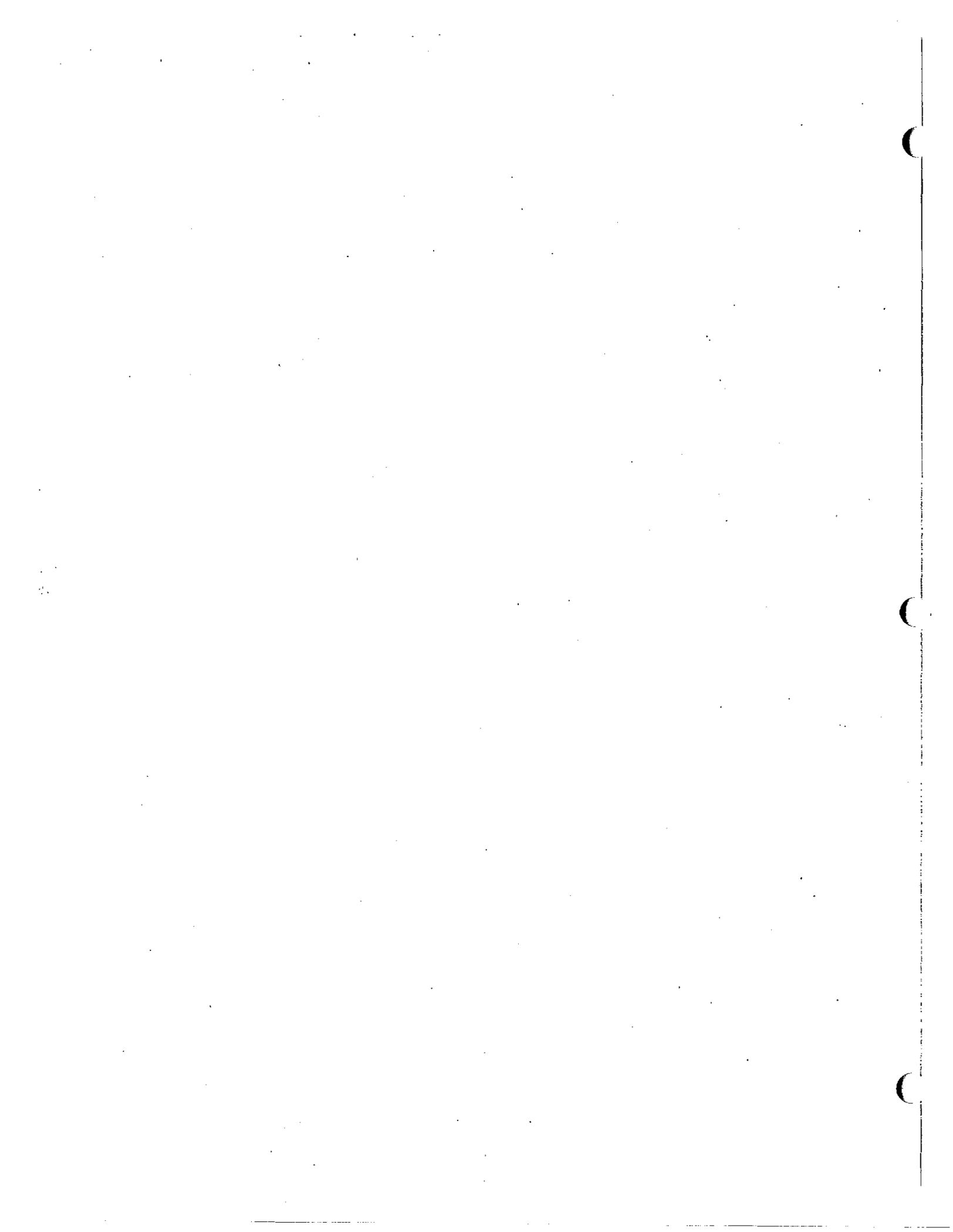
AIR QUALITY
(307) 332-6755
FAX 332-7726

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

SOLID & HAZARDOUS WASTE
(307) 332-6824
FAX 332-7726

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







Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

August 21, 2013

Town of Medicine Bow

Attn: Charlie T. George, Public Works Director
319 Pine Street, P.O. Box 156
Medicine Bow, Wyoming 82329

RE: Town of Medicine Bow Waterline Replacement Project - 2013,
Application No. **13-060, Carbon County**

Dear Mr. George:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate Extensions to or Modifications of Existing **Public Water Supply Distribution Systems** consisting of installing approximately 8.6 miles of 12-inch transmission main and 7,100 LF of 8-inch water main located in **Sections 8, 9, 10, 11, and 12, T22N, R78W, and Sections 7, 8, 9, and 4, T22N, R77W, Carbon County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the 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. 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:

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **August 21, 2018.**

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. **13-060** in any future correspondence.

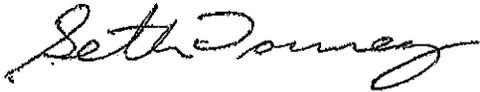
Herschler Building • 122 West 25th Street • Cheyenne, WY 82002 • <http://deq.state.wy.us>

ADMIN/OUTREACH	ABANDONED MINES	AIR QUALITY	INDUSTRIAL SITING	LAND QUALITY	SOLID & HAZ. WASTE	WATER QUALITY
(307) 777-7158	(307) 777-6145	(307) 777-7391	(307) 777-7369	(307) 777-7756	(307) 777-7752	(307) 777-7781
FAX 777-7682	FAX 777-6462	FAX 777-5616	FAX 777-5973	FAX 777-5864	FAX 777-5973	FAX 777-5973



If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division

SWT/rm/13-0790

Enclosures: Certificate of Completion form

cc: IPS
Spencer Ellingson, Sunrise Engineering, 408 West 23rd Street, Suite #2, Cheyenne, Wyoming 82001
Wade Verplancke, WWDC

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY / WATER QUALITY DIVISION

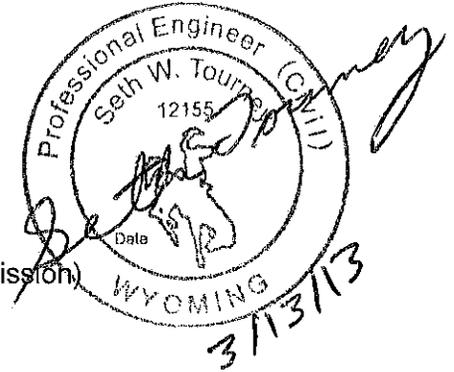
122 West 25th Street, Herschler Building 4 West, Cheyenne, Wyoming
82002

PROJECT: Town of Medicine Bow Waterline Replacement Project – 2013

ENGINEER: Spencer Ellingson (Sunrise Engineering, Inc.)
408 West 23rd St. Suite #2
Cheyenne, WY 82001

APPLICANT: Charlie T. George (Town of Medicine Bow)
PO BOX 156
319 Pine Street
Medicine Bow, WY 82329

FUNDING: Wade Verplancke (Wyoming Water Development Commission)
FUNDING: Frank Strong (Wyoming SRF Program)



WATER QUALITY DIVISION REFERENCE NUMBER: **13-060**

REVIEWING ENGINEER: Seth W. Tourney

DATE OF REVIEW: March 13, 2013

ACTION: **NOT AUTHORIZED FOR CONSTRUCTION.** In accordance with Section 14(a), Chapter 3, Wyoming Water Quality Rules and Regulations, the application is denied because it is incomplete or does not meet applicable minimum design and construction standards. Please address the comments outlined below and submit the requested information in order that the application process may be completed in accordance with said Section 7. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS

Wyoming Water Quality Application Form

1. I have learned through the State Revolving Fund Program that the easements have not been obtained by the Town of Medicine Bow. Please note that on the Real Estate Owner line of the application, it states, "The real estate owner or the grantee of the applicable easement must sign this form." Therefore, please provide proof that all easements are in place for this project. This is required prior to the issuance of a DEQ Permit to Construct.

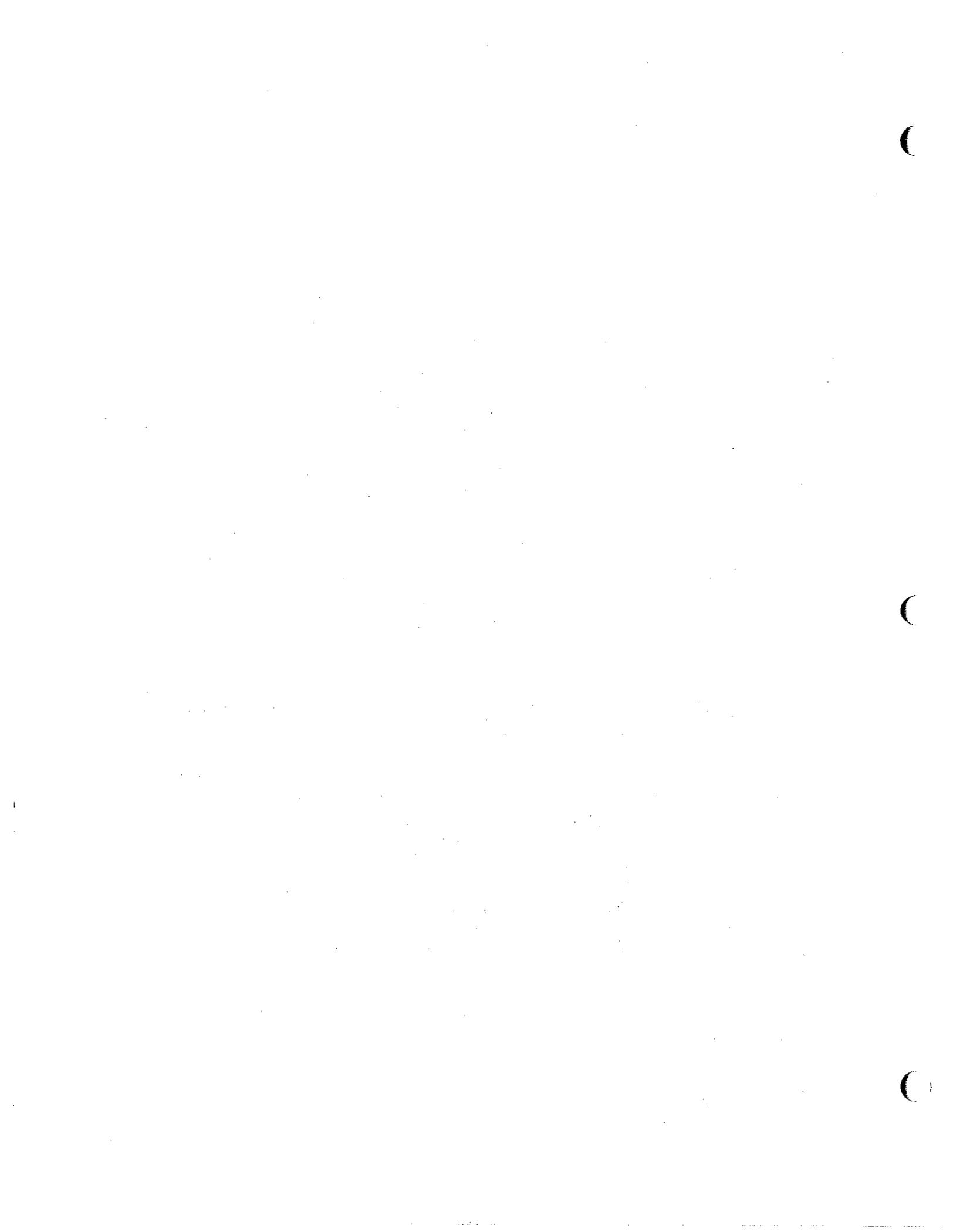
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Engineering Design Report

2. The design report should indicate the existing diameter of the transmission line into Town, and a discussion about the proposed transmission main diameter.
 - a. Please indicate the existing and proposed pipe material.
3. Water Model Calculations:
 - a. Please provide an overall schematic of the water model.
 - b. Please provide the calibration of the water model, and origin of the pump input data. Please include any applicable fire flow test data.
4. In Section 1.2, please expand on problems and issues Medicine Bow Estates. Has the town attempted to pressurize the existing water mains?
 - a. What is the pipe material of the existing mains?
 - b. Why are these water mains being replaced?
 - c. If these mains are to be replaced, what will prevent the new water lines from the same fate as the existing water lines?
5. It appears that the existing 1.5 million gallon storage tank is oversized and prone to stagnate water. Are there any tank mixers available on the tank or any plans to provide tank mixing for the system?
6. In Section 3.6, the pressure surge or wave concept is discussed. Please provide supporting calculations or printouts.
7. In the Construction Plans Sheet PP13 STA 133+00 – 137+00, it appears that the geomorphology of the river could have an impact on the proposed water main in the future. Please address this in the engineering report.
8. In the Construction Plans Sheet PP44, there is an existing 4-inch water main being connected to the project. It did not appear that this water main was part of the hydraulic model. Please be sure to include this with the future model.
9. In the engineering design report, please describe the design of the second line to the storage tank concept.
 - a. What is the existing water main size?
 - b. Why is a second line needed to the storage tank?
 - c. How will the tank mixing be improved or affected with the proposed project?
10. Please provide an exhibit displaying the overall profile of the hydraulic grade line for the 12-inch transmission line.
11. In the design report, discuss the design behind the raw water stock tank service connections.



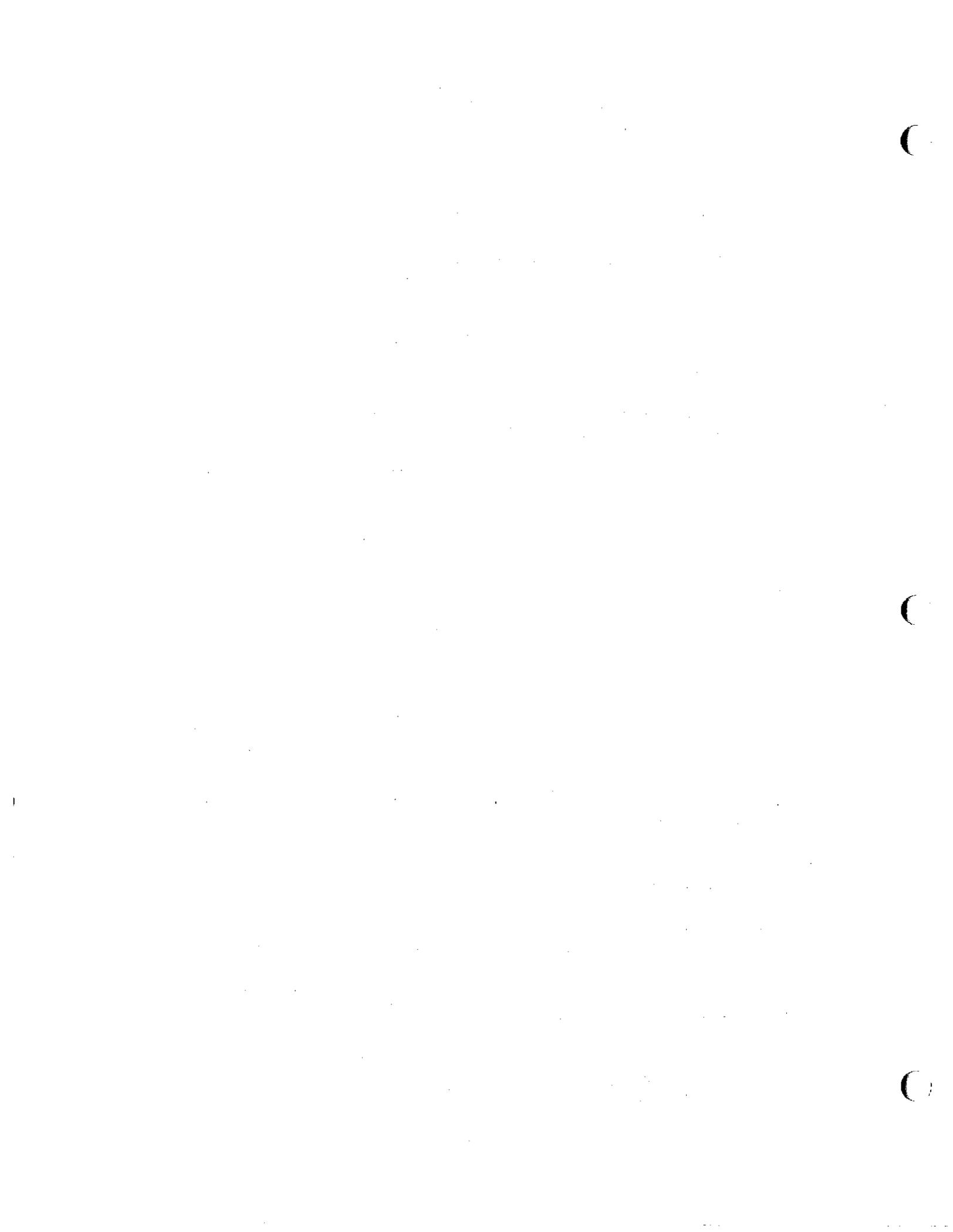
PROJECT: Town of Medicine Bow Waterline Replacement Project - 2013

DATE OF REVIEW: March 13, 2013

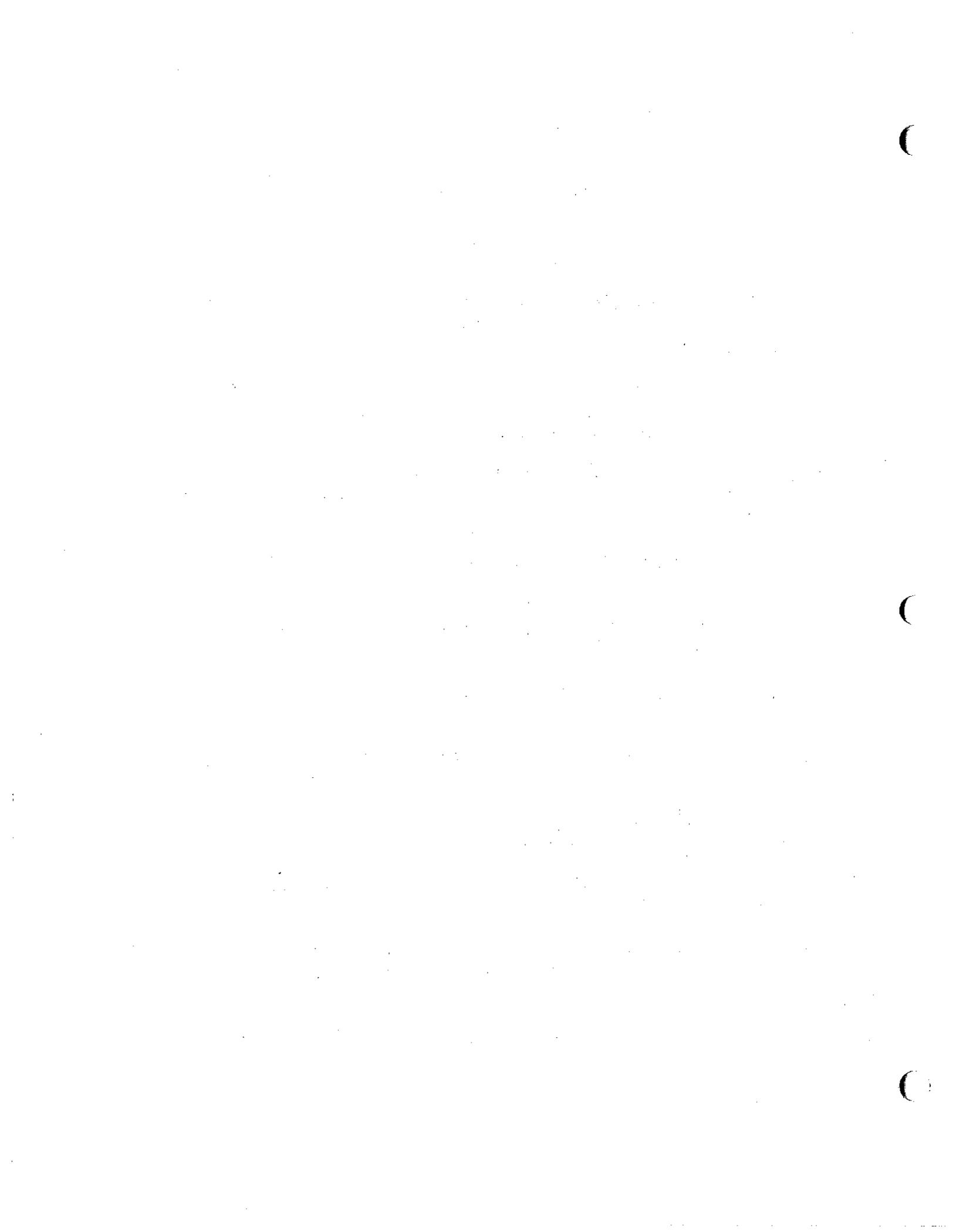
- a. Please discuss the RPZ use and providing adequate drainage in accordance with SP15234.4.5.3 of the specifications. Will this be achievable for all of the service connections?
- b. How does this affect the EPA groundwater status for the Town of Medicine Bow? Please advise in the report.

Construction Plans

12. In accordance with Chapter 12 Section 7(b) of the Water Quality Rules and Regulations, indicate the Datum used to establish the control points on Sheet G5.
13. Sheets I1 thru I6 need to include a north arrow and reference to a scale. If "not to scale," please indicate.
14. On Sheet PP1 STA 1+00, the proposed air/vac valve assembly does not appear to be located at a high point in accordance with Note 20.
15. On Sheet PP3 STA 22+50, the proposed flushing hydrant does not appear to be located at the low point in accordance with Note 19.
16. On Sheet PP3 STA 32+10, is it intended to have a bend located here? Please advise.
17. On Sheet PP7 STA 62+50, Note 15 does not indicate the angle of the bend to be installed. Please advise.
18. On Sheet PP7 STA 64+00, is it intended to have a bend located here? Please advise.
19. On Sheet PP10 STA 94+75, is it intended to have proposed grade for road resurfacing or possibly a note indicating surface restoration? Please advise.
20. On Sheet PP10 STA 95+00, should the label reference a detail for the type of gate to be installed? Please advise.
21. On Sheet PP12 STA 121+75, should the label reference a detail for the type of gate to be installed? Please advise.
22. On Sheet PP15 STA 152+75, is it intended to have proposed grade for road resurfacing or possibly a note indicating surface restoration? Please advise.
23. On Sheet PP16 STA 155+75, Note 15 does not indicate the angle of the bend proposed for installation at this location. Please advise.
24. On Sheet PP17 STA 166+00 – 171+00, it appears that the cover depth required for this design is around 8-9 feet of cover. Please note this on the plans or consider another air/vac if necessary.



25. On Sheet PP18 STA 182+50, is this air/vac located in the high point of the line as the line seems to be increasing in elevation through this point? Please advise.
26. On Sheet PP21 STA 208+25, Note 15 does not indicate the angle of the bend proposed for installation at this location. Please advise.
27. On Sheet PP22 STA 224+80, Note 15 does not indicate the angle of the bend proposed for installation at this location. Please advise.
28. On Sheet PP28 STA 285+50, Note 15 does not indicate the additional angle of the bend beyond the 45 degree bend proposed for installation at this location. Please advise.
29. On Sheet PP28 plan view, there appears to be a dashed line south of the waterline. This could be simply a breakline for the topography surface in the software, or is it another surface feature that should be labeled? Please advise.
30. On Sheets PP28-29 STA 287+00 – 292+00, this water line is plunging through some significant topography variation. Is there another alignment that is better suited for going through this location? Please advise.
31. On Sheet PP29 STA 297+00, there are two dashed lines going through the topography just north of the water line. Is this an existing road? Please advise.
32. On Sheet PP31 plan view, the topography lines appear to be missing. Please advise.
33. On Sheet PP34 plan view, the topography lines appear to be missing. Please advise.
34. On Sheet PP39 plan view, the topography lines appear to be missing. Please advise.
35. On Sheet PP40 STA 410+10, Note 15 does not indicate the angle of the bend proposed for installation at this location. Please advise.
36. On Sheet PP41 STA 416+50, Note 15 does not indicate the angle of the bend proposed for installation at this location. Please advise.
37. On Sheet PP42 STA 0+00, please be advised that if the gate valve is placed east of the proposed tee, then the tee can be included in the pressure test of the water main.
38. On Sheet PP42 STA 0+00, please be advised that a reducer or transitional coupling will be required for this main connection. Please label on the sheet.



39. On Sheet PP42 STA 0+00 – 0+50, the tees are missing from the profile view. Please advise.
40. On Sheet PP42 STA 0+50, how will the proposed main be pressure tested without a gate valve located at the main connection on the north side of the proposed water main? Please advise.
41. On Sheet PP43 plan view, please note that “Spruce Street” may be inaccurately labeled. This may be Oak Street. Please advise.
 - a. Please label the street on the right side of the plan view.
42. On Sheet PP44 plan view, there is a note “Connect New 8” Waterline to Existing 4” Waterline with Tee.” Please be advised that this may be difficult to find parts for, and it may require an 8”x4” reducer. Please advise.
43. On Sheet PP44, please be advised that the plan view and profile view are conflicting with each other. The plan view indicates an existing 4-inch water line. The profile view is proposing a new 4-inch PVC AWWA C900 water main.
44. On Sheet PP45 STA 33+75, STA 35+00, STA 36+25, and STA 39+25, Note 15 does not indicate the angle of the bend proposed for installation at these locations. Please advise.
 - a. Please note that the bend at STA 36+25 is missing from the profile view.
45. On Sheet PP46 STA 45+30, Note 15 does not indicate the angle of the bend proposed for installation at this location. Please advise.
46. On Sheet PP47 STA 2+00 and STA 4+50, Note 15 does not indicate the angle of the bend proposed for installation at this location. Please advise.
47. On Sheet PP48 STA 3+00, STA 4+75, and STA 6+50, Note 15 does not indicate the angle of the bend proposed for installation at this location. Please advise.
48. After reviewing the Sheets PP42 – PP48, I have the following comments for Medicine Bow Estates Subdivision:
 - a. There are no fire hydrants proposed throughout the subdivision. How will fire protection and pressure testing be achieved? Please advise.
 - b. Is there sanitary sewer existing in Medicine Bow Estates Subdivision? Please provide information within 30 feet of the water main, in accordance with Chapter 12 Section 7 (c)(iv) of the Water Quality Rules and Regulations.
 - c. If the existing grade is intended to be the proposed grade, please add a note on the plans accordingly.
 - d. The plan and profiles need to indicate the limits of proper resurfacing. Please reference the appropriate detail. If the roadway detail is used, please indicate whether asphalt or gravel will be used.



49. On Sheet PP49 STA 1+05, please be advised that the plan view refers to Note 13 and the profile view refers to Note 15. Please advise.
50. On Sheet PP49 plan view, the topography lines are missing. Please advise.
51. On Sheet PP49 – PP50, STA 6+50 – STA 10+00, it appears that the proposed water main will be going through the same casing as the existing water main. Please note that the Engineering Design Report indicates that a second line will be constructed to the storage tank. How will the proposed water main be located within the existing casing? Or is it intended to abandon the existing water main? Please advise.
52. On Sheet PP50 plan view, it appears that the proposed water main line work is missing. Please advise.
53. On Sheet PP51 STA 28+00, Note 15 does not indicate the angle of the bend proposed for installation at this location. Please advise.
54. On Sheet PP51 STA 28+25, how will the proposed 12-inch water main be connected to the water tank? Should a detail be referenced at this location? Please advise.
55. On Sheet D3 Detail J, there is a label "Insta Tite Connector." It is my understanding that this is a Mueller specific connector. Should this include the words "or approved equal" for the funding sources? Please advise.
56. On Sheet D3 Detail H, should this detail reference Construction Note 23 on Sheet G5? Please advise.
57. On Sheet D4 Detail J, there is typical stock raw water service connection. Please address the following:
 - a. Why is the PRZ (Pressure Reduced Zone) backflow prevention located in a vault? These are typically located above the ground, because they spew water during the normal operation of the backflow prevention. How will drainage be achieved to ensure proper protection of the RPZ?
 - b. Will a double check or requiring an air gap for the stock tank feed water be sufficient for EPA to maintain Medicine Bow under the Groundwater Rule system?
 - c. According to the detail, these will be connected to existing service. Please identify these locations on the plan and profiles.

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Contracts and Specifications

58. In the SRF Special Conditions page 5, "Brian Mark" should be replaced with "Frank Strong."
59. In Section SP 02204, what backflow prevention will be utilized for construction water? Please advise.
60. In Section 02222.3.7.2, please define the allowable leakage for the pressure test.
61. In Section 15234SP for 15234.2, should this state "or approved equal" for the funding sources? Please advise.
62. In Section 15324SP for 15234.4.5.3, Please advise

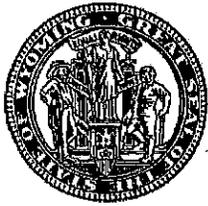
END OF REVIEW

SWT/rm/13-0233

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Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 12, 2013

Allen Slagle
2114 Cheyenne River Road
Newcastle, WY 82701

RE: Slagle Small Wastewater System
Application No. 13-061, Weston County

Dear Mr. Slagle:

The above application for coverage under the General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,500 gallon Vaughn concrete septic tank discharging into six Biodiffuser Arc 36 chamber trenches of approximately 10 chambers each, for a six bedroom home located in the NW ¼, Section 7, Township 41N, Range 65W, Weston 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 facility in accordance with Chapter 25 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2014**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

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

Additionally, the following permit condition applies:

1. Cleanouts are required every 100 feet and at all changes in direction 22.5 degrees and greater.
2. Flow-divider tees or a distribution box is required to evenly split flow between trenches. Standard tees are not an adequate substitute for flow-dividing tees.

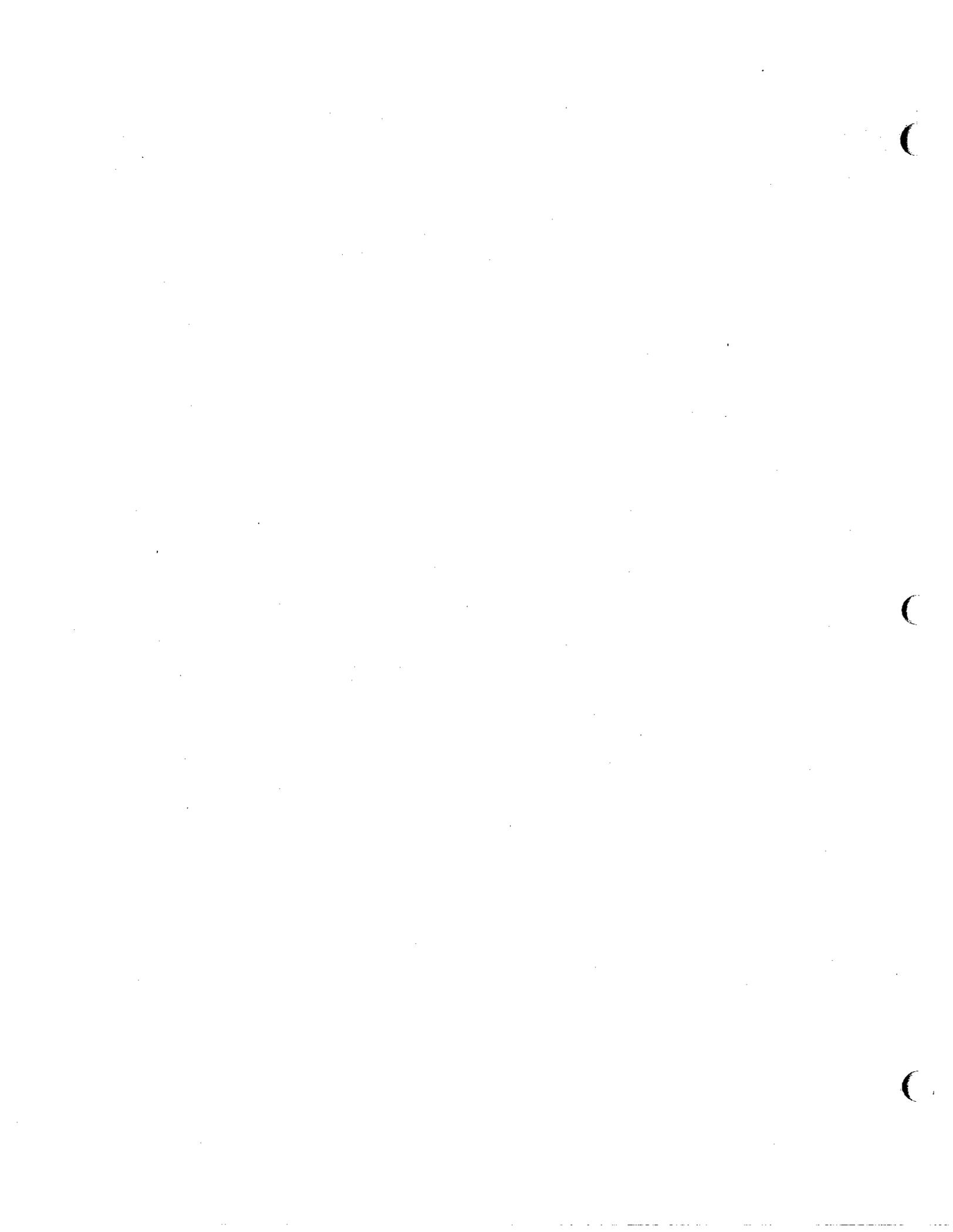
If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Weston County Growth and Development, 1 West Main Street, Newcastle, WY 82701







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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

February 19, 2013

Mark Price, Senior Pastor
Cody Missionary Alliance Church
147 Cooper Lane East
Cody, WY 82414

RE: NRWD Cody Missionary Alliance TW Fire Connection
DEQ Permit #13-062
Located in Park County, Lot 1, Ross simple subdivision, T 53 N, R 101 W; Lat. 44.5413, Long - 108.9972

Dear Pastor Price,

This project consists of the installation of approximately 70 linear feet of 4 inch PVC waterline from the existing waterline to the fire suppression system in the church addition.

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

You are authorized to construct, the facility in accordance with the the materials submitted in your application package and the **General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems**. Construction shall be completed by **October 31, 2015**.

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

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, P.E.
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne
Travis L. Conklin P.E., Cody Missionary Alliance Church, 147 Cooper Lane East, Cody, WY 82414

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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







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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

February 28, 2013

Jeffrey Pecenka, Engineering Supervisor
Cheyenne BOPU
2416 Snyder Ave
Cheyenne, WY, 82001

RE: 2013 Water Rehabilitation Projects
DEQ Permit #13-063
Located in Laramie County, SW ¼ S18, T14N, R66W; Lat. 41.177, Long -104.818

Dear Mr. Pecenka,

This project consists of the replacement and / or bursting of several water mains in the city of Cheyenne, as described in application 13-063.

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

You are authorized to construct, the facility in accordance with the the materials submitted in your application package and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems. Construction shall be completed by **October 31, 2015**

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

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, P.E.
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne

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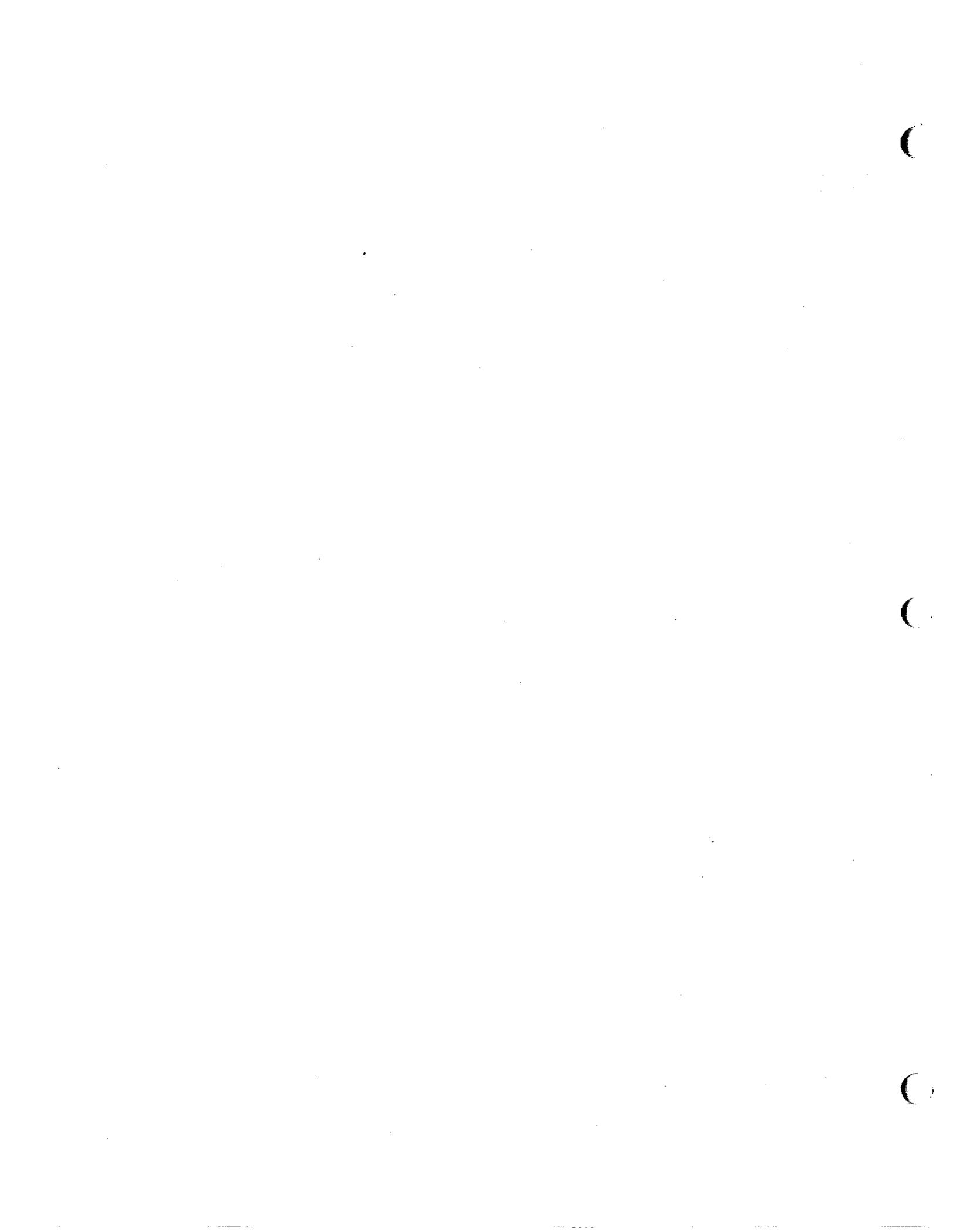
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(307) 332-3144
FAX 332-7726





WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT
PWS#5601415

PERMIT NO. 13-064

REFERENCE PERMIT NO. 12-221

Bell Valley Subdivision – Water and Sewer Improvements

This permit hereby authorizes the applicant:

Robert P. Ingram, Jr.
7035 State Highway 220
Casper, WY 82604

to construct, install, and/or modify the Bell Valley Subdivision Water and Sewer Improvements, including installing approximately 2,100 lineal feet of 8-inch PVC water main, 3,500 lineal feet of 8" inch PVC sewer main, 520 feet of 2" force main, and a lift station to serve 25 new and 3 existing lots, according to the procedures and conditions of the application number 13-064. The facility is located in the SE ¼ of Section 27, Township 33 North, Range 80 West, Natrona County, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2014.

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

Granting this permit does not imply that DEQ guarantees or ensures that the permitted facility, when constructed, will meet applicable 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 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 and must be completely filled out.

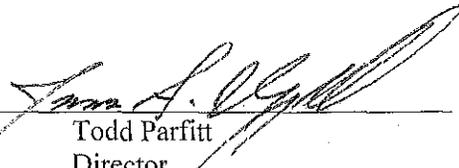
- 3 of 4 Within thirty days of completion of construction of the authorized facility, the Engineer of Record will submit two (2) complete copies of the Operation and Maintenance Manuals to the Northeast District, Water Quality Division, 152 North Durbin, Suite 100, Casper, WY 82601.

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

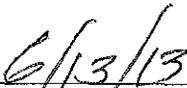
AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality



Date of Issuance

KLF/rm/13-0524

cc: Robert Bennett, P.E., CEPI, 6080 Enterprise Drive, Casper, WY 82609
Dave Hill, City of Casper, 200 North David, Casper, WY 82601

STATEMENT OF BASIS

1. Permit Number: **13-064**
2. Application reviewed for compliance with the following applicable regulations :

CHAPTER 3, CHAPTER 11, AND CHAPTER 12 OF THE WYOMING WATER QUALITY RULES AND REGULATIONS
3. Does the permit comply with all applicable regulations identified above?

NO – Chapter 11, Section 10(c)(vi) – Grinder pumps will be allowed to be installed in the lift station. Also, Chapter 11, Section 9(c)(ii)(B) – A 2” force main will be allowed due to grinder pumps being installed in the lift station.
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 June 12, 2013. 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."

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

Todd Parfitt, Director

March 18, 2013

Robert Bennett, P.E.
Civil Engineering Professionals, Inc.
6080 Enterprise Drive
Casper, WY 82609

RE: Bell Valley Subdivision, Natrona County, WY
WDEQ Application #13-064

Dear Mr. Bennett:

We have completed our review of the permit application submitted on January 13, 2013. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact either Karen Farley at (307) 473-3478 or Jason Vreeland at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

Jason Vreeland, P.E.
Assistant Northeast District Engineer
WDEQ/WQD

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

Attachments: WDEQ Comments

cc: WDEQ File





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

PROJECT: Bell Valley Subdivision
LOCATION: Natrona County, Wyoming
ENGINEER: Civil Engineering Professionals, Inc.
APPLICANT: Robert P. Ingram, Jr.

WATER QUALITY DIVISION APPLICATION NUMBER: 13-064

DATE ON PROPOSAL/PLANS/REPORT: February 13, 2013

DATE RECEIVED BY DEQ: February 13, 2013

DATE OF THIS REVIEW: March 18, 2013

WDEQ REVIEWER: Karen Farley, P.E., Jason Vreeland, P.E.

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

WDEQ COMMENTS

General Comments

- 1) The geotechnical report indicated that there are clays and claystone bedrock in this area. The "Addendum to Geotechnical Report for the Proposed Bell Valley Subdivision" stated that "...excavations up to 6 feet in depth would likely be required for the proposed buried water lines and potentially deeper for sanitary sewer...". The addendum also stated that if the utilities were to be located in the road, then select backfill should be utilized; if the utilities were to be located outside of the roadway, then the clays and claystone could be used as backfill. City of Casper requires suitable material for bedding and backfill over the pipe; please provide a detail and construction specifications that addresses this issue for both water and sewer.

- 2) The plan views need to include: existing contours, all existing and proposed streets, adjacent structures, physical features, and existing locations of utilities.

Water Distribution System

- 1) Chapters 12, Section 14(a) – Please clarify the pipe material and pressure class or dimension ratio to be used for the water system and include this information on the profile drawing. The design report indicates that schedule 40 PVC water line is to be used. WWQRR require PVC water pipe to be in accordance with AWWA C900.
- 2) Chapter 12, Section 14(b) – The tables provided that show the results of the water model do not provide enough information. Please submit the complete analysis done for this project, including, pipe sizes, materials, assumptions, etc.
- 3) Chapters 12, Section 14(b)(iii) – Page 2 of the design report included information that the MDD + Fire Flow with a minimum pressure of 20 psi would yield 960 gpm which is less than the flows required by the City of Casper. The water model results do not show any areas with flows less than 1,000 gpm. Please clarify the minimum fire flows for the project.
- 4) Chapter 12, Section 14(c) – Please address valve spacing. DEQ regulations state “Valves shall be located at not more than 500 foot intervals in commercial districts and at not more than 1 block or 800 foot intervals in other districts.”
- 5) Where does the house that is located at 6545 Bell Valley Road get its water and sewer service from? And why is this location identified as where the pressure measurement point was taken during the flow test done June 8th, 2012? Is there already a waterline that runs up this road?
- 6) The water line alignment is shown as outside of the roadway in the borrow ditch, and between the underground power and telephone with less than five feet of separation. City of Casper design standards require that the water line to be generally located along the centerline of the street. Further, the City requires that no other utilities shall be located within ten feet of the water line unless approved by the City. Please provide written documentation from the City that this alignment is acceptable or move the waterline alignment.
- 7) The depth and profile of the waterline is based off of the profile alignment, which is based on the centerline of the road. This makes it impossible to evaluate cover problems or conflicts with sewer and other utilities for both mains, services, and fire hydrant leads. Please address.

Sanitary Sewer Collection System

- 1) The depth and profile of the sanitary sewer line is based off of the profile alignment, which is based on the centerline of the road. As with the waterline profile, please address.
- 2) The vertical scale in the profile view on Sheets 9 and 11 is not 10:1 – please address.
- 3) Sheet 11 shows the alignment and profile of the new sewer, but it is very confusing. There is no proposed grade; the sewer appears to be going through two culverts; two sewer (service?) lines coming off of a dashed line (is that a lot line?); the scale is wrong; inadequate cover – please address.
- 4) The proposed sewer main will be crossing a stream as it is constructed along Bell Valley Road - please address in both the construction drawings and construction specifications.

- 5) Chapters 11, Section 6(a) – The plan set shows what appears to be an additional sanitary sewer line in Bell Valley Road five feet from the proposed sanitary sewer line. Please provide more information on this line and why it will not be connected to the proposed system.
- 6) Chapter 11, Section 6(b)(iv) – The City of Casper has provided a letter stating their willingness to “furnish wholesale sewer service to the subdivision.” However, there is no information on who will be responsible for the maintenance of the new sewer mains, and most importantly, the sewage lift station. Please address.
- 7) Chapters 11, Section 7(c)&(d) – Please provide plan set details showing the proposed arrangement of the pumping unit, plan and section view of the wetwell, and specifications and justifications for the pumping unit including the type and size of unit with pump curves.
- 8) Chapters 11, Section 9(c)(i) – Please provide justification and basis for the sanitary sewer design flow. The City of Casper design standards require an average daily per capita flow of 100 gpd with a peaking factor of 4 for lateral sewers. The design report indicates that the design flow was based on 210 gpd/lot. The water system design flow was based on 3.5 people per house which would be the equivalent design flow of 350 gpd/lot for the sanitary sewer system. WDEQ’s default standards are 150 gpd/bedroom which may also exceed 210 gpd/lot.
- 9) Chapters 11, Section 9(c)(i) – The proposed collection line between SSMH-9 and the lift station appears to have several areas that may not have adequate burial depth to protect them from freezing and frost heave. Additionally, the collection line appears to conflict with the culverts at station 5+80. Please address.
- 10) Chapters 11, Section 9(c)(i)(D) – Sections of the collection line appear to have velocities greater than 10 fps as calculated flowing full. Please describe any special design considerations in these areas.
- 11) Chapter 11, Section 9(c)(ii) – Force mains are required to be a minimum of 4” diameter – please address.
- 12) Chapters 11, Section 9(c)(ii)(E) – Cleanouts are required on pressure sewer collection lines, 4” diameter and less, at a 400 foot maximum spacing. The force main section of this project appears to exceed this distance. Please address.
- 13) Chapters 11, Section 9(d) – Some proposed manhole locations appear to be placed in the flow line of the ditch. Please describe steps taken to ensure these are water-tight.





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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 14, 2013

Roger Baalman
University of Wyoming
1000 E. University Ave. Dept. 3413
Laramie, WY 82071

RE: University of Wyoming Gateway Center Water Line and Sewer Line Project, Permit Number: 13-065, Section 34, T. 16 N., R. 73 W., Albany County

Dear Mr. Baalman:

This project involves installing 4-inch sewer line with a 1500-gallon grease interceptor and 8-inch and 12-inch water lines near 22nd Street and Grand Avenue to serve a new University of Wyoming Gateway Center building. This application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct, the facilities in accordance with the general permits and 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 307-335-6961.

Sincerely,

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

xc: Cal Van Zee, Utility Manager, City of Laramie, P.O. Box C, Laramie, WY 82070
Mark Oberschmidt, P.E., Coffey Engineering & Surveying, 902 S. 3rd St., Laramie, WY 82070
PDF to Cheyenne

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Matt Mead, Governor

Todd Parlitt, Director

NOTIFICATION OF COVERAGE

March 6, 2013

Robert D. Juve, City Engineer
City of Torrington
P.O. Box 250
Torrington, WY 82240

RE: Cold Springs Business Park Phase I Water and Sewer Lines, Permit Number: 13-066, Section 22, T. 24 N., R. 61 W., Goshen County

Dear Mr. Juve:

This project involves installing 5305 linear feet of 8-inch, 10-inch and 12-inch C-900 PVC water mains and eleven fire hydrants as well as 3,271 linear feet of 10-inch SDE-35 PVC sewer main with ten manholes to serve twelve lots in Phase 1 of Cold Springs Business Park. This application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11, Section 9, and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations and is hereby approved.

You are authorized to construct, the 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 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 307-335-6961.

Sincerely,

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

cc: Rachele Anderson, Benchmark of Torrington P.C., P.O. Box 99, Torrington, WY 82240
Lisa Johnson, Goshen Co. Economic Development Corp., P.O. Box 580, Torrington, WY 82240
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

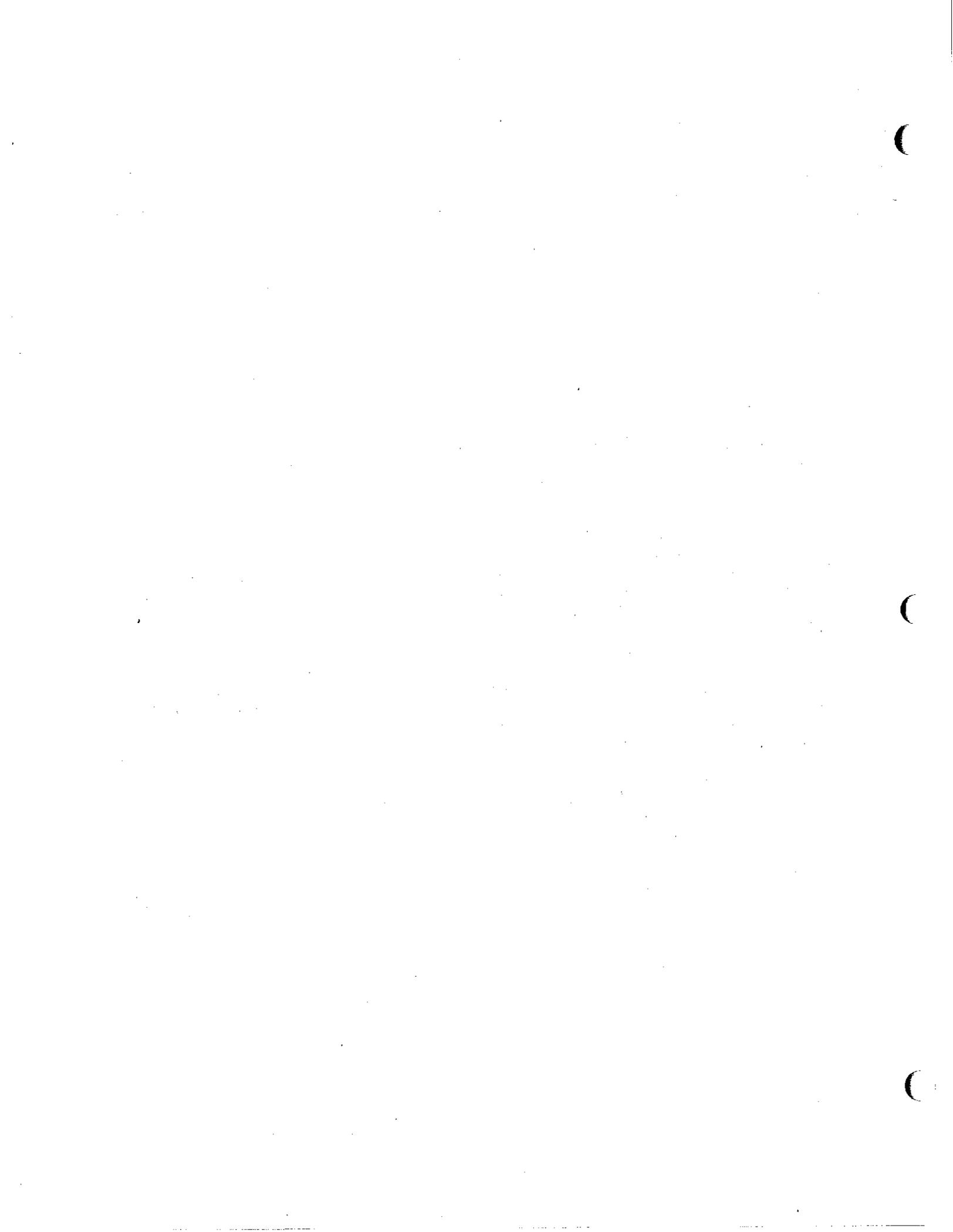
AIR QUALITY
(307) 332-6755
FAX 332-7726

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







Department of Environmental Quality

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



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

Todd Parfit, Director

NOTIFICATION OF COVERAGE

March 18, 2013

Nick Peterson
Freedom Hills Improvement and Service District
P.O. Box 4432
Gillette, WY 82717

RE: Freedom Hills I & S Holding Tank
Application No. 13-067, Campbell County

Dear Mr. Peterson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility consisting of a 1,000 gallon concrete holding tank for a commercial building located in the **NE¼, Section 23, Township 50N, Range 71W**, Campbell 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 facility in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2014.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

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

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Keith Bowar, Campbell County Public Works, 500 S. Gillette Ave., Suite 1500, Gillette, WY 82716
Bill Carson, P.E., HDR Engineering, P.O. Box 457, Gillette, WY 82717



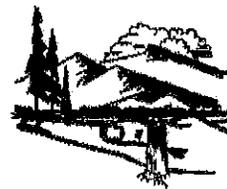
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Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 4, 2013

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

RE: Rock Springs - McCurtain Drive to Walker Trailer Park - Sewer Main Replacement and Casing at the UPRR Mainline Tracks - Permit Number 13-068, Section 34 and 35, T19N, R105W, and Section 2 and 3, T18N, R105W, Sweetwater County

Dear Mr. Kauchich:

The above application for coverage under **General Permit to Construct** for the replacement of a **Public Sewage Collection System** consisting of about 250 LF of 12-inch PVC sewer main and 185 feet of steel casing in accordance with Chapter 3, Section 7, 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 facility in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :
http://deq.state.wy.us/wqd/www/Permitting/Pages/general_permits.asp

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

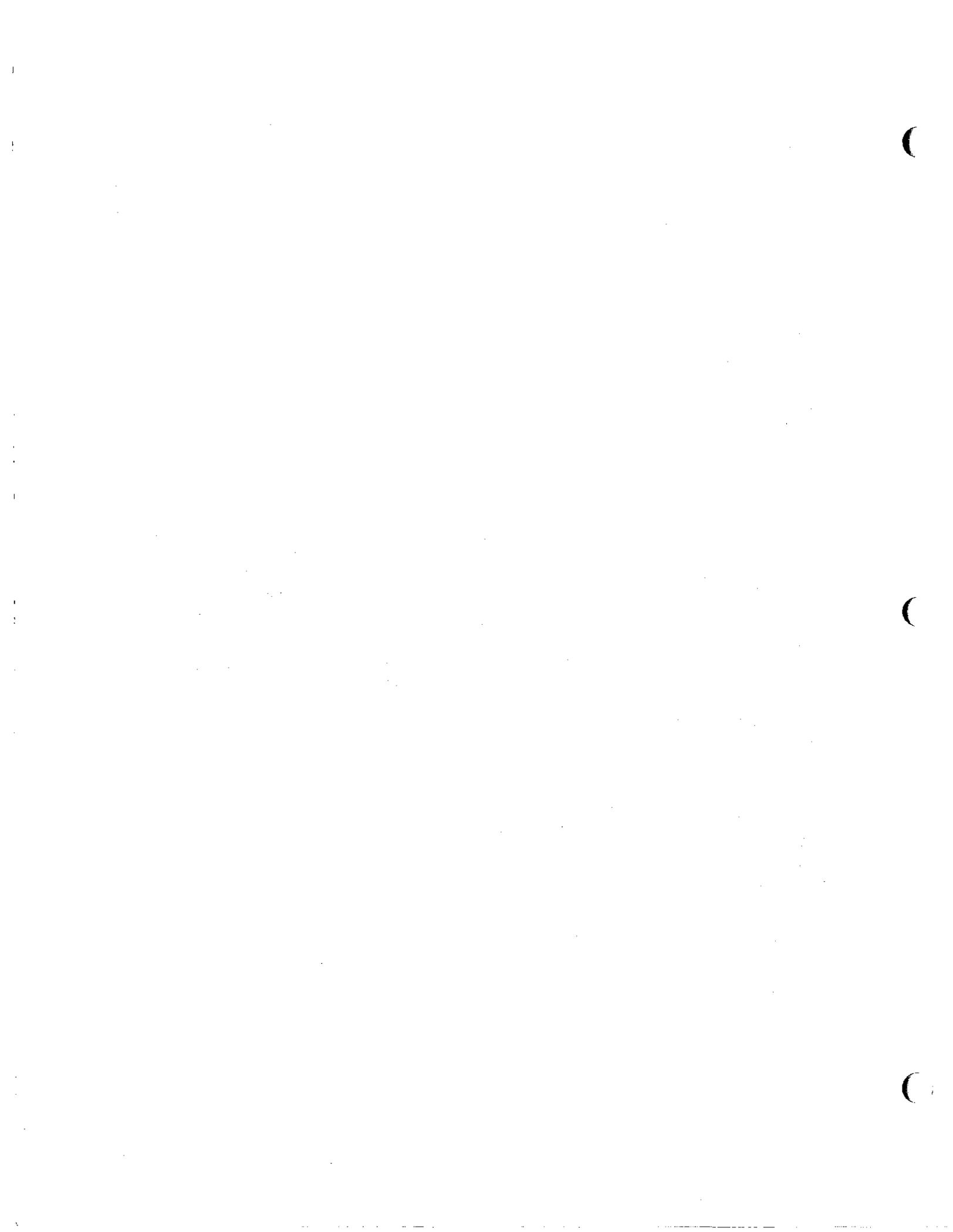
Sincerely,

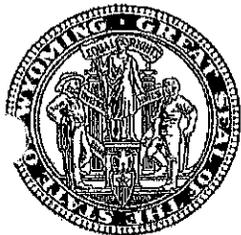
Mark Baron, P.E.
Southwest District Engineer
Water Quality Division

PDF to Cheyenne

Rob Young, P.E., Uinta Engineering and Surveying Inc., 2638 Commercial Way, Rock Springs, WY 82901







Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 15, 2013

Town of Saratoga
Attn: John Zeiger, Mayor
P.O. Box 486
Saratoga, Wyoming 82331

RE: 2013 Sewer Manhole Rehabilitation Project
Application No. 13-069, Carbon County

Dear Mr. Zeiger:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Sewage Collection Systems** consisting of placing sealant around approximately twenty (20) the sanitary sewer manholes located in the Sections 1, 11, 12, 13, & 14, T14N, R84W, Carbon County, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, 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.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **March 15, 2018**.

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. 13-069 in any future correspondence.

If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,

Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division

SWT/rm/13-0258

Enclosures: Certificate of Completion form

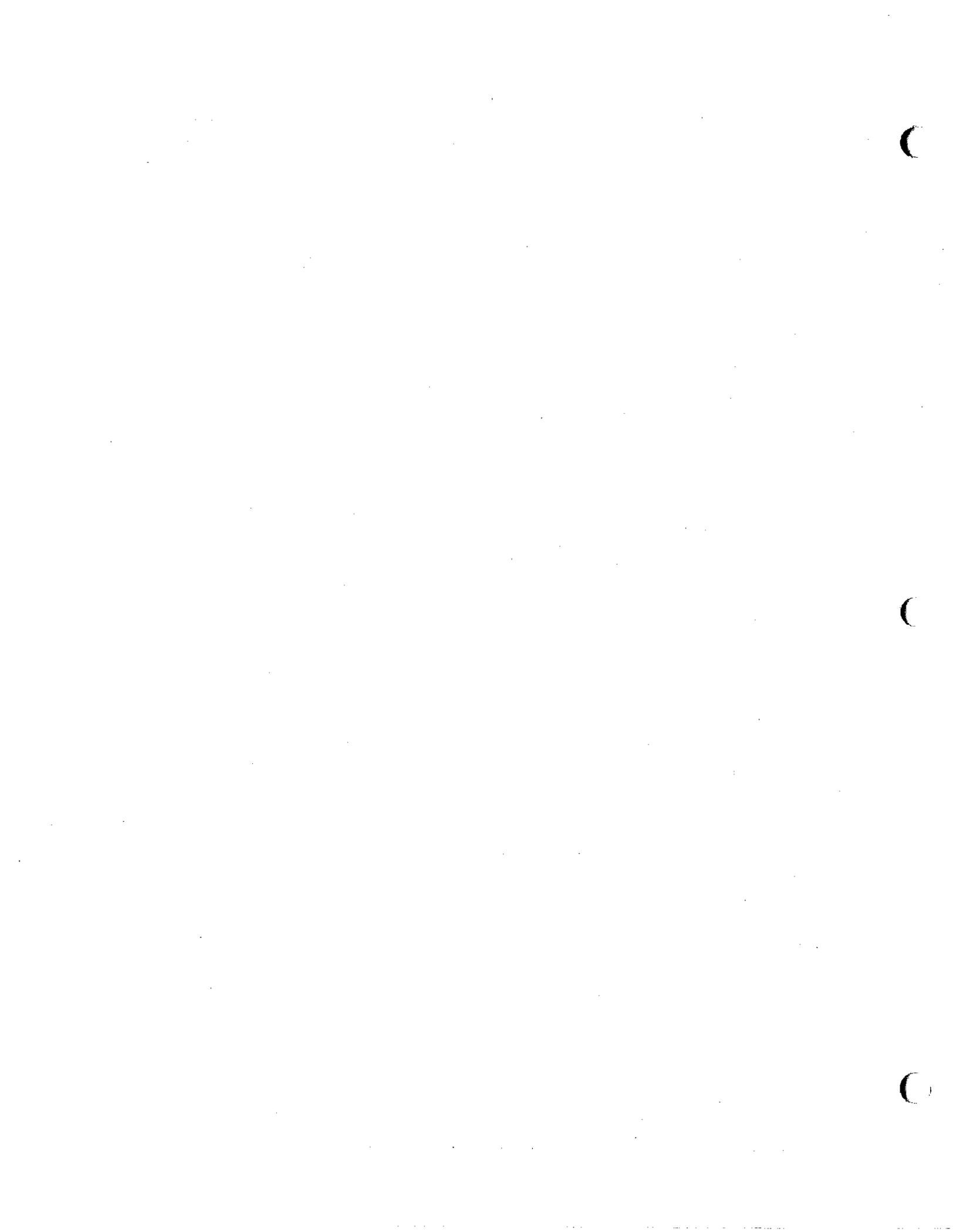
cc: IPS,

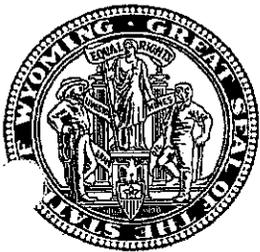
Chuck Bartlett, Town of Saratoga, P.O. Box 486, Saratoga, Wyoming, 82331

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SETTING (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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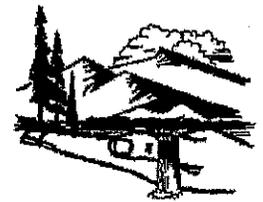






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Matthew H. Mead, Governor

Todd Parfitt, Director

March 13, 2013

Laramie County Board of Commissioners
309 W. 20th Street
Cheyenne, WY 82001

RE: **Non-Adverse Recommendation,**
Trinity Estates First Filing Subdivision, Laramie County
WDEQ/WQD Application #13-070

Dear Commissioners:

The Wyoming Department of Environmental Quality has completed the review of the proposed Trinity Estates First Filing Subdivision located in the Southeast ¼ of Section 1, T14N, R67W, 6th P.M., in Laramie County, Wyoming. The Trinity Estates First Filing Subdivision will create one (1) tract and seven (7) lots out of approximately 50.48 acres. The information was submitted by Orthodox Christian Church of Cheyenne, signed by, Russell Dahlgren, P.E./P.G., a Wyoming Licensed Engineer and Wyoming Professional Geologist. This letter represents the recommendations of the Wyoming Department of Environmental Quality as required by W.S. 18-5-306(c).

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

The proposed sewage system is the use of individual on-site septic tanks and leach fields permitted by and constructed to Wyoming Department of Environmental Quality Water Quality Rules and Regulations and the standards established by the Cheyenne/Laramie County Environmental Health Division. The information submitted addresses the safety and adequacy of the proposed sewage system, provided the statements indicated in the **"Notes required to be added to the final plat"** are adhered to.

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

The proposed water system is the use of individual water supply wells completed on each lot. Each well must be permitted by and constructed to the Wyoming State Engineer's Office standards. The information submitted addresses the safety and adequacy of the proposed water system, provided compliance with the statements indicated in the **"Notes required to be added to the final plat and other pertinent documents"** is maintained.



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

1. The minimum separation distances between private wells and leach fields shall be 125 feet, including separation between wells and leach fields from adjacent lots.
2. The upper portion of the private wells shall be sealed with a grout, cement, or bentonite seal, which is at least forty (40') feet thick.

Conclusions:

The Department of Environmental Quality has "No Adverse" recommendations applicable to the Trinity Estates First Filing Subdivision.

Disclaimer:

The Non-Adverse recommendation provided above has nothing to do with, nor has any bearing on the water rights associated with the Trinity Estates First Filing Subdivision. Any questions or concerns about the water rights for the Trinity Estates First Filing Subdivision should be directed to the State Engineer's Office.

Nothing in Department of Environmental Quality recommendations or comments regarding the Horizon Homes proposal for the Trinity Estates First Filing Subdivision shall be construed to relieve Stephan Pappas of the obligation to obtain any permits or additional approval from any local, state or federal agencies as required by law, rules, regulations, or ordinances. Nothing in these recommendations commits the Department of Environmental Quality or Laramie County to the issuance of required permits for construction, operation, or modification of water supply or sewage systems.

Sincerely,



Seth Tourney, PE.
Southeast District Engineer
Water & Wastewater Program, Water Quality Division

SWT/ rm/13-0235

cc: Stephen Pappas, Orthodox Christian Church of Cheyenne, 2617 East Lincolnway, Suite A, Cheyenne, WY, 82003
Russell Dahlgren, Dahlgren Consulting, Inc., 914 East 23rd Street, Cheyenne, WY, 82001
Laramie County Planning & Development Office, 3966 Archer Pkwy, Cheyenne, Wyoming 82009
Cheyenne/Laramie County Environmental Health Division, 100 Central Avenue, Cheyenne, Wyoming 82007
Mike Ebsen, SEO

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③

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-071

REFERENCE PERMIT NO. N/A

City of Casper 2013 Wastewater Treatment Plant Irrigation Improvements

This permit hereby authorizes the applicant:

Andrew Beamer, City Engineer
City of Casper
200 North David Street
Casper, WY 82601

to construct, install, and/or modify the City of Casper Wastewater Treatment Plant Irrigation System according to the procedures and conditions of the application number 13-071. The facility is located in the NW ¼ of Section 2, Township 33 North, Range 79 West, further located in the City of Casper, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2014.

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

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

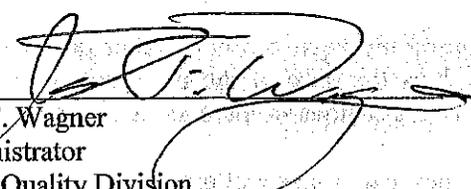
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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 6 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 6 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 6 In accordance with Part E of Chapter 11 of the Water Quality Rules and Regulations, the following site isolation requirements must be adhered to:
 - a. Wind drift shall not leave the treatment works site.
 - b. A 30-foot buffer zone is required between the irrigated site and adjacent property lines. Public right-of-ways may be utilized to meet this requirement for a buffer zone.
 - c. Surface runoff from irrigation shall not leave the treatment works site.
- 4 of 6 The treated wastewater application rate shall not exceed the irrigation need or demand of the vegetation at the site and shall not be applied at a rate greater than the agronomic rate for the vegetation at the site.
- 5 of 6 If the treated wastewater effluent exceeds limits set for the WYPDES permit, irrigation of treated wastewater must be stopped until the treated effluent is in compliance with the discharge permit.
- 6 of 6 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


Todd Parfitt
Director
Department of Environmental Quality

2-28-13
Date of Issuance

JRV/rm/13-0182

STATEMENT OF BASIS

1. Permit Number: **13-071**
2. Application reviewed for compliance with the following applicable regulations :

~~CHAPTER 3 AND CHAPTER 11 OF THE WYOMING WATER QUALITY RULES AND REGULATIONS~~
3. Does the permit comply with all applicable regulations identified above?

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

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Jason Vreeland, P.E., and completed on February 27, 2013. 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 UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
5700 SOUTH CAMPUS DRIVE
CHICAGO, ILLINOIS 60637

RECEIVED
JAN 15 1964

TO THE DIRECTOR OF THE UNIVERSITY OF CHICAGO

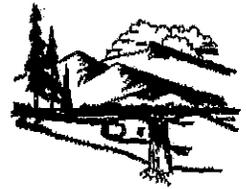
FROM THE DEPARTMENT OF CHEMISTRY

1964

THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
5700 SOUTH CAMPUS DRIVE
CHICAGO, ILLINOIS 60637



Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 5, 2013

Herman Noe, BOPU Engineering Manager
Cheyenne Board of Public Utilities (BOPU)
2416 Snyder Ave.
Cheyenne, WY 82001

RE: Snyder Avenue Reconstruction Project
DEQ Permit #13-072
Located in Laramie County, SE1/4, S36, T14N, R67W; Lat 41.134, Long. -104.831

Dear Mr. Noe,

This project consists of the installation of water and sanitary sewer upgrades on Snyder Avenue from 23rd St. to the Pershing Building. Water main upgrades include replacing approximately 1900 Linear Feet of 12 inch PVC water main, 83 residential services, 13 fire hydrants and various fittings. Sanitary Sewer upgrades include manhole replacements and rehabs along with lining 2100 feet of existing 15 inch line.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11 and Chapter 12 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, and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Construction shall be completed by October 31, 2015

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

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://deg.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, P.E.
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne
Thomas Kent P.E., AVI, P.C., 1103 Old Town Lane, STE 101, Cheyenne, WY 82009

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

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

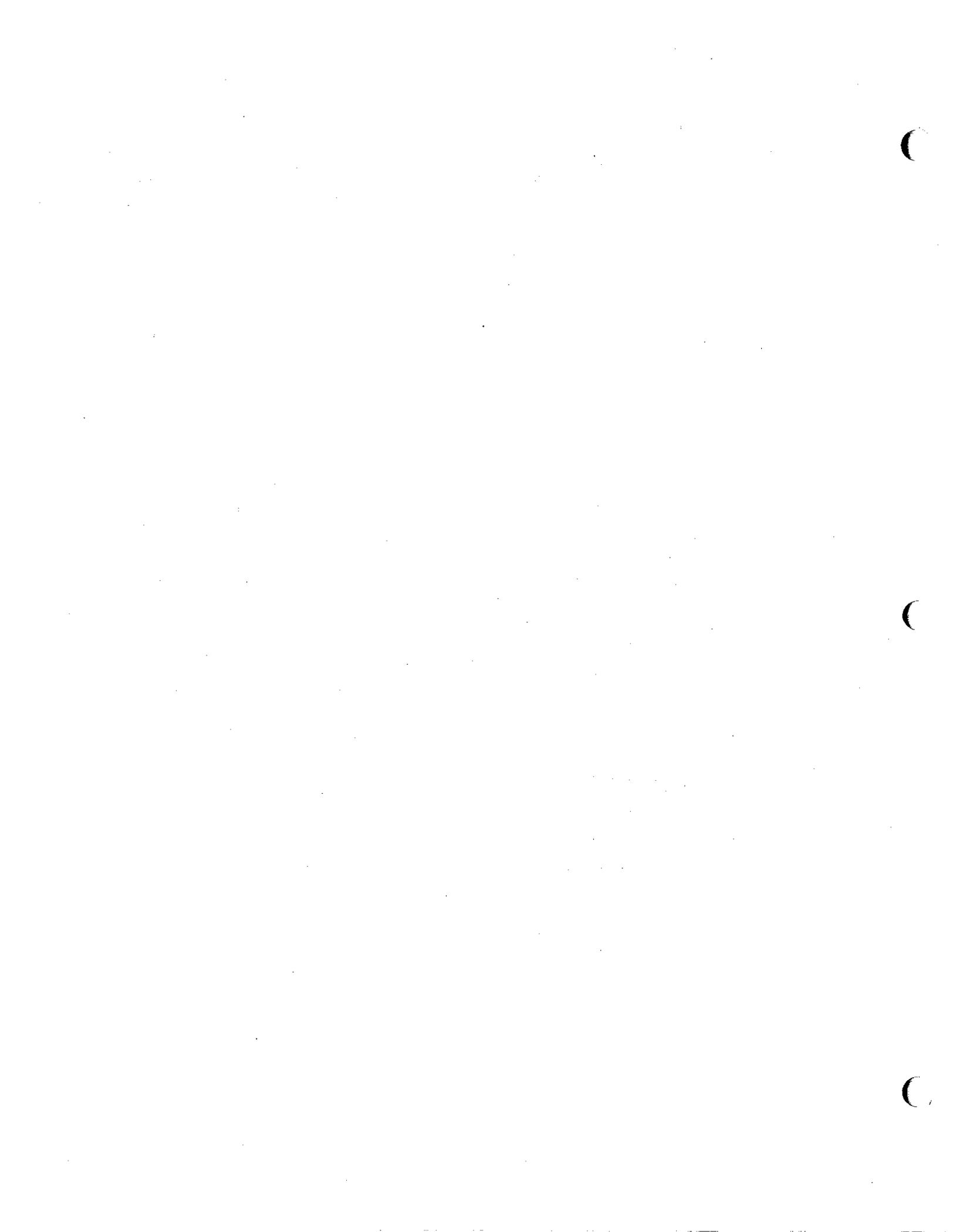
AIR QUALITY
(307) 332-6755
FAX 332-7726

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

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

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







Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 25, 2013

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

RE: Casper Streets – CY Avenue and Poplar Street Intersection
Application No. **13-073, Natrona County**

Dear Mr. Beamer:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems and Existing Sewage Collection Systems, consisting of the rehabilitation of manholes, construction of a sanitary sewer line, and the construction of 8 inch, 20 inch, and 24 inch water lines located in the SE ¼, **Section 8, Township 33N, Range 79W**, Natrona 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 facility in accordance with **Chapter 11 and 12** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2014**.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

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

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Darrin Tromble, P.E., WWC Engineering, 6000 East 2nd Street, Suite 1004, Casper, WY 82609







Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

April 26, 2013

Robert Hartley, P.E.
City of Newcastle
10 W. Warwick St.
Newcastle, WY 82701

RE: Newcastle Frontier Avenue and Stockade Avenue Water Main Replacement
Application No. 13-074, Weston County

Dear Mr. Hartley:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems, consisting of the replacement of approximately 25 feet of 6 inch PVC waterline and 260 feet of 8 inch waterline and associated appurtenances, located in the SE ¼, Section 29, Township 45N, Range 61W, Weston 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 facility in accordance with Chapter 12 of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2014.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

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

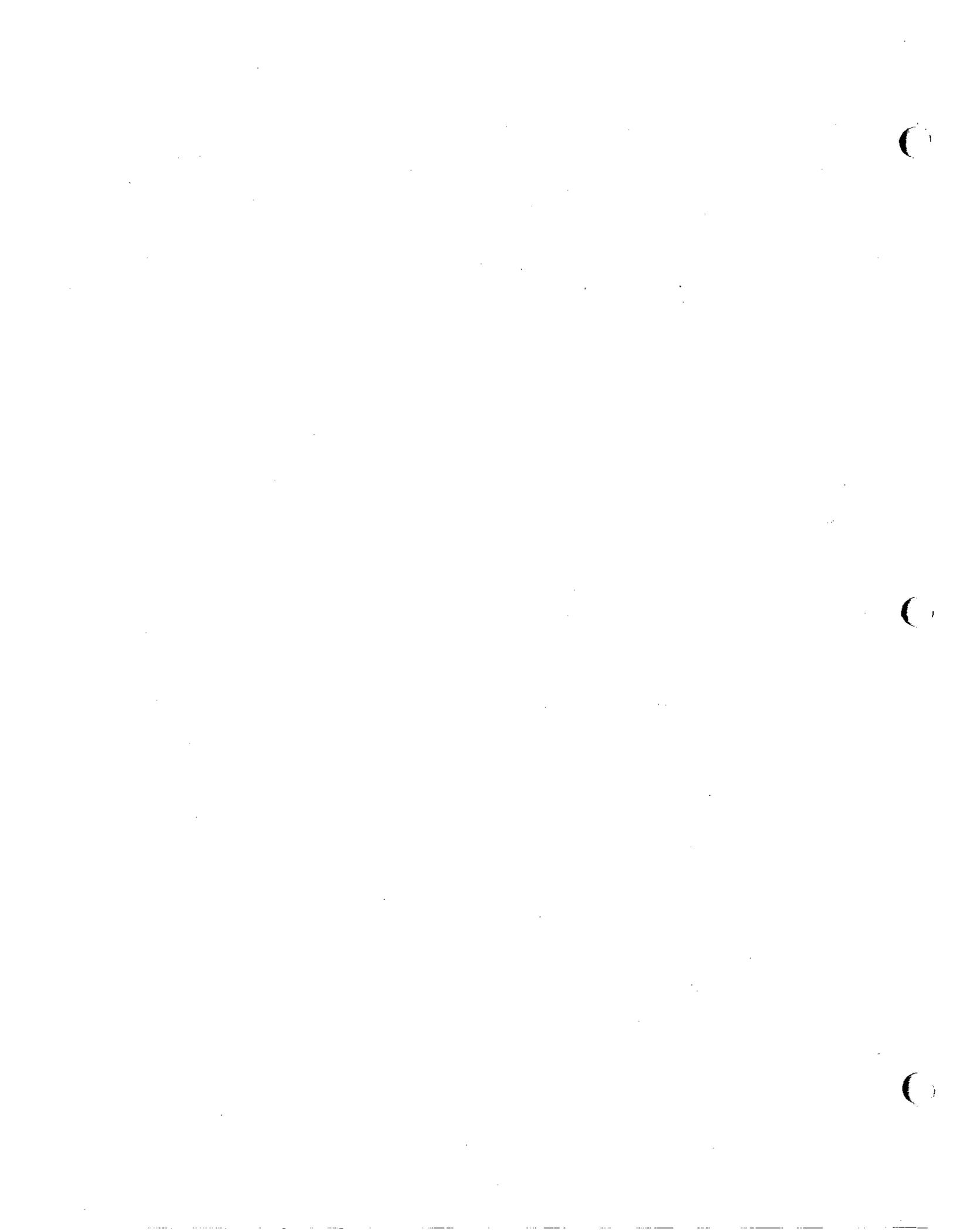
If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File







Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

Todd Parfitt, Director

March 22, 2013

Robert C. Hartley, P.E.
City of Newcastle
10 W. Warwick Street
Newcastle, WY 82701

RE: City of Newcastle Water & Sewer Improvements – Frontier Avenue and Stockade Avenue
Location: Section 29, Township 45N, Range 61W
WDEQ Application #13-074

Dear Mr. Hartley:

We have completed our review of the permit application submitted on February 19, 2013. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3469 or Karen Farley at (307) 473-3478 should you have any questions related to these comments or the application and review process.

Sincerely,

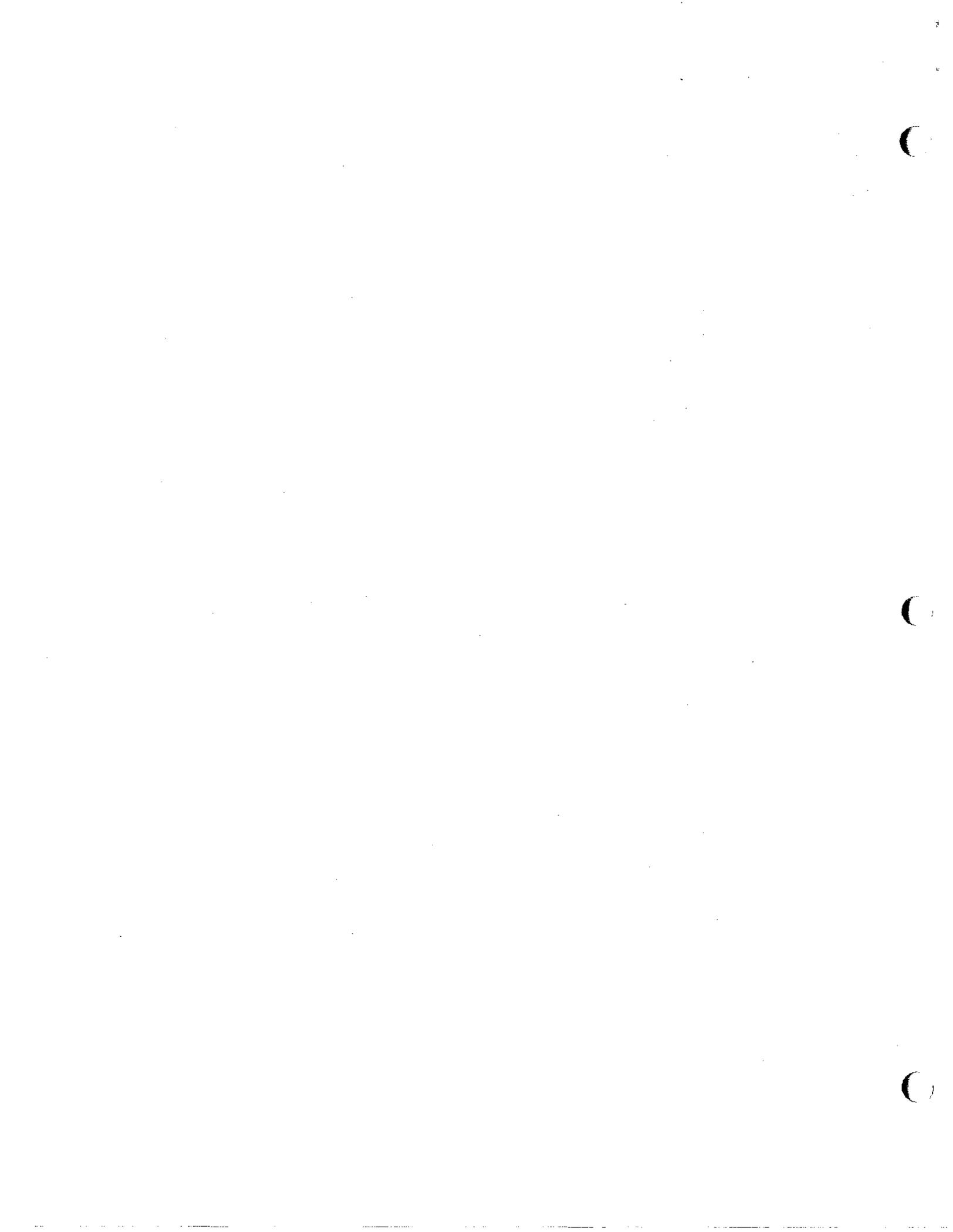
Jason Vreeland, P.E.
Assistant Northeast District Engineer
WDEQ/WQD

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

Attachments: WDEQ Comments

cc: IPS
WDEQ File





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

PROJECT: City of Newcastle Water & Sewer Improvements – Frontier Avenue and Stockade Avenue

LOCATION: Newcastle, Wyoming

ENGINEER: Robert C. Hartley, P.E.

APPLICANT: City of Newcastle

WATER QUALITY DIVISION APPLICATION NUMBER: 13-074

DATE ON PROPOSAL/PLANS/REPORT: February 14, 2013

DATE RECEIVED BY DEQ: February 19, 2013

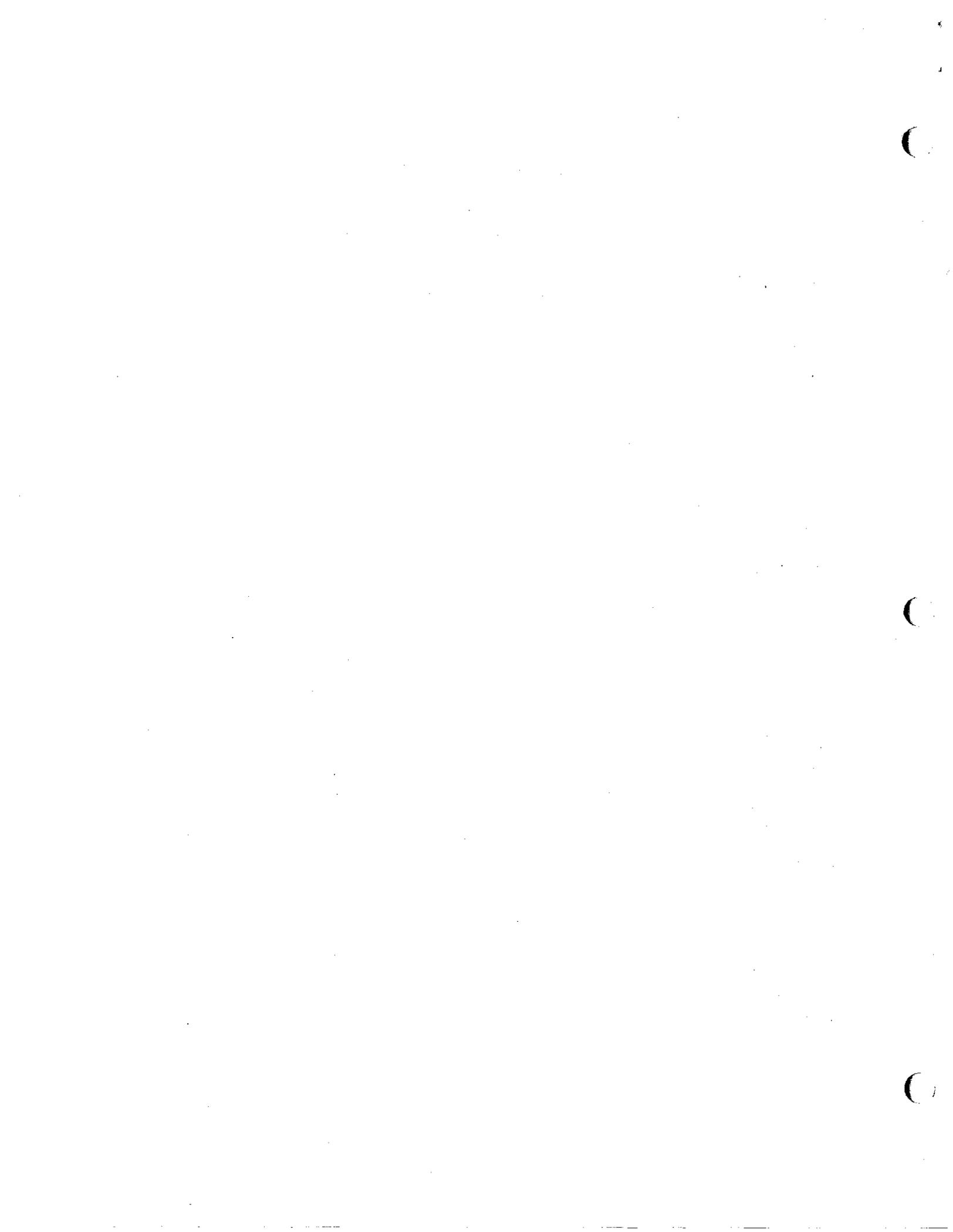
DATE OF THIS REVIEW: March 22, 2013

WDEQ REVIEWER: Jason Vreeland, P.E., Karen Farley, P.E.

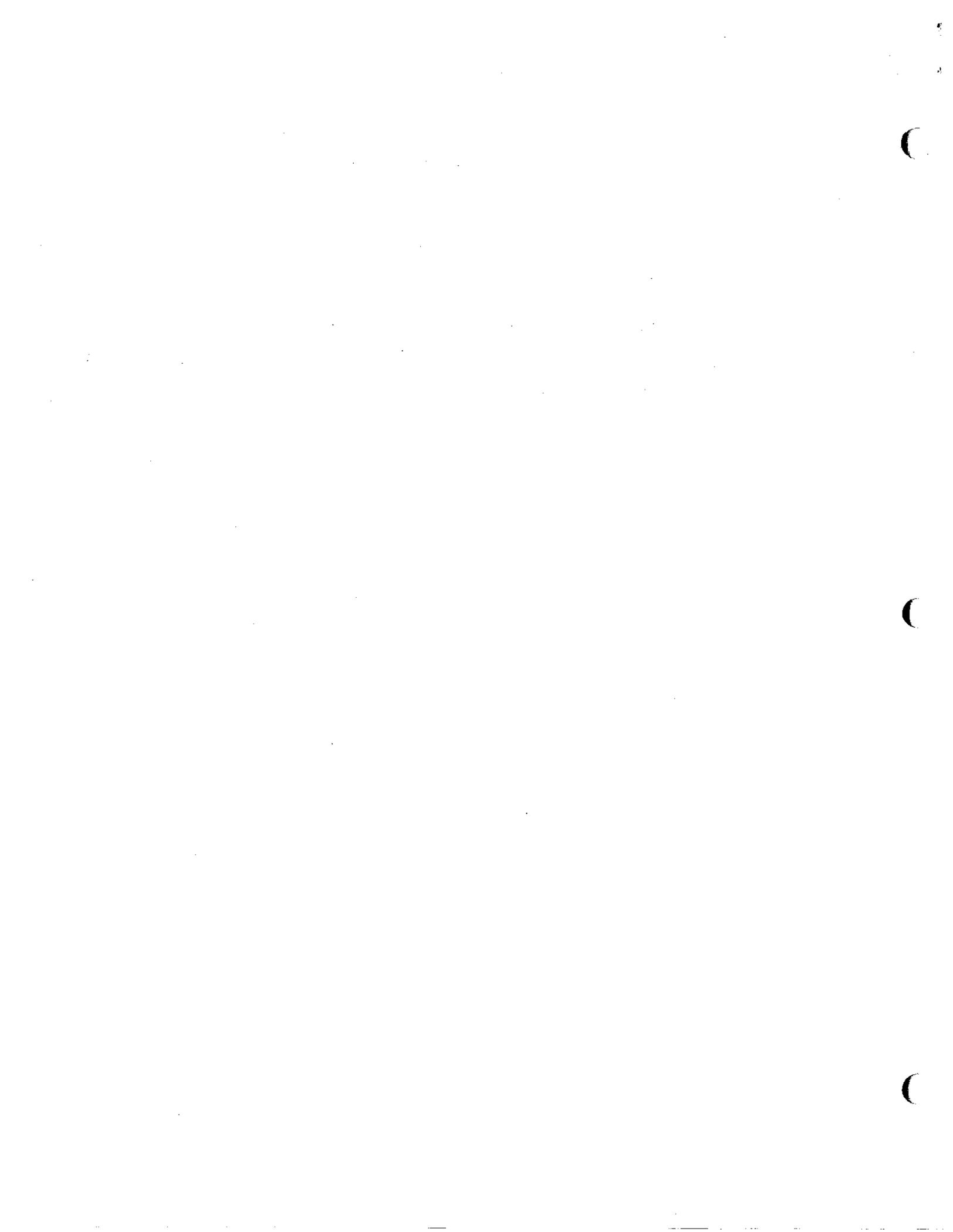
ACTION: NOT AUTHORIZED FOR CONSTRUCTION. In accordance with Chapter 3, Section 14 (a), Wyoming Water Quality Rules and Regulations (WWQRR), the application is denied because it is incomplete and/or contains errors. Please address the comments outlined below and submit the requested information/clarifications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

WDEQ COMMENTS

- 1) Chapter 12, Section 6(a) – Please indicate if any of the existing water lines are being increased in size under the proposed construction.
- 2) Chapter 12, Section 6(b) – Please provide information on the fire flow capabilities of the system. Hydrant test data or modeling must be provided to demonstrate that the system is capable of carrying fire flows.
- 3) Chapter 12, Section 6(b) – Please provide a scaled vicinity map of the project area.



- 4) Chapter 12, Section 7(c) – Please clarify the type of PVC pipe to be used. The design report indicates that Class 200 PVC will be used. Please clarify if this is to be Pressure Class 165 (DR25) or Pressure Class 235 (DR18).
- 5) Sheet 12 of 25 in the profile indicates that the connection to the existing 8 inch PVC pipe will be accomplished with a 6 inch Dresser Coupling. Please address.
- 6) Please provide Sheet 14.
- 7) Chapters 11, Section 6(a) – Please show the location of the existing sanitary sewer system and describe the purpose of the replacement. Also, please provide any special provisions or specifications for the directional drilling.
- 8) The sewer line appears to be located across a residential property. Is this portion of the sewer line in an easement? Also, is the manhole at station 1+66.9 the beginning of the sanitary sewer or does it continue after the manhole?



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

PERMIT NO. #13-075

SPECIAL CONDITIONS

REFERENCE PERMIT NO. #96-153, #97-033, #98-308, #03-336, #05-070

Stallion Portable Sewage Treatment Facility

This permit hereby authorizes the applicant:

Stallion Rockies, LTD
P.O. Box 1340
Riverton, Wyoming 82501

to install and operate portable sewage treatment facilities with land application of the treated effluent according to the procedures and conditions of the application number #13-075 (renewal of Permit #05-070). The facilities may be located in all counties in the State of Wyoming. All installations and land applications allowed by this permit shall be effective for a period of five years from the date of issuance of this permit.

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 14 The applicant will provide immediate oral or written notice to the WDEQ/WQD CBM/Oil and Gas Group 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. The WDEQ/WQD CBM/Oil and Gas Group is located at 152 North Durbin Street, Suite 100, Casper, Wyoming 82601; (307) 473-3465.
- 2 of 14 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis."
- 3 of 14 This permit is valid for temporary wastewater facilities only. Temporary is defined as one year or less. Treatment facilities at location longer than a year may be authorized by WDEQ on a case by case basis.
- 4 of 14 Treatment units authorized under this permit include the E-500 and E-1500 models. The E-500 unit is limited to treat 500 gallons per day. The E-1500 unit is limited to treat 1500 gallons per day. No more than 2000 gallons per day may be treated and discharged via land application at any one project site location without prior authorization from WDEQ.
- 5 of 14 Treatment units have the option of either land application near project site or hauling to a WDEQ permitted sewage treatment facility. Approved land application methods include dust control, and irrigation of reclaimed areas, provided as siting requirements, specified elsewhere in this permit are followed.
- 6 of 14 All operators must be properly trained in the operation of aerobic wastewater treatment systems. An operation and maintenance manual must be available in each unit. This document should outline routine maintenance; chlorination and UV disinfection procedures, effluent dispersal, and operational tests necessary to control the treatment process. In addition, a job log should be kept with each unit which will detail the time and date of the operator's checks of the facility, sludge disposal, chemical addition, and the unit's operational location. A copy of the operation and maintenance manual shall be submitted to WDEQ CBM/Oil and Gas Program within 30 days of permit issuance.
- 7 of 14 The applicant will maintain a log of the following information.
 - a. Unique treatment unit identification number
 - b. Legal location or GPS location
 - c. Rig company and number
 - d. Operator and well name
 - e. Start up date at that location
 - f. Shut down date at that location
 - g. Disposal method (land apply or haul off-site) and location.

This log will be made available to WDEQ upon request.

For those facilities which land apply treated wastewater, the following conditions apply:

- 8 of 14 The treated effluent from each treatment unit must be sampled two to seven days after start up and at least once at each location and then every three months for longer term operations. The effluent must be analyzed for the following:

- a. Fecal coliform
- b. Residual chlorine
- c. pH

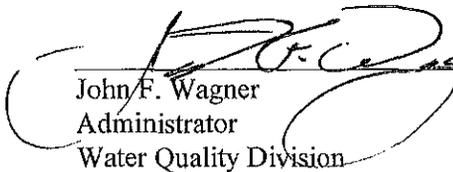
- 9 of 14 The effluent fecal coliform bacteria must be reduced by positive disinfection to 200 colonies/100 milliliters or less. BOD and TSS must be 30 mg/l or less and the pH must be between 4.5 and 9.0.
- 10 of 14 The land application of effluent must be approved in writing by the landowner. If the unit is to be used on lands administered by the U.S. Bureau of Land Management, approval to the operator as described in the APD authorizing discharge of treated waste water will suffice as land owner consent. If the unit is to be used on privately owned lands, approval will consist of a written authorization form, or if the authorization is provided verbally by the landowner, documentation including the date the owner was contacted and the phone number of the land owner must be provided. This information may be submitted with the monthly report, discussed elsewhere in this permit.
- 11 of 14 The application site must meet the following siting requirements:
- a. The application area must be a minimum of 100 feet from the well pad, buildings, and roadways, or provide documentation that a closer separation distance will be protective of human health (no human contact with aerosol or effluent).
 - b. There must be a minimum of 300 feet separation between the limits of the application area and any water wells.
 - c. There must be a minimum 150 feet separation between the edge of the application/infiltration area and any surface water body, drainage channel, or ephemeral drainage. Application/infiltration areas shall be a minimum of 25 feet from a break in slope that exceeds 15%.
 - d. Ground slope shall be less than 15%.
 - e. Depth to groundwater in the application/infiltration area must be at least two feet.
 - f. Discharge during winter months (November 1 through April 30) will be allowed provided the discharge point is changed every 16 days of service or if the ice pad exceeds 500 square feet. Any areas used for discharge during the winter months will be seeded either the following spring using an appropriate seed mix as determined by the applicable surface owner, or directly onto the ice pad during the discharge, using an appropriate seed mix with amendments.
 - g. No discharge is allowed during saturated soil conditions or when such discharge would cause damage to slopes (erosion).
 - h. Application areas for locations with multiple treatment units must be separated by 50 feet.
 - i. The discharge point must be moved every 30 days, at a minimum. The new application site must meet the original siting requirements.
- 12 of 14 All application units must be moved as a sufficient interval to prevent ponding, pooling, runoff, erosion and vegetation damage. The new application area must be 50 feet from the previous one.
- 13 of 14 Signage shall be provided at the project site where treated waste water is land applied. The signage will provide warnings to protect the health and safety of workers near the discharge location.

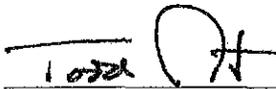
14 of 14 Monthly monitoring reports will be submitted to WDEQ CBM/Oil and Gas Program. These reports will include the following information:

- a. Unique treatment unit identification number
- b. Landowner name and written authorization form
- c. Legal location (GPS or ¼ ¼ section shown on a topographic map)
- d. Rig company and number
- e. Operator and well name
- f. Start up date at that location
- g. Shut down date at that location
- h. Sample results

For those months where there are no discharges to land, provide a written statement (either submitted on paper or via email) to WDEQ certifying that no mobile septic treatment units operated during the previous month discharged to the land. Wastewater from all units were tanked and hauled to an appropriate facility.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


Todd Parfitt
Director
Department of Environmental Quality

3-8-13
Date of Issuance

KJM/rm/13-0201

cc: WDEQ Casper Field Office

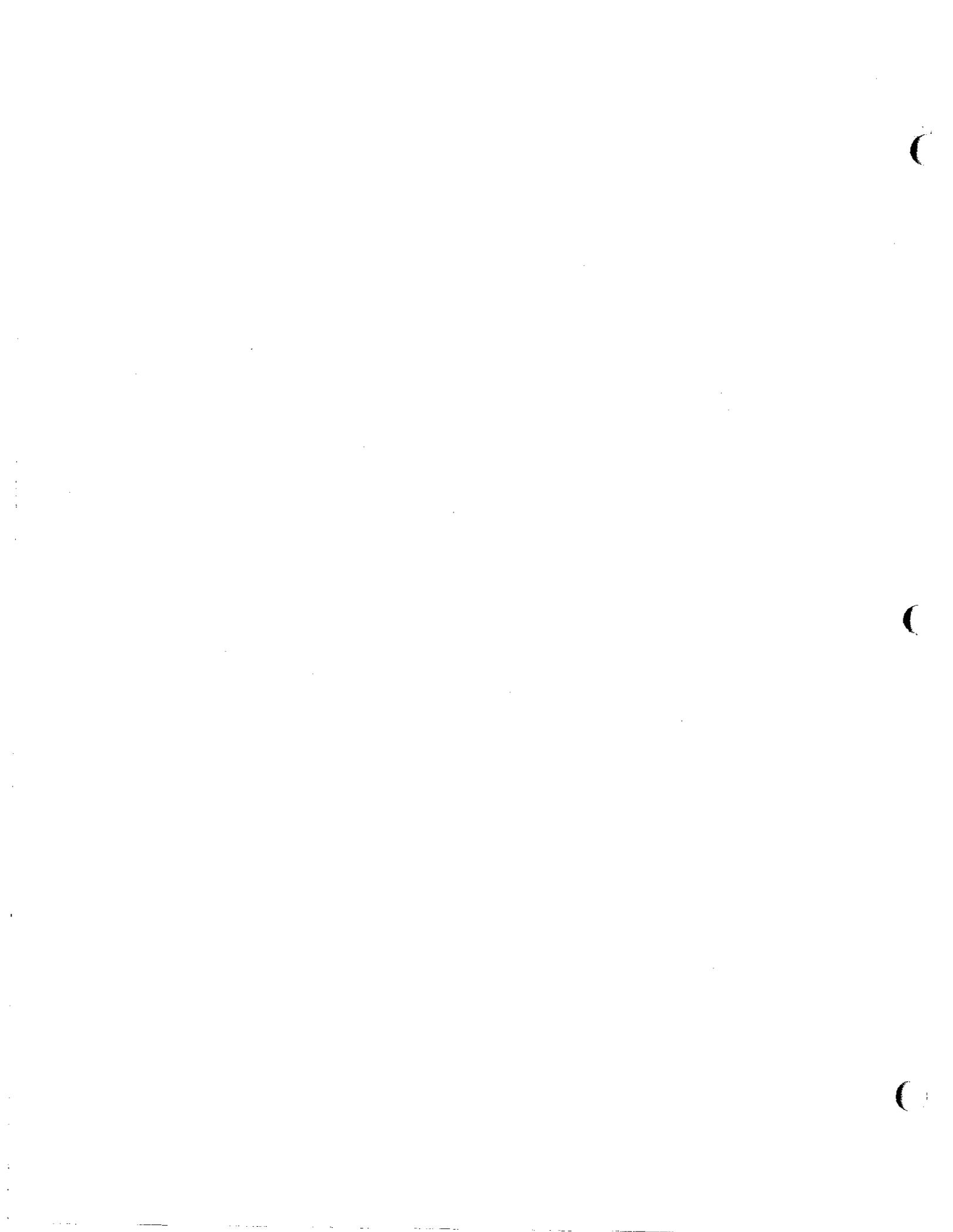
STATEMENT OF BASIS

1. Permit Number: 13-075, renewal of Permit #05-070
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# 04-167.
3. Does the permit comply with all applicable regulations identified above?
 - a. Yes
4. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.
 - a. Not required.
5. Documentation of Statement of Basis.

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Kim Medina, Geologic Project Analyst, and completed on February 26, 2013. 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.



Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

February 25, 2013

William & Holly Crowley
P.O. Box 334
Wheatland, WY 82201

RE: Crowley Shop Leachfield Addition,
Application No. 13-076, Platte County

Reference Permit #08-522

Dear Mr. and Mrs. Crowley:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate a Small Wastewater Facility** adding 32 feet of chamber type trench leachfield divided for a private residence located next to a shop, located in the **SE¼, Section 20, T21N, R65W, Platte County** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the small wastewater system in accordance with **Chapter 25** of the Water Quality Division Rules and Regulations, the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by February 25, 2015.

1. The parallel leachfield must be level with the existing leachfield.
2. Nothing in this permit alleviates the applicant in comply with all local ordinances and regulations.

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

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	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) 777-7152 FAX 777-5973	WATER QUALITY (307) 777-7181 FAX 777-5973
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Please reference Application No. 13-076 in any future correspondence.

If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.
Southeast District Engineer
Southeast District, Water & Wastewater Section
Water Quality Division

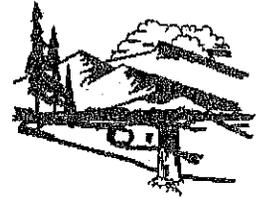
SWT/rm/13-0164

Enclosures: Certificate of Completion

cc: IPS
Platte County Planning Office, Reed Elmquist, P.O. Box 728, Wheatland, WY 82201
Jake Chaffin, Willeuts Backhoe Service, 352 Pine Street, Wheatland, WY 82201



Department of Environmental Quality



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

Matt Mead, Governor

Todd Parfitt, Director

April 22, 2013

Paul C. Jenkins, Chairman
Lincoln County Board of Commissioners
925 Sage Avenue, Suite 302
Kemmerer, WY 83101

Subject: Non-Adverse Recommendation, Granite Ridge Subdivision, Lincoln County, DEQ/WQD Application # 13-077

Dear Mr. Chairman:

The Wyoming Department of Environmental Quality has completed the review of the proposed Granite Ridge Subdivision located in the S ½ of Section 9, in T36N, R119W, in Lincoln County, Wyoming. Generally described, the property is located about 3 miles southwest of the Town of Alpine, Wyoming and ¾ miles west of Highway 89. The Granite Ridge Subdivision consists of 11 lots on about 26 acres. This information was submitted and signed by Ryan J. Erickson, P.E., a Wyoming Licensed Engineer with Sunrise Engineering. This letter represents the recommendations of the Wyoming Department of Environmental Quality as required by W.S. 18-5-306(c).

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

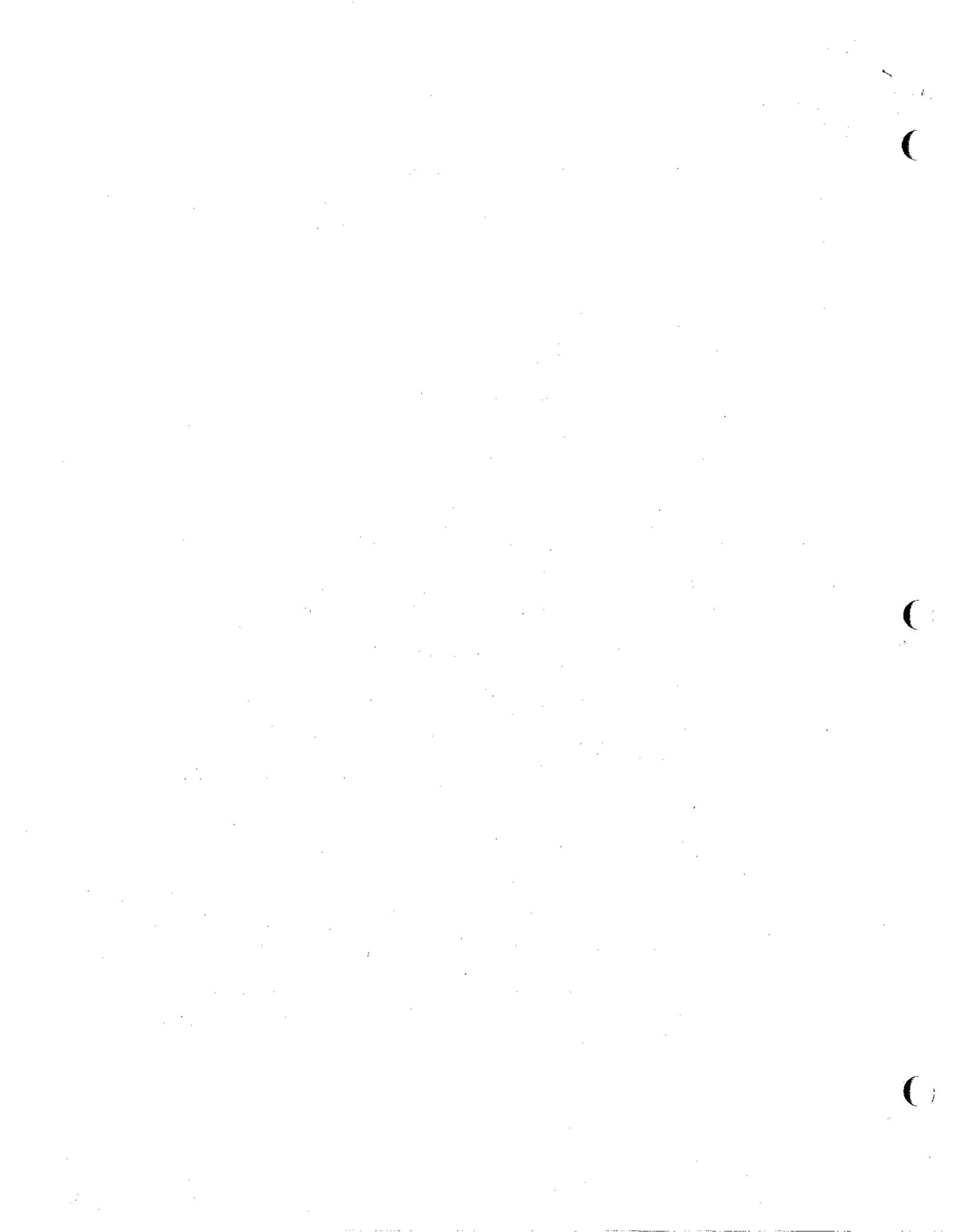
The proposed sewage systems will consist of individual conventional septic tanks for each residential lot and Advanced Enviro-Septic Wastewater Treatment System-leach fields. The proposed sewage systems are safe and adequate for the Granite Ridge Subdivision.

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

The proposed water system will consists of a common well. Results from groundwater quality testing, indicates that the proposed groundwater supply might not meet United States Environmental Protection Agency's, (USEPA), secondary drinking water standards for iron and manganese. The contaminate level for iron was 0.70 mg/l or about 233 % greater than the standard and the contaminate level for manganese was 0.15 mg/l or about 300 % greater than the standard. Since both iron and manganese can be removed from groundwater with treatment, the proposed water system is safe and adequate for the Granite Ridge Subdivision.

Page 1 of 3





Lincoln County Board of Commissioners
April 22, 2013

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

For Sewage Systems

All Granite Ridge Subdivision septic systems must meet the enhanced wastewater treatment standard required by Chapter 23, Section 7(d)(viii)(C) of the Wyoming Water Quality Rules and Regulations. The minimum standard must be continually met at 4 feet above the seasonally high groundwater. The standard is Fecal Coliform: < 800 colonies/100mL (maximum 30 day geometric mean) and Total Kjeldahl Nitrogen: < 25mg/L (maximum 30 day average). For all septic systems within the Granite Ridge Subdivision it is the Individual lot owners' responsibility to have a Professional Engineer Licensed with the State of Wyoming, obtain a Chapter 3 Permit to Construct, from the Wyoming Department of Environmental, Water Quality Division to authorize the construction of a septic system with a leach field. The permit application must be submitted to the Southwest District Engineer, Water Quality Division, 510 Meadowview Drive, Lander, WY 82520.

For Water Systems

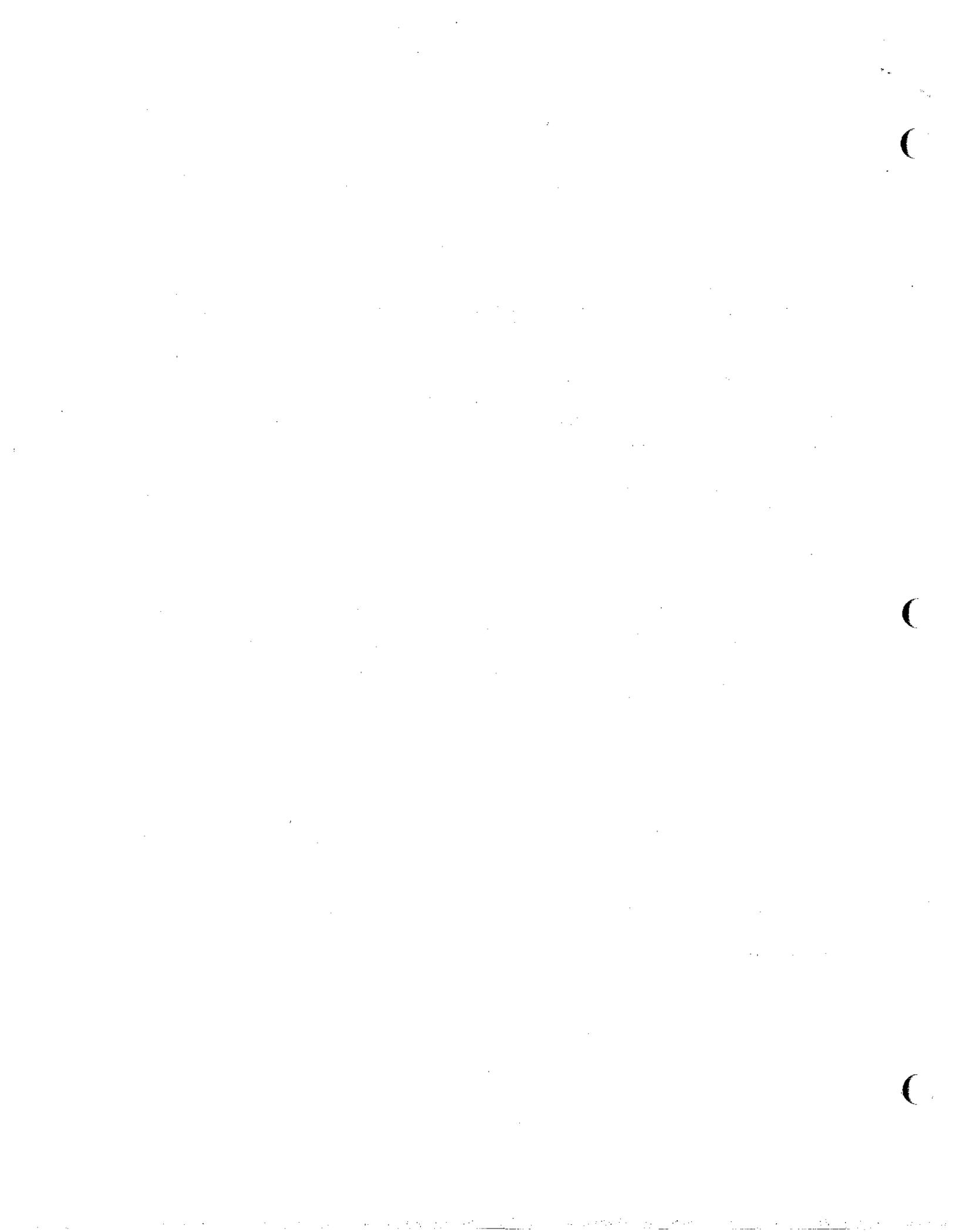
It is the Granite Ridge Water System Developer's responsibility to have a Professional Engineer Licensed with the State of Wyoming, obtain a Chapter 3 Permit to Construct, from the Wyoming Department of Environmental, Water Quality Division to authorize the construction of either a subdivision water system or a public water supply system. The permit application must be submitted prior to any construction on the water system to the Southwest District Engineer, Water Quality Division, 510 Meadowview Drive, Lander, WY 82520.

Conclusions:

The Department of Environmental Quality has "Non- Adverse" recommendations applicable to the Granite Ridge Subdivision.

Disclaimer:

The Non-Adverse recommendation provided above has nothing to do with, nor has any bearing on the water rights associated with the Granite Ridge Subdivision. Any questions or concerns about the water rights for the Granite Ridge Subdivision, should be directed to the State Engineer's Office.



Lincoln County Board of Commissioners
April 22, 2013

Nothing in Department of Environmental Quality recommendations or comments regarding Ryan J. Erickson's proposal, for the Granite Ridge Subdivision, shall be construed to relieve William J. Wiemann of the obligation to obtain any permits or additional approval from any local, state or federal agencies as required by law, rules, regulations, or ordinances. Nothing in these recommendations commits the Department of Environmental Quality or Lincoln County to the issuance of required permits for construction, operation, or modification of water supply or sewage systems.

Sincerely,

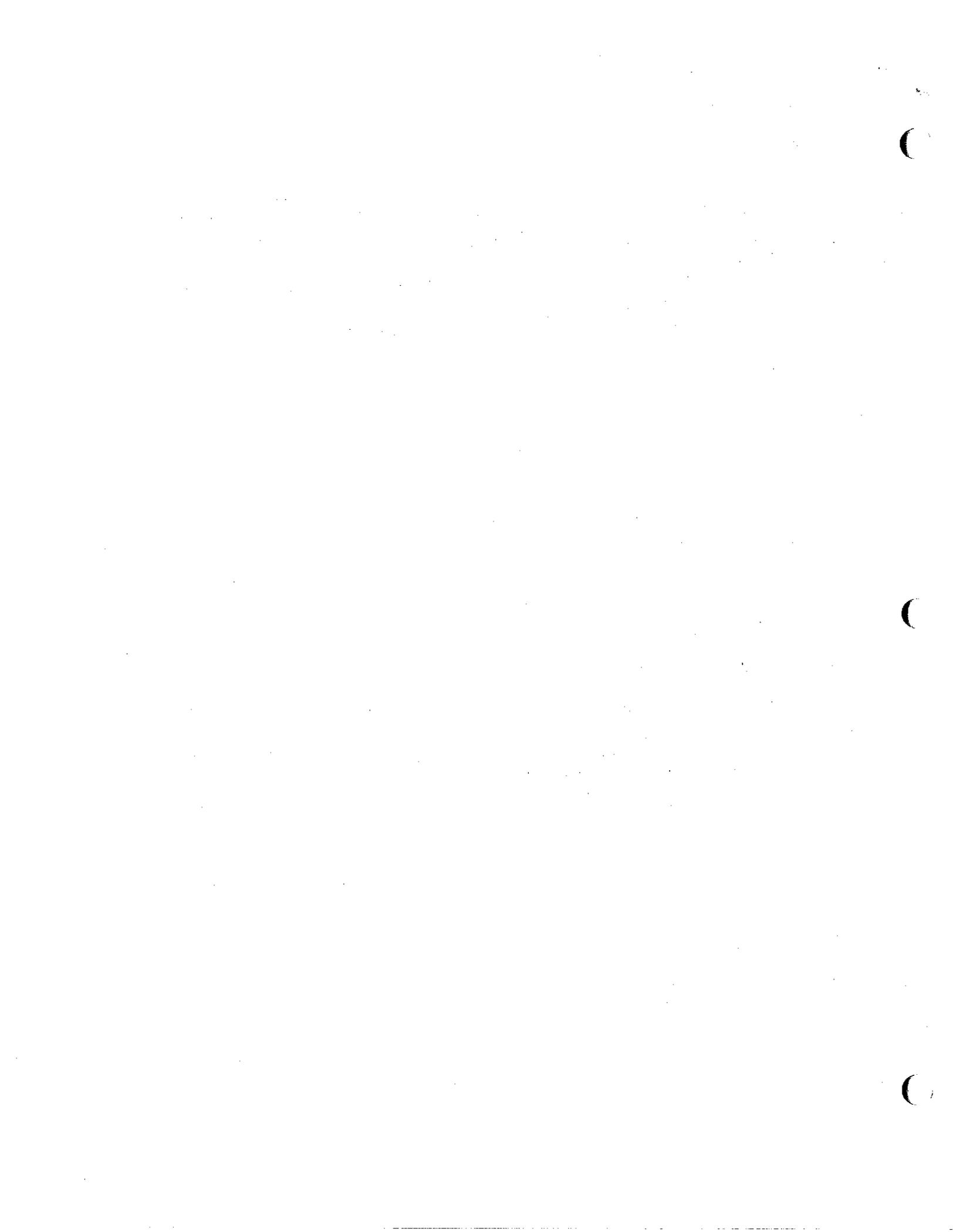
A handwritten signature in black ink, appearing to read "Mark Baron", with a long horizontal flourish extending to the right.

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

MDB/mdb

xc:

William J. Wiemann, WJW Holdings, P.O. Box 3309, Alpine, WY 83128
Ryan J. Erickson, P.E., P.O. Box 609, Afton, WY 83110
John Woodward, Lincoln County Planning Office, 421 Jefferson St., Ste 701, Afton, WY 83110
Mr. Mike Ebsen, Water Management Specialist, Wyoming State Engineers Office, Herschler Building, 4th Floor East, Cheyenne, WY 82002
IPS & Rich Cripe, WDEQ/WQD, Cheyenne





Department of Environmental Quality

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



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

Todd Parfitt, Director

March 21, 2013

Ben Weaver, P.E.
WWC Engineering
1849 Terra Road
Sheridan, WY 82801

RE: Buffalo Northwest Water Supply Project
Location: Section 22, Township 51N, Range 82W
WDEQ Application #13-078

Dear Mr. Weaver:

We have completed our review of the permit application submitted on February 22, 2013. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3469 should you have any questions related to these comments or the application and review process.

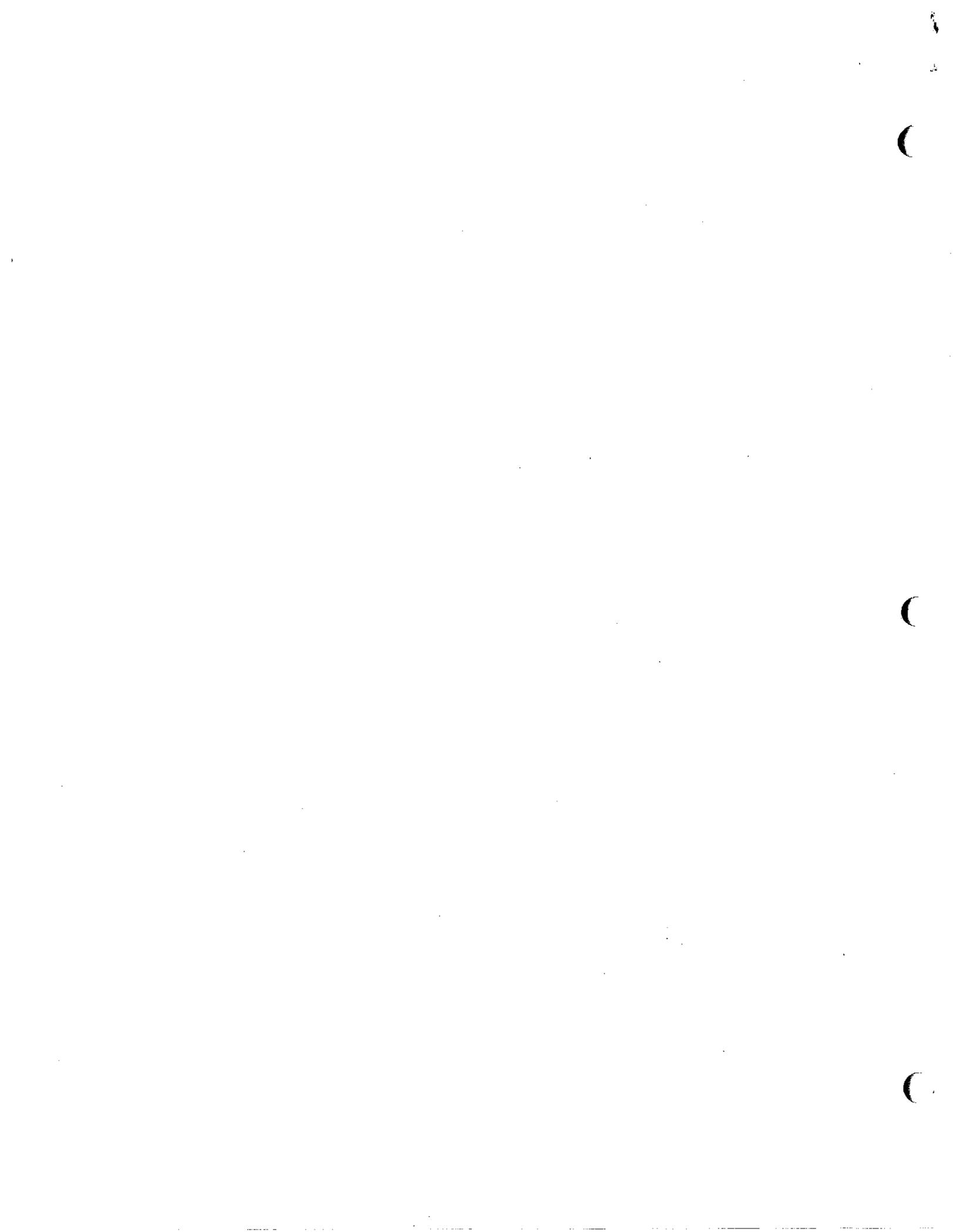
Sincerely,

Jason Vreeland, P.E.
Assistant Northeast District Engineer
WDEQ/WQD

Attachments: WDEQ Comments

cc: IPS
WDEQ File
Keenan Hendon, P.E., WWDC, 6920 Yellowtail Drive, Cheyenne, WY 82002





WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-078

REFERENCE PERMIT NO. N/A

City of Buffalo Northwest Water Supply Project
PWS No. WY5600005

This permit hereby authorizes the applicant:

Les Hook, Public Utilities Director
City of Buffalo
46 North Main Street
Buffalo, WY 82834

to construct, install or modify a new 500,000 gallon potable water storage tank and approximately 4.5 miles of associated transmission lines according to the procedures and conditions of the application number 13-078. The facility is located in Section 22, Township 51 North, Range 82 West, further located in Johnson County, Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2015.

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

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

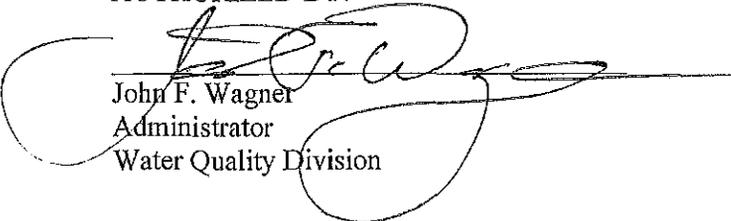
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does

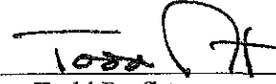
not relieve the permittee from any duty to obtain any other permit or authorization that may be required by any provision of federal, state or local laws.

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 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 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 5 of 5 Construction of the storage tank will not commence until the WDEQ/WQD Northeast District Office has been provided, and has approved, the storage tank structural and foundation designs sealed by a Wyoming professional engineer.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


Todd Parfitt
Director
Department of Environmental Quality

3-29-13
Date of Issuance

JRV/rm/13-0300

cc: Benjamin Weaver, P.E., WWC Engineering, 1849 Terra Avenue, Sheridan, WY 82801 John Gillis, PhD, EPA Region 8, 1595 Wynkoop Street, Denver, CO 80202-1129

STATEMENT OF BASIS

1. Permit Number: **13-078**

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. A VARIANCE HAS BEEN REQUESTED FOR VALVE SPACING ON THE TRANSMISSION LINE AND ALSO FOR WORKING PRESSURES BELOW 35 PSI.

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

YES. THE VALVE SPACING WAS INCREASED TO A MAXIMUM OF 1,320 FEET BECAUSE THE LINE DOES NOT CONTAIN SERVICE LINES, AND BECAUSE DISTRIBUTION LINES WILL BE REQUIRED TO HAVE ISOLATION VALVES.

THE PRESSURE DROPS TO AS LOW AS 30 PSI WHEN IN CLOSE PROXIMITY TO THE STORAGE TANKS. WATER DISTRIBUTION LINES ARE NOT PROPOSED IN THIS AREA.

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 Jason Vreeland, P.E., and completed on March 28, 2013. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



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

PROJECT: Buffalo Northwest Water Supply Project

LOCATION: Buffalo, Wyoming

ENGINEER: WWC Engineering

APPLICANT: City of Buffalo

WATER QUALITY DIVISION APPLICATION NUMBER: 13-078

DATE ON PROPOSAL/PLANS/REPORT: February 21, 2013

DATE RECEIVED BY DEQ: February 22, 2013

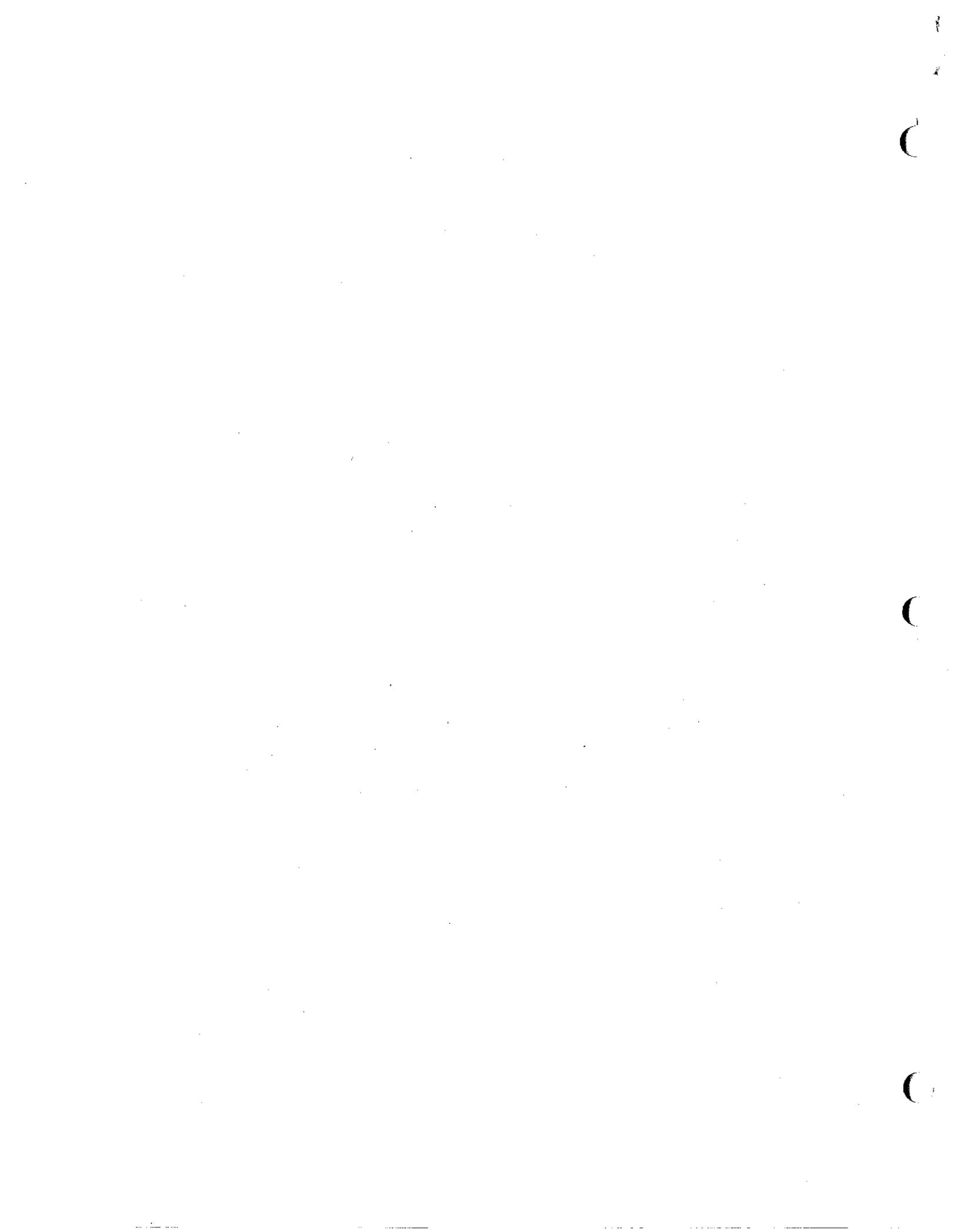
DATE OF THIS REVIEW: March 21, 2013

WDEQ REVIEWER: Jason Vreeland, P.E.

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

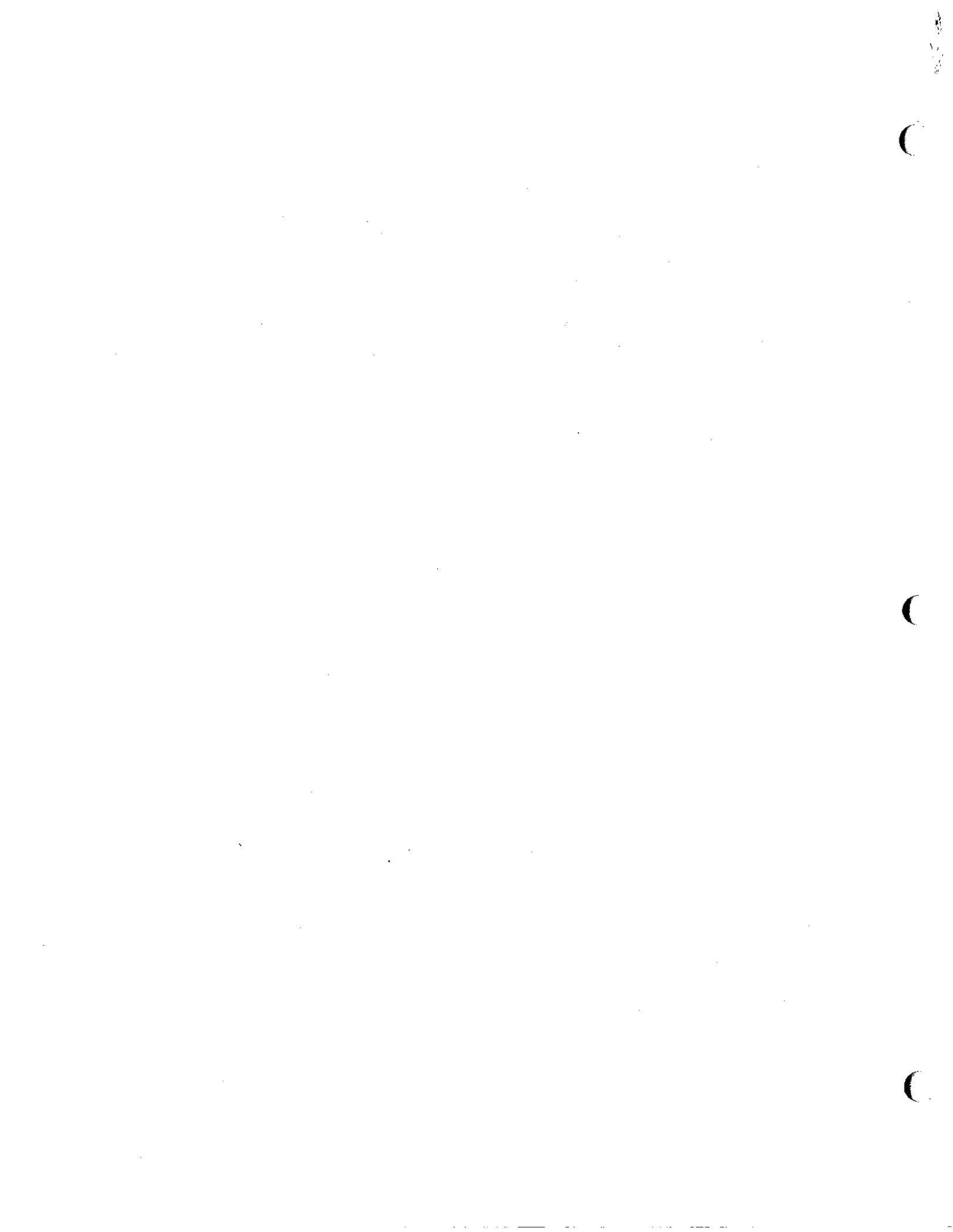
WDEQ COMMENTS

- 1) Chapter 12, Section 14(d) – The geotechnical report notes that some areas of the alignment have groundwater within five feet of the surface. Blowoffs with drains and gravel drain areas are proposed in some of these areas. Weep holes or drains are not allowed when groundwater levels are above the drain area. Please address.
- 2) Chapter 12, Section 14(g) – The transmission line appears to cross underneath a sanitary sewer line at stations 312+65 on the East Leg, and 400+70 on the fairgrounds transmission line. According to WWQRR, the transmission line must be placed in a separate conduit pipe or flow-filled in accordance with Policy 14.14.14. Please address.
- 3) Chapter 12, Section 14(e) – The water on the floor alarm for the altitude valve vault is listed in



the specifications but is not noted on the plan set. Please address. Also, please provide the type of alarm to be installed.

- 4) Chapter 12, Section 14(b)(i) – Section 3.0 of Appendix E notes that all transmission lines will have pressures greater than 35 psi except for the Airport Road Transmission Line. The calculations appear to indicate that the French Creek Line does not have a working pressure greater than 35 psi at station 131+00 either. According to WWQRR, the normal working pressure in the system shall not be less than 35 psi. A variance may be requested but adequate justification to support a variance must be provided.
- 5) Please provide the tank filling velocity.
- 6) The Operations manual appears to address tank levels during summer and winter months. Please explain when the system is to switch from winter to summer mode.





Department of Environmental Quality

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



Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

April 5, 2013

Todd Gnose
2280 W. Teton
Green River, WY 82935

RE: Cross Roads Commercial Park - Water Main Extensions - Permit Number 13-079, NW ¼ Section 5, T18N, R105W, Sweetwater County

Dear Mr. Gnose:

The above application for coverage under **General Permit to Construct** for the extension of a **Public Water Supply System** consisting of about 505 linear feet (LF) of 8-inch PVC water main to serve commercial lots in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at:

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

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

Sincerely,

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

PDF to Cheyenne

Randy J. Hansen, P.E., JFC Engineers Surveyors, 1515 Ninth Street, Suite A, Rock Springs, 82901

Page 1 of 1



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Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

April 12, 2013

Granite Peak Development

Attn: Rich Fairservis, Managing Member
1300 Venture Way
Cheyenne, Wyoming 82609

RE: Berwick and Wallick Roads Water and Sewer Improvements
Application No. **13-080, Laramie County**

Dear Mr. Fairservis:

The above application for coverage under **General Permit to Construct**, Install, Modify or Operate Extensions to or Modifications of Existing Public Sewage Collection Systems consisting of installing 4,260 LF of 8" PVC SDR35 located in the **Sections 14, 15, 22, 23, and 27, T13N, R67W, Laramie County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, in accordance with the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

1. Per our meeting with Bruce Perryman, AVI, on April 12, 2013, this permit application applies to the plans, specifications, and report for the sanitary sewer main construction only. All references to the water main improvements shall not be constructed under Permit No. 13-080, and the water main improvements shall be re-submitted in a future permit application.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by April 12, 2018.

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

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

ADMIN/OUTREACH (307) 777-1758 FAX 777-7682	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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Please reference Application No. 13-080 in any future correspondence.

If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division

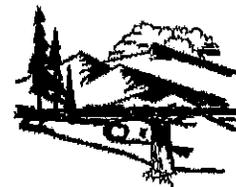
SWT/rm/13-0328

Enclosures: Certificate of Completion form

cc: IPS
Bruce Perryman, AVI, p.c., 1103 Old Town Lane, Ste. 101, Cheyenne, WY, 82009



Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

May 22, 2013

Ron Granger
Fremont County Community College District
2660 Peck Ave.
Riverton, WY 82501

RE: CWC Student Housing - Riverton
DEQ Permit #13-081
Located in Fremont County, SE ¼, S 29, T 01N, R 04E

Dear Mr. Granger,

This project consists of the construction of approximately 210 feet of four inch water line, 154 feet of six inch sewer collection line, and two manholes to serve new student housing.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; Chapter 11 and Chapter 12 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, and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems and the General Permit to Construct, Install, Modify or Operate Extensions to or Modification of Existing Sewage Collection Systems. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Construction shall be completed by October 31, 2015

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

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, P.E.
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne
David Dufault, Nelson Engineering, P.O. Box 1599, 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



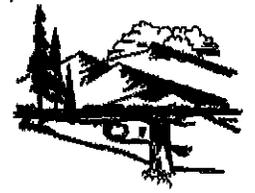
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Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 5, 2013

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

RE: 2013 Multiple Sanitary Sewer Main Rehabilitation Project
DEQ Permit #13-082
Located in Park County, in multiple locations in T53N, R101W

Dear Mayor Brown,

This project consists of the installation of approximately 1863 linear feet of 8 inch PVC cured in place sewer pipe liner.

The above application for coverage under General Permit has been reviewed in accordance with Chapter 3, Section 7; and Chapter 11 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 and the General Permit to Construct, Install, Modify or Operate a Sewage Collection System. Construction shall be completed by October 31, 2015

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

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, P.E.
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne
Stephen Payne P.E., City of Cody, P.O. Box 2200, Cody, WY 82414

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

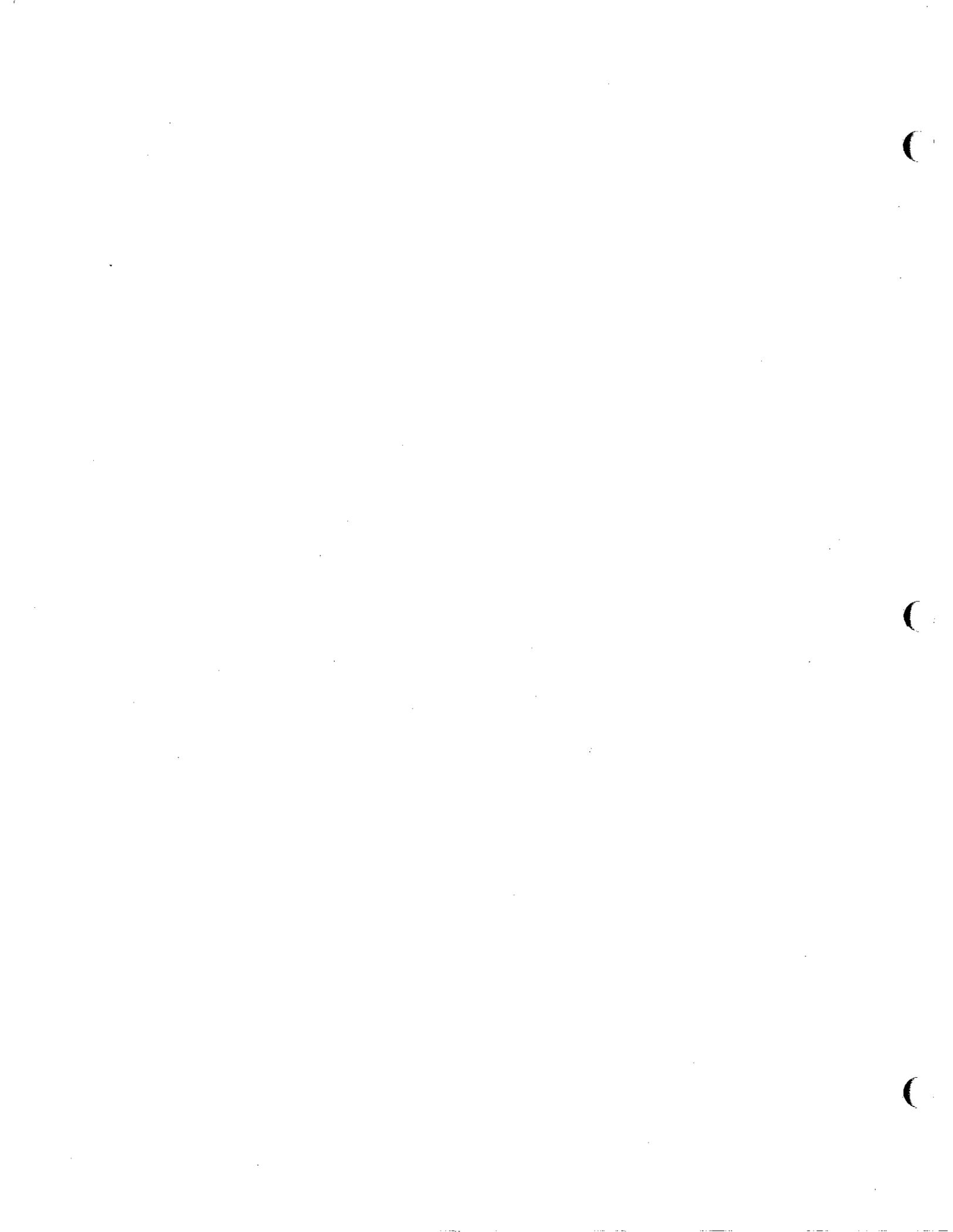
AIR QUALITY
(307) 332-6755
FAX 332-7726

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

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

WATER QUALITY
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FAX 332-7726







Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 6, 2013

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

RE: Airport Treated Water Upgrade Project
DEQ Permit #13-083
Located in Park County, T70, T53N, R101W; Lat 44.5118, Long. -109.0361

Dear Mayor Brown,

This project consists of the installation of approximately 1497 linear feet of 8 inch water main to replace the existing 8 inch ductile iron water main.

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

You are authorized to construct, the facility in accordance with the the materials submitted in your application package and the **General Permit to Construct, Install, Modify or Operate Extensions to or Modification to Existing Public Water Supply Distribution Systems**. Construction shall be completed by **October 31, 2015**

Your attention is directed to the attached Certificate of Completion form, which is to be submitted within 60 days of the completion of the aforementioned project.

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, P.E.
Assistant Northwest District Engineer
Water Quality Division

xc: PDF to Cheyenne
Stephen W. Payne P.E., City of Cody, P.O. Box 2200, Cody, WY 82414

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

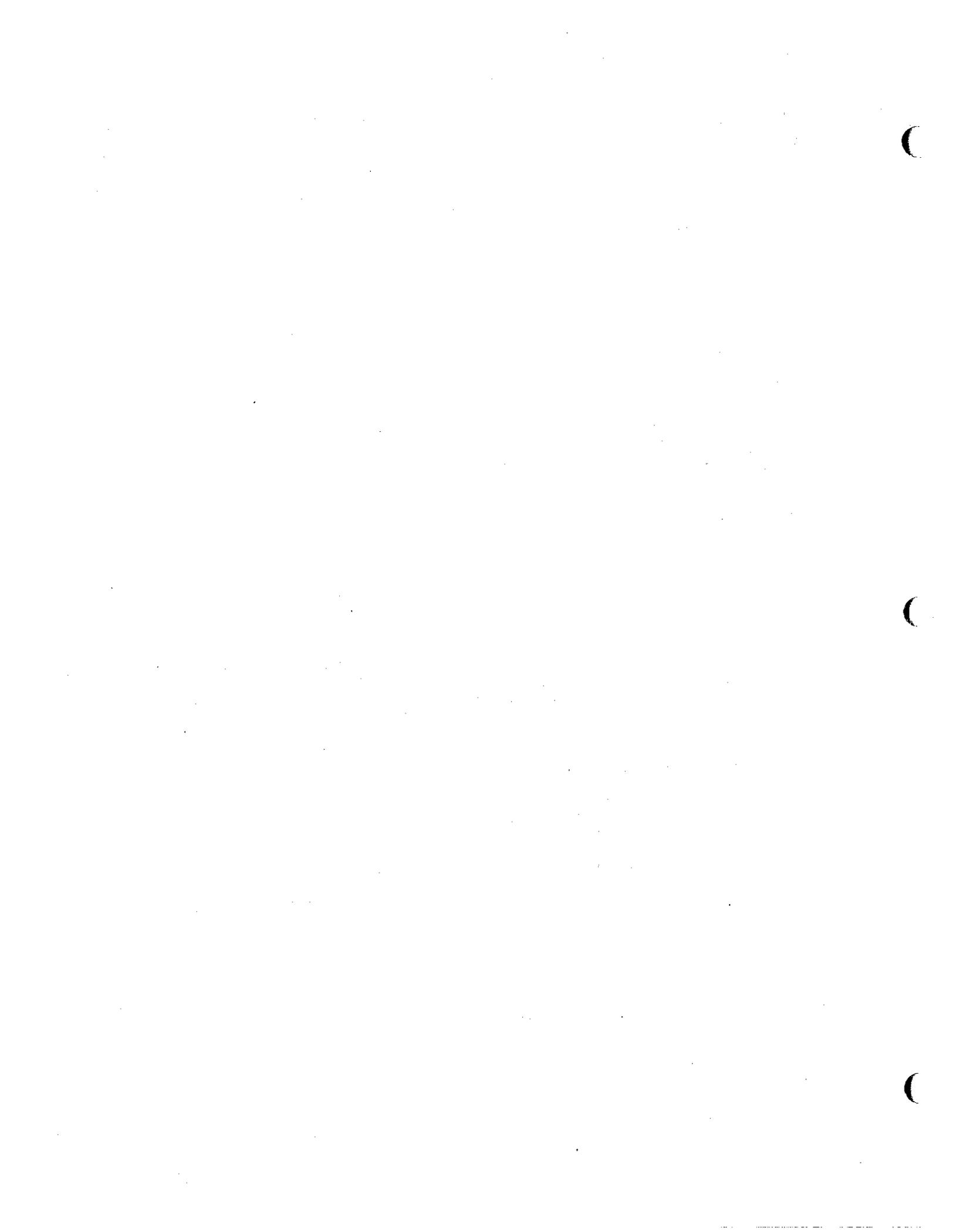
AIR QUALITY
(307) 332-6755
FAX 332-7726

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

SOLID & HAZARDOUS WASTE
(307) 332-6924
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WATER QUALITY
(307) 332-3144
FAX 332-7726







Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 6, 2013

Town of Saratoga
Attn. John Zeiger, Mayor
P.O. Box 486
Saratoga, Wyoming 82331

RE: West Hill Sewer improvement Project
Application No. 13-085, Carbon County

Dear Mr. Zeiger:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Sewage Collection Systems** consisting of replacing existing 45 degree drops with sanitary sewer drop manholes located in the Southwest ¼, **Section 11, T17N, R84W, Carbon County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, in accordance with the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

1. The project shall maintain compliance with sanitary sewers increasing in diameter in the downstream direction of flow, Chapter 11 Section 9 (c)(i)(E) of the Water Quality Rules and Regulations.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by March 6, 2018.



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. **13-085** in any future correspondence.

If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,

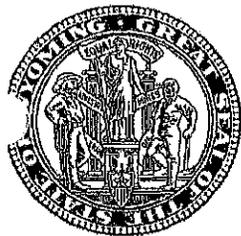


Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division

SWT/rm/13-0204

Enclosures: Certificate of Completion form

cc: IPS
Charles Bartlett, Town of Saratoga, P.O. Box 486, Saratoga, Wyoming 82331



Department of Environmental Quality

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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 6, 2013

Valero Retail Holdings Inc.

Attn: Kent Swanson, Environmental Specialist
5590-B Havana Street
Denver, CO 80239

RE: Diamond Shamrock Store #4545,
Application No. 13-086, Laramie County

Dear Mr. Swanson:

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** consisting of installing a sump pump in accordance with meeting the chamber drainage requirement of Section 14 located in the **Northeast ¼ of the Northeast ¼, Sections 14, T13N, R67W, Laramie County**, in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, in accordance with the general permit, the conditions listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in **Part V, Section O** of the general permit. Additionally, the following project specific conditions also apply:

1. The sump pump must be installed to ensure all chamber drainage directs to a low area, and the float of the sump pump remains in the "ON" position as the water drains below the normal working area of the chamber.

All construction, installation, or modification allowed by this Notification of Coverage shall be completed by March 6, 2018.

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	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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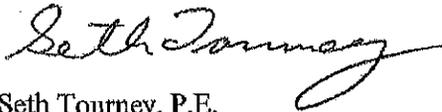
This Notice of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage. The General permits can be viewed at the following path:

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

Please reference Application No. **13-086** in any future correspondence.

If you have any questions, please contact me at either seth.tourney@wyo.gov or by phone at (307) 777-7088.

Sincerely,



Seth Tourney, P.E.
Southeast District Engineer
Water Quality Division

SWT/rm/13-0206

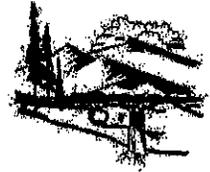
Enclosures: Certificate of Completion form

cc: IPS
Mario DiPasquale, JDS-Hydro Consultants, 545 East Pikes Peak Avenue Ste. 300, Colorado Springs,
CO 80903



Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

April 23, 2013

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

RE: City of Casper Zone II/III Water Improvements Project
Application No. 13-087, Natrona County

Dear Mr. Beamer:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems consisting of the construction of 8 inch, 12 inch, and 16 inch water lines located in **Section 20, Township 33N, Range 79W**, Natrona 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 facility in accordance with **Chapter 12** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2015.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

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

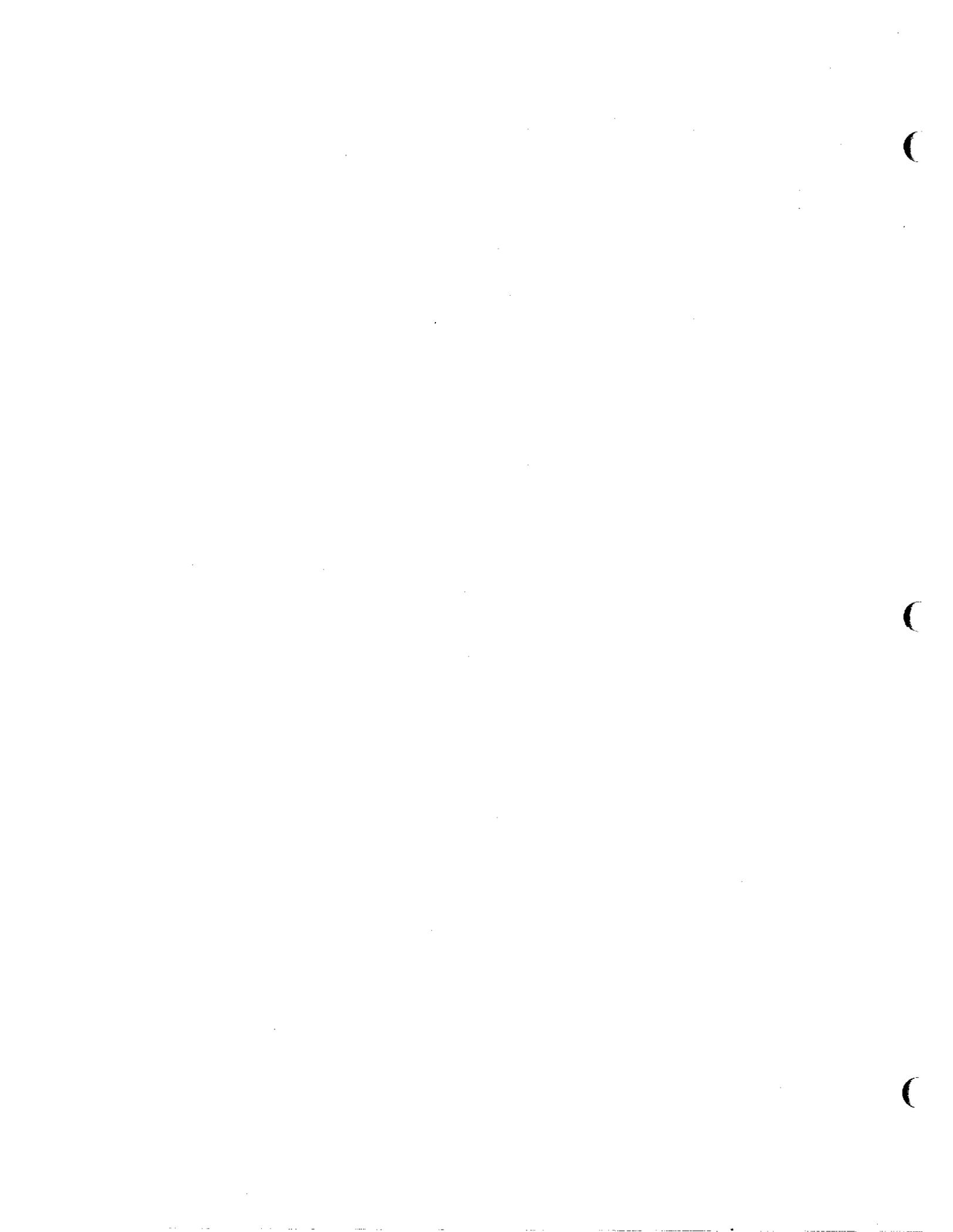
If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Nicholas Larsen, P.E., CEPI, Inc., 6080 Enterprise Drive, Casper, WY 82609







Department of Environmental Quality

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environment for the benefit of current and future generations.*



Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

Todd Parfitt, Director

March 28, 2013

Nicholas Larsen, P.E.
Civil Engineering Professionals, Inc.
6080 Enterprise Drive
Casper, WY 82609

RE: City of Casper Zone II/III Water Improvements Project, Natrona County, WY
WDEQ Application #13-087

Dear Mr. Larsen:

We have completed our review of the permit application submitted on January 13, 2013. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact either Karen Farley at (307) 473-3478 or Jason Vreeland at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

Jason Vreeland, P.E.
Assistant Northeast District Engineer
WDEQ/WQD

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

Attachments: WDEQ Comments

cc: IPS
WDEQ File





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

PROJECT: City of Casper Zone II/III Water Improvements Project

LOCATION: Casper, Wyoming

ENGINEER: Civil Engineering Professionals, Inc.

APPLICANT: City of Casper

WATER QUALITY DIVISION APPLICATION NUMBER: 13-087

DATE ON PROPOSAL/PLANS/REPORT: March 1, 2013

DATE RECEIVED BY DEQ: March 1, 2013

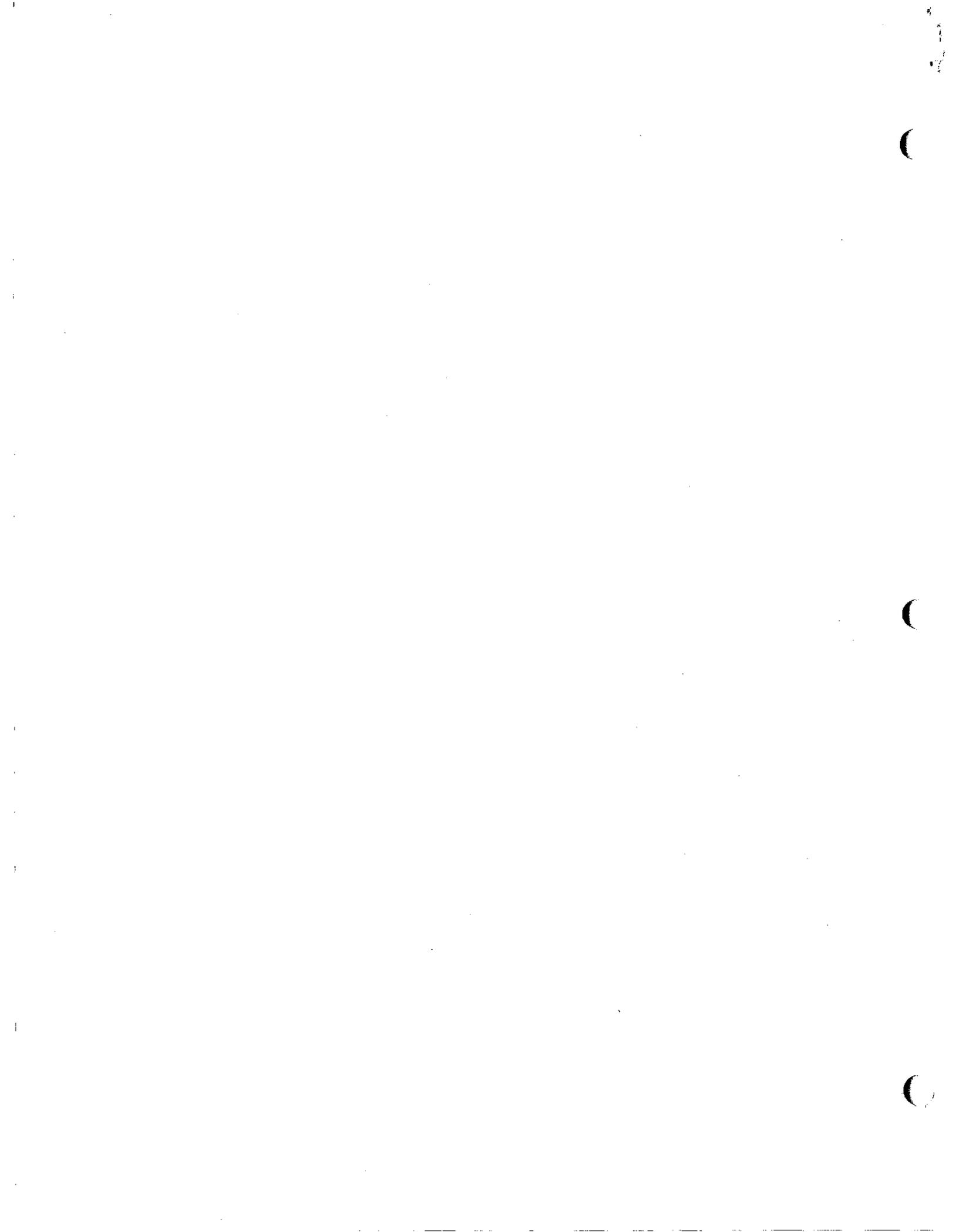
DATE OF THIS REVIEW: March 28, 2013

WDEQ REVIEWER: Karen Farley, P.E., Jason Vreeland, P.E.

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

WDEQ COMMENTS

- 1) Chapter 12, Section 14(i) – Please provide the letter confirming the status of backflow prevention on services within the project area as noted in the design report.
- 2) Chapter 12, Section 14(f)(v) – Will the storm sewer crossing on Sheet 15 be insulated as shown on Sheet 21?
- 3) Sheet 21 notes the existing pipe is a 12 inch cast iron pipe on the plan view. The plan view also notes to connect to the existing 12 inch PVC main. Please address.
- 4) The design report indicates that while Sunrise I Tank is out of service the Mountain Road booster station will supply zone III. How long will the Sunrise Tank be out of service and is this booster station provided with backup power?



WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
ROAD APPLICATION PERMIT

New
 Renewal
 Modified

PERMIT NO. 13-088
SPECIAL CONDITIONS
REF/PERMIT

KWS Empire Ranch Road

This permit hereby authorizes the applicant:

Kissack Water and Oil Service, Inc.
P.O. Box 9
Rozet, WY 82727

to road apply waste crude oil sludge according to the procedures and conditions of application number 13-088. The application site is located in Sections 22, 27, 34, and 35, Township 51 North, Range 68 West and Sections 9, 10, 14, 15, and 23, Township 50, Range 68 West in the county of Crook, in the State of Wyoming. The application site is located approximately five to seven miles northwest of Moorcroft, Wyoming. This permit shall be effective until November 1, 2013.

The issuance of this permit confirms that the Department of Environmental Quality (DEQ) has evaluated the application submitted by the permittee and determined that it meets minimum applicable standards. Compliance with DEQ standards is the responsibility of the permittee, owner, and/or operator.

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

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

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

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

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

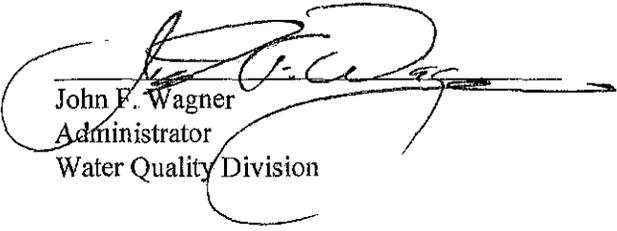
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

1 of 8 The permittee shall notify representatives from the DEQ/WQD of the anticipated project commencement and completion dates with the attached post card. At least 48 hours advance notice is required. The authorized

representative in your area can be contacted at the following address: DEQ/WQD, Casper WDEQ Field Office, 152 North Durbin Street, Suite 100, Casper, WY 82604, telephone (307) 473-3452; FAX (307) 473-3458.

- 2 of 8 The permittee shall provide immediate oral and/or written notice to the Casper WDEQ Field Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications to the approved permit package.
- 3 of 8 The permittee shall provide certification that the project was completed in accordance with the terms and conditions of the permit within sixty (60) days of the project completion to the Casper WDEQ Field Office on the attached Certification of Completion form.
- a. Date that the road application was completed; and
 - b. Certification the road application was done in accordance with the terms and conditions of the permit; or
 - c. Certification the road application was completed with changes or modifications. Submit the information necessary to clearly indicate the road application as actually performed. This information shall include a contour map depicting only those sections of road that actually received waste crude oil sludge.
- 4 of 8 The review and approval of this permit is based upon the items identified in the attached Statement of Basis.
- 5 of 8 The waste crude oil sludge shall be applied uniformly and incorporated into the road bed. The waste crude oil sludge shall not be applied during the period from November 1 to April 10.
- 6 of 8 The application site slope shall not exceed eight percent (8%) for vehicular application.
- 7 of 8 Application of waste crude oil sludge shall be terminated within 300 feet of the definable high water mark of perennial and intermittent drainages, irrigation canals, lakes and reservoirs.
- 8 of 8 Only the roads designated in this permit are authorized for application of the waste crude oil sludge. Additional or alternate sections of road meeting the requirements of the application and this permit may be utilized if a written description and maps are received and approved by the WQD.

AUTHORIZED BY:


John F. Wagner
Administrator
Water Quality Division


Todd Parfitt
Director
Department of Environmental Quality

3-8-13
Date of Issuance

KJM/rm/13-0200

STATEMENT OF BASIS

I. General information.

A. Permit Number: 13-088

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

A. Chapter XI. No

B. Chapter XII. No

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

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

No

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

No

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

No

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

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

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

B. Briefly state the basis for the deviation.

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

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

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

District Policy 10.2 (10/17/86)

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III¹. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

NA

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

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

The opportunity for direct or indirect discharge, percolation, or filtration to groundwater is minimized by uniformly applying the pit sludge and petroleum contaminated soils onto the roadbed. Repeated applications of pit sludge and petroleum contaminated soils on the same sections of road will be monitored by roadbed analyses.

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

NA

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

NA

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

NA

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

NA

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

NA

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

NA

- VII. Documentation of Statement of Basis.

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

¹Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 15.

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Kim Medina, Geologic Project Analyst, and completed on March 5, 2013. 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."

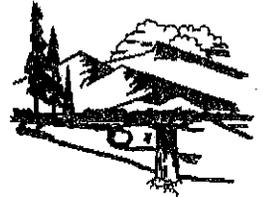
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Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

October 2, 2013

Daniel Kennedy, P.E.
JFC Engineers & Surveyors
1515 Ninth Street, Suite A
Rock Springs, WY 82901

RE: Town of Superior - Sewage Lagoon Effluent Land Application

Dear Mr. Kennedy:

Our Records indicate that a written review was sent on March 27, 2013 for the following project. A copy of this review, was sent to you, requesting additional information. The requested, information, necessary to process this application has not yet been received by the Department of Environmental Quality. The specific information for the proposed project is as follows:

Facility Name: Town of Superior - Sewage Lagoon Effluent Land Application
DEQ/WQD Reference Number: #13-089
DEQ/WQD Approving Engineer: Mark Baron, P.E.
Date of DEQ/WQD Review: March 27, 2013

The construction, installation, or modification of any sewerage system, treatment works, disposal system including septic systems, or other facility capable of causing or contributing to pollution, or public water supply system including water mains, water wells, water services greater than 2-inch in diameter or other facilities without a Permit to Construct, is a violation of Wyoming State Statute 35-11-301.

If you have any questions regarding my review comments or this letter, please contact me at 307-335-6962.

Sincerely,

Mark Baron, P.E.
Southwest District Engineer
Water Quality Division
Enclosure: Permit Application Package 13-089

xc: Sarah A. Page, Town of Superior, P.O. Box 40, Superior, WY 82945

PDF: IPS
file (2)

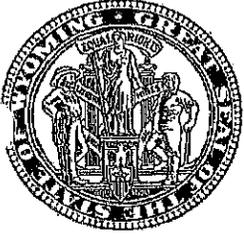
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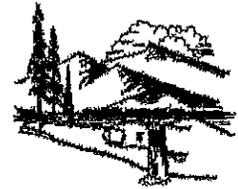
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Matthew H. Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 22, 2013

Prairie View, LLC
c/o J.B. Schaefer
1155 Granipo Drive
Laramie, Wyoming 82072

RE: Silver Sage Estates, 2nd Addition – Water & Sewer Extensions
Application No. **13-090, Albany County**

Dear Mr. Schaefer:

The above application for coverage under **General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of an Existing Public Water Supply Distribution System** consisting of approximately 1680 feet of 8" PVC water main, 11 gate valves, and 2 new fire hydrants, and Existing **Sewage Collection System** consisting of approximately 1544 feet of 8" sanitary sewer main, and 7 new manholes, located in the **NE ¼ SE ¼ of Section 3, T15N, R73W, Albany County** in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with **Chapter 11, Section 9** of the Water Quality Division Rules and Regulations, the water distribution system in accordance with **Chapter 12, Section 14** of the Water Quality Division Rules and Regulations, and both systems 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. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **March 22, 2015**.

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

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	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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Please reference Application No. **13-090** in any future correspondence.

If you have any questions, please contact me at either ron.ewald@wyo.gov or by phone at (307) 777-6183.

Sincerely,



Ronald L. Ewald
Assistant Southeast District Engineer
Water Quality Division

RLE/rm/13-0279

Enclosures: Certificate of Completion form

cc: IPS, Cheyenne
Cal VanZee, City of Laramie Utility Division Manager, P.O. Box C, Laramie,
Wyoming 82073
James W. Johnson, Johnson Engineering Assoc., 110 Superior Ct., Laramie,
Wyoming 82072



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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 27, 2013

Susan Dynarski
1101 Prairie Lane
Bar Nunn, WY 82601

RE: Dynarski KOA Sewer Improvements
Application No. 13-091, Natrona County

Dear Ms. Dynarski:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Sewage Collection Systems, consisting of 12 recreational vehicle wastewater connections and associated sanitary sewer line located in **Section 17, Township 34N, Range 79W**, Natrona 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 facility in accordance with **Chapter 11** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2014.

This Notification of Coverage is covered under the General Permits on the Wyoming Department of Environmental Quality webpage:

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

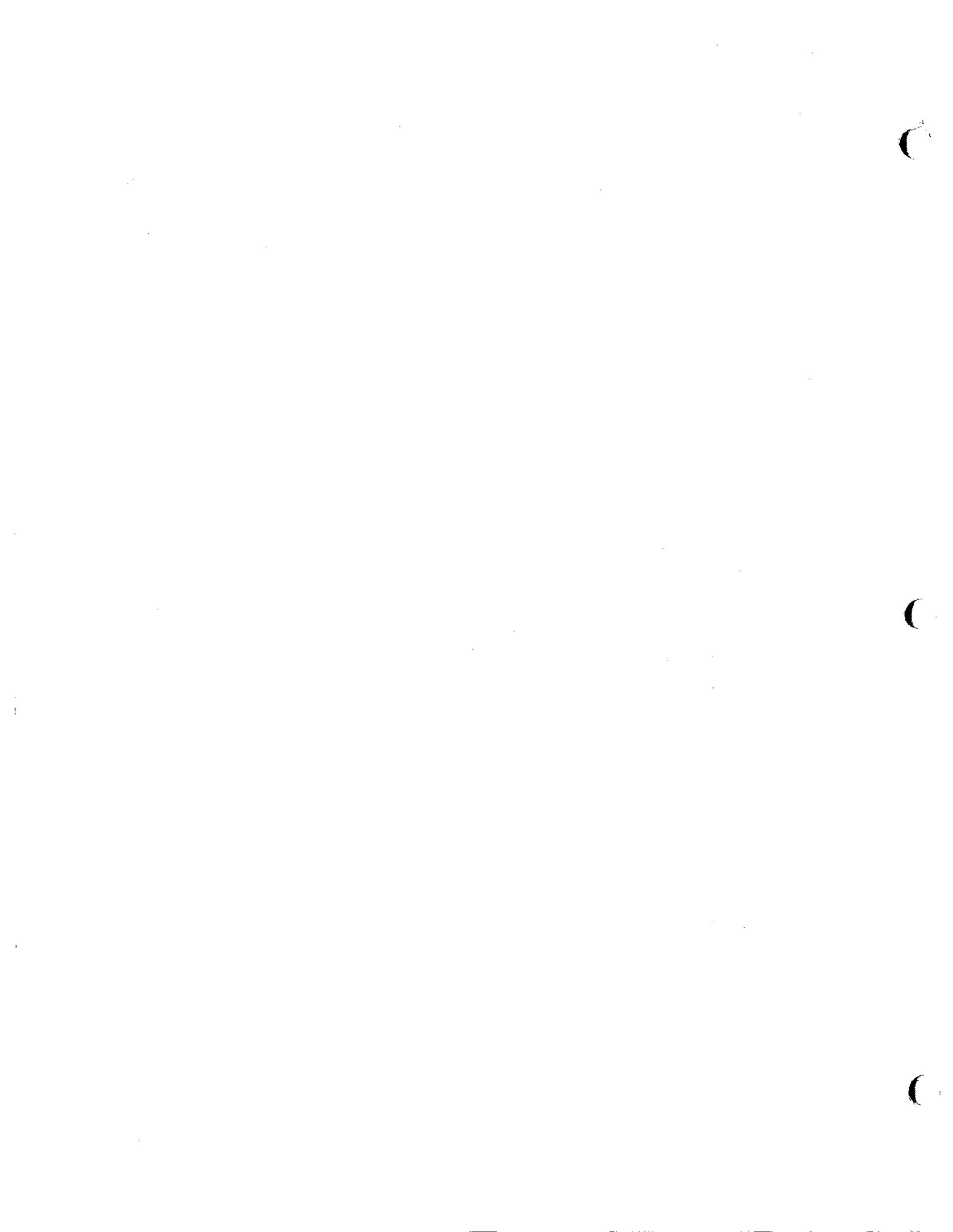
If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Matt Williams, P.E., WLC, Inc., 200 Pronghorn Street, Casper, WY 82601





WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-092

Rock Springs Wastewater Treatment Plant Modifications Phase 2

This permit hereby authorizes the applicant:

Vess Walker, Director of Public Works
City of Rock Springs
212 D St.
Rock Springs, WY 82901

to modify the yard piping, install a gravity belt thickener, repair the cake storage pad, modify the digester process, and modify the odor control system according to the procedures and conditions of the application number 13-092. Due to the design-build strategy for completing this project, it is understood that certain aspects of this modification may change after this permit is issued. DEQ shall be provided with documentation of changes prior to installation as described in the "Permit Conditions" section below. This project is located at latitude 41.67°, longitude 109.2748° in the county of Sweetwater in the state of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by December 31, 2016.

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 This Permit to Construct has been issued prior to receiving 100% complete design. Based upon design discussions with the engineer, DEQ is confident that the engineer is capable of providing a suitable design which will meet the criteria set forth in the Chapter 11 water quality rules and regulations. The applicant shall provide DEQ with completed, stamped design drawings (design packages) and relevant documentation (in triplicate with one original) as they become available, and DEQ approval of said documents will be required prior to construction of any phase of this project. A new permit application will not be required; however, all new documentation submitted shall reference this permit number (13-092). DEQ reserves the right to revoke this permit at DEQs discretion in the event that construction begins without prior approval. Approval shall be provided to the applicant in writing.

Completed designs for phases of the project shall be submitted to to the Wyoming Department of Environmental Quality, Water Quality Division (WQD), Southwest District Engineer, 510 Meadowview Dr., Lander, WY 82520, 307-332-3144, FAX 307-332-3183.

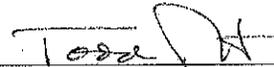
2 of 3 Within sixty days of final completion of all phases of construction of the authorized facility, the applicant will submit to the Southwest District a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided and must be completely filled out.

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

AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

5-20-13

Date of Issuance

HES/rm/13-0454

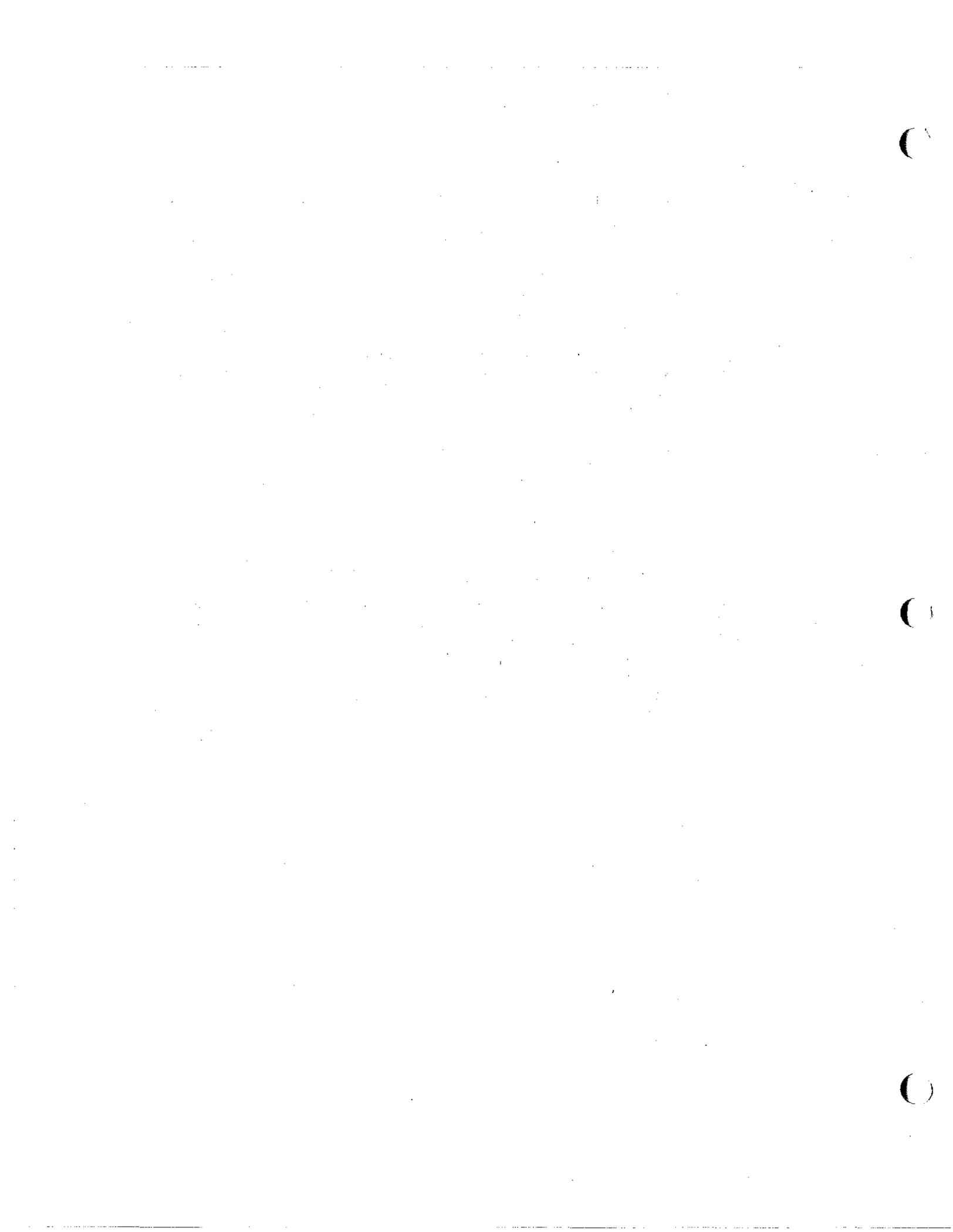
STATEMENT OF BASIS

1. Permit Number: 13-092
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
4. The design for this facility is not 100% complete at the time of the issuing of this permit to construct. The engineer has provided us with sufficient evidence that a proper design will be complete and in compliance with chapters 3 and 11 prior to construction. This permit is issued as part of the design-build process, which is a cooperative effort between the applicant, the applicant's contracted engineer, and DEQ. Utilizing this design method will allow the city of Rock Springs to complete its odor control modifications on a rapid schedule so that the treatment can be brought into full compliance with all sections of DEQs regulations. As described in the permit to construct above, DEQ has oversight, and shall review all completed design phases prior to construction.
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 except as noted above. This review was performed by Hannes E. Stueckler P.E., hannes.stueckler@wyo.gov, Assistant Northwest District Engineer and completed on May 7, 2013. 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: Kevin Rood, P.E., CDM Smtih, Inc., 345 Riverview St., Suite 520, Wichita, KS 67203





Department of Environmental Quality



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Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

March 21, 2013

Rob Phipps
Town of Wamsutter
P.O. Box 6
Wamsutter, WY 82336

RE: Wamsutter -2013 Water & Street Improvement Project - Permit Number 13-093, Section 34,T20N, R94W,Sweetwater County

Dear Mr. Phipps:

The above application for coverage under **General Permit to Construct** for the extension of a **Public Water Supply System** consisting of about 2143 linear feet (LF) of 8-inch PVC water main in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

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

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

Sincerely,

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

PDF to Cheyenne
Dan Ferrin, P.E., PMPC Engineering, P.O. Box 370, Saratoga, WY 82331

Page 1 of 1







Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

July 10, 2013

Michael Cole, P.E.
City of Gillette, Utilities Department
611 North Exchange Avenue
Gillette, WY 82716

RE: Gillette Madison Pipeline Project, Contracts 4C, 4D, and 4F
Application No. 13-094, Campbell County

Dear Mr. Cole:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems consisting of the construction of 22.1 miles of 42 inch waterline with appurtenances located in **Section 27, Township 50N, Range 71W**, Campbell 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 facility in accordance with **Chapter 12** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by **December 31, 2016**.

This Notification of Coverage is covered under the General Permits on 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. Blowoff weep holes or drains are not allowed when groundwater levels are above the drain area.
2. A copy of the O & M manual must be submitted to the WDEQ Northeast District Engineer upon completion of the final project.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Katherine Henske, P.E., Burns & McDonnell, 9785 Maroon Circle, Suite 400, Centennial, CO 80112

Cheyenne
122 West 25th Street 82002
(307) 777-7937

Lander
510 Meadowview Drive 82520
(307) 332-3144

Sheridan
2100 W. 5th Street 82801
(307) 673-9337



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Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 · Casper, WY 82601 · (307) 473-3450

John Corra, Director

May 24, 2013

Kate Henske, P.E.
Burns & McDonnell
9785 Maroon Circle, Suite 400
Centennial, CO 80112

RE: Gillette Madison Pipeline Project, Contracts 4C, 4D, and 4F
Location: Section 27, Township 50N, Range 71W, Campbell County
WDEQ Application #13-094

Dear Ms. Henske:

We have completed our review of the permit application submitted on March 14, 2013. Attached you will find a summary of the review comments. Please provide the information requested as soon as possible. Please feel free to contact me at (307) 473-3469 should you have any questions related to these comments or the application and review process.

Sincerely,

Jason Vreeland, P.E.
Assistant Northeast District Engineer
WDEQ/WQD

Attachments: WDEQ Comments

cc: IPS
WDEQ File
Mike Cole, P.E., City of Gillette Utilities Department, 611 N. Exchange Avenue, Gillette, WY 82716



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

PROJECT: Gillette Madison Pipeline Project, 4C, 4D, and 4F
LOCATION: Campbell and Crook County, Wyoming
ENGINEER: Burns and McDonnell
APPLICANT: City of Gillette

WATER QUALITY DIVISION APPLICATION NUMBER: 13-094

DATE ON PROPOSAL/PLANS/REPORT: March 14, 2013, April 18, 2013

DATE RECEIVED BY DEQ: March 14, April 18, 2013

DATE OF THIS REVIEW: May 24, 2013

WDEQ REVIEWER: Jason Vreeland, P.E.

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

WDEQ COMMENTS

- 1) Chapter 12, Section 14(e) – The design report indicates the valve spacing requirement does not apply to this project. This project is considered in other districts and valve spacing does apply. A variance may be requested but it must be accompanied by adequate justification. Typically a variance is not granted for valve spacing exceeding ½ mile. Please address.
- 2) Chapter 12, Section 14(e) – Blowoff valves are located at low points along the alignment. Based on the geotechnical investigation, some of the valves appear to be located in groundwater. Further, the blowoffs appear to be equipped with a weep hole for drainage. Weep holes are not allowed when groundwater levels are above the drain area. Please address.



- 3) Chapter 12, Section 14(e) – The design report indicates that valves are to be located in a water tight vault with a solid bottom. WWQRR require the vaults to drain to the surface of the ground or provided with a sump for a permanent or portable pump. Please address.
- 4) Chapter 12, Section 14(h) – The design report indicated that the City of Gillette did not require valves on either side of water crossings due to the size of the line. WWQRR require valves on each side of water crossings 15 feet and greater. Please address.
- 5) Chapters 12, Section 7(c) – Please indicate the pipe type or project approved pipe types on the plan set.
- 6) Please explain the use of joint restraints at the various locations throughout the project.
- 7) Chapter 12, Section 14(e) – Sheet WA-5 shows a high point near station 628+90. A butterfly valve is shown at this location but not an air relief valve. Please address.
- 8) Chapter 12, Section 14(e) – Sheet WA-8 shows a high point near station 670+90. A butterfly valve is shown at this location but an air relief valve. Please address.
- 9) Chapter 12, Section 14(e) – Sheet WA-55 shows a high point near station 1259+20. A butterfly valve is shown at this location but not an air relief valve. Please address.
- 10) Chapter 12, Section 14(e) – Sheet WA-59 shows a high point near station 1305+80. A butterfly valve is shown at this location but not an air relief valve. Please address.
- 11) Chapter 12, Section 14(e) – Sheet WA-77 shows a high point near station 1526+10. A butterfly valve is shown at this location but not an air relief valve. Please address.
- 12) Chapter 12, Section 14(e) – Sheet WA-80 shows a high point near station 1568+95. A butterfly valve is shown at this location but not an air relief valve. Please address.
- 13) Chapter 12, Section 14(g) – The culvert at station 1630+50 on Sheet WA-85 appears to be less than 18 inches above the waterline. Please address.





Department of Environmental Quality

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Matthew H. Mead, Governor

152 N. Durbin St., Suite 100 • Casper, WY 82601 • (307) 473-3450

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

June 11, 2013

Richard Claycomb
Weston County Development Board
P.O. Box 255
Upton, WY 82730

RE: Upton Logistics Center Water Improvements 2013
Application No. **13-095, Weston County**

Dear Mr. Claycomb:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Water Supply Distribution Systems consisting of the construction of approximately 8,000 feet of 10 inch PVC water line located in **Section 27, Township 48N, Range 63W**, Weston 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 facility in accordance with **Chapter 12** of the Water Quality Division Rules and Regulations, the general permit, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. All construction, installation, or modification allowed by this Notification of Coverage shall be completed by December 31, 2015.

This Notification of Coverage is covered under the General Permits on 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. Construction of Sanitary Sewer facilities is not authorized by this Notification of Coverage.

If you have any questions, please contact me at 307-473-3469.

Sincerely,

Jason Vreeland, P.E.
Assistant NE District Engineer
WDEQ/WQD

cc: IPS, Cheyenne
WDEQ Casper File
Nicholas Marty, P.E. Bearlodge Engineering, P.O. Box 130, Sundance, WY 82729
Donald Sharkey, City of Upton, P.O. Box 203, Upton, WY 82730

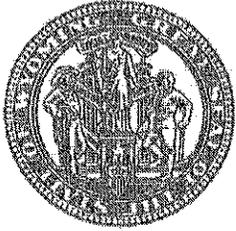
Cheyenne
122 West 25th Street 82002
(307) 777-7937

Lander
510 Meadowview Drive 82520
(307) 332-3144

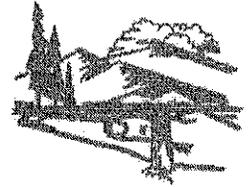
Sheridan
2100 W. 5th Street 82801
(307) 673-9337







Department of Environmental Quality



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

Matt Mead, Governor

Todd Parfitt, Director

NOTIFICATION OF COVERAGE

May 21, 2013

Robert E. King
Town of Thayne
P.O. Box 298
Thayne, WY 83127

RE: Thayne - Main Street Waterline Replacement Project - Permit Number 13-096, NW ¼ Section 23, T34N, R119W, Lincoln County

Dear Mr. King:

The above application for coverage under General Permit to Construct for the extension of a Public Water Supply System consisting of about 4,400 linear feet (LF) of 8-inch PVC water main in accordance with Chapter 3, Section 7 and Chapter 12, Section 14 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permits and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the General Permit. These General Permit requirements can be downloaded from the Wyoming Department of Environmental Quality webpage. The General Permits can be found under the Water Quality Division Water and Wastewater Program, Engineering and Technical Services at :

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

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

Sincerely,

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

PDF to Cheyenne
Robert V. Hood, P.E., Sunrise Engineering, Inc., P.O. Box 609, Afton, WY 83110

Page 1 of 1

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

ABANDONED MINES
(307) 332-6085
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





WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
PERMIT TO CONSTRUCT

PERMIT NO. 13-097

CHEYENNE BOPU CROW CREEK WRF IMPROVEMENTS

This permit hereby authorizes the applicant:

Cheyenne Board of Public Utilities
2416 Snyder Avenue
Cheyenne, WY, 82001

to construct, install or modify one grit removal basin, mechanical screens, Parshall flume, and clarifier tank repairs according to the procedures and conditions of the application number 13-097. The facility is located in SE 1/4 of Section 3, T13N R66W; Laramie County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed October 25, 2018.

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

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

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

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

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

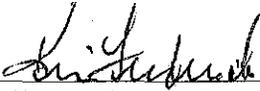
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

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

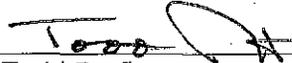
In carrying out its activities authorized by this permit, the permittee, owner and operator shall comply with all of the following permit conditions:

1. The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-7610, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
2. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided and must be completely filled out.
3. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



Kevin Frederick
Administrator
Water Quality Division



Todd Parfitt
Director
Department of Environmental Quality

Date of Issuance 10-30-13

SWT/rm/13-1037

STATEMENT OF BASIS

1. Permit Number: **13-097**
2. This application was reviewed for compliance with the applicable regulations ;

Chapters 3, 11

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

Yes

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

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

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 Seth Tourney, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on October 29, 2013. 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. 13-098

WATER SYSTEM MODIFICATION
PWS WY5600186

This permit hereby authorizes the applicant:

TOWN OF HARTVILLE
136 W. Main (P.O. Box A)
Hartville, WY, 82215

to construct, install or modify to physically isolate Town Wells No. 3 and No. 9 from the potable distribution system according to the procedures and conditions of the application number 13-098. The facility is located in SW 1/4 of Section 1, T27N R66W; Platte County, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed April 26, 2014.

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

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

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

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

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

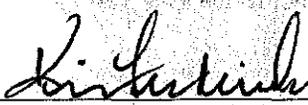
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

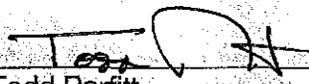
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

1. The applicant will provide immediate oral or written notice to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002, Phone 307-777-7088, FAX 307-777-7610, in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
2. Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Southeast District, Water Quality Division, Herschler Building 4 West, Cheyenne, WY, 82002 a certification of completion signed by the Engineer of Record or the owner. A form titled "Certificate of Completion" has been provided.
 - a. Date that construction of the facility was completed; and
 - b. Date that the facility was placed in operation; and
 - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
 - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate is required. All modifications or deviations from the authorized plans must be highlighted.
 - e. As a part of the certificate of completion, the Engineer must certify that all Test Wells have been plugged and abandoned as required by Chapter 11, WQD Rules and Regulations.
3. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:


Kevin Frederick
Administrator
Water Quality Division


Todd Parfitt
Director
Department of Environmental Quality

Date of Issuance 5-2-13

TP/KF/SWT/bb/13-0396

STATEMENT OF BASIS

1. Permit Number: 13-098
2. This application was reviewed for compliance with the applicable regulations ;

Chapters 3, 12

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

Yes

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

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

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Chapter 3, Section 6, Wyoming Water Quality Rules and Regulations. This review was performed by Seth Tourney, Southeast District Engineer, Water and Wastewater Section, Wyoming Department of Environmental Quality /Water Quality Division, and completed on May 1, 2013. 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."

SWT/bb/13-0396

STATE OF TEXAS

County of _____

Know all men by these presents, that _____

of the County of _____

do hereby certify that _____

is the true and correct copy of _____

as the same appears from the _____

records of the _____

In testimony whereof, I have hereunto set my hand and the seal of the _____

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

CLASS V INJECTION WELL

- () New
() Modified
(X) Renewal

Permit Number: **13-099**
Facility Number: WYS-019-00263
State Subclass: 5E3
Previous Permit: 5E3-98-1

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: H. F. Bar Ranch
1301 Rock Creek Road
Saddlestring, WY 82840
(307) 684-2487

H. F. Bar Ranch, hereafter referred to as the permittee, is authorized to continue operating the septic systems located in Sections 19 and 30, Township 52 North, Range 83 West, and Section 24, Township 52 North, Range 84 West, Johnson County. The permittee is allowed to operate the facility according to the procedures, conditions of application 13-099, including the conditions and requirements of this permit. This permit shall become effective on date of issuance and is valid for ten (10) years.



Kevin Frederick, Administrator
Water Quality Division
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

Oct. 14, 2013

Date



Todd Parfitt, Director
Department of Environmental Quality
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

10/14/13

Date

KS/rm/13-0991

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A. Discharge Zone

The injection facility (sanitary leachfields) is authorized to inject an average of 7,150 gallons per day, and a maximum of 26,000 gallons per day combined total from two (2) sanitary leachfields servicing twenty-nine (29) guest cabins and two (2) employee housing buildings. This facility is a seasonal dude ranch, with a peak season of June-August, and a "shoulder" season of May and September. During the remainder of the year, only the two (2) employee housing units are occupied, one (1) full-time, and one (1) part-time. The majority of wastewater is discharged into two (2) gravity leach fields (septic systems). The primary treated wastewater is injected into the sand and gravel unconfined alluvial aquifer adjacent to North Rock Creek. Depth to groundwater in the vicinity of the leach field is greater than seven (7) feet.

B. Well and Area of Review

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

Sections 19 and 30, Township 52 North, Range 83 West, and Sections 24, Township 52 North, Range 84 West, of the 6th Principal Meridian, Johnson County.

The Area of Review is defined as a circular area of 360 acres with the injection facility located near its center. The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10	Years
Porosity	30	Percent
Maximum Injection Rate	26,000	GPD
Thickness of Receiver	10	Feet
Area of Review	360	Acres
Hydraulic Conductivity	10	Feet/Day

C. Groundwater Classification

The groundwater in the unconfined alluvial aquifer beneath the permittee's property is classified as Class I according to Wyoming Water Quality Rules and Regulations, Chapter 8. This classification is made because the groundwater in this formation is assumed to be Class I by quality. Ground water is a major contributor to surface flows in nearby North Rock Creek, which is currently being utilized as the water source for this facility. There are no wells permitted by the Wyoming State Engineer's Office located within one mile of this facility.

Ground water of Class I is suitable for domestic use and shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

The operator is authorized to inject at a pressure of no more than atmospheric pressure as measured at the leachfields. This pressure is controlled by gravity drainage and is not required to be monitored. This does not preclude the operation of dosing pumps. The permittee is authorized to inject an average of 7,150 gallons per day and a maximum of 26,000 gallons per day. The

wastewater is produced from twenty-nine (29) guest cabins and two (2) employee housing units. The wastewater is injected into the unconfined alluvial aquifer adjacent to North Rock Creek. The wastewater is described as primary treated domestic sewage from two (2) septic systems.

If additional sewage flows are added beyond those identified in the permit application, the permittee must submit a revised application and receive a new permit prior to addition/modification of the leach field(s) or treatment system(s).

E. Hazardous Waste

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

F. Proper Operation and Maintenance

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes: effective performance, adequate funding, operator staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit. The injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapters 11, 16, and 25.

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

G. Entry and Inspection

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

H. Environmental Monitoring Program for Waters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. A groundwater sample is considered representative of the aquifer being

monitored when the well has been purged to remove stagnant water prior to collection of a sample for laboratory analysis. Purging can be considered complete when a sufficient volume of water has been removed from the well and stabilization of select groundwater parameters has been achieved. It is important to record the circumstances surrounding each sample collection event at your facility. These records can help resolve analytical discrepancies. Both purging methods below shall be used prior to sample collection:

a. Purge by Volume Method

Removal of a *minimum* of three casing volumes of water from the well should be completed prior to collecting a groundwater sample. Minimum purge volume can be calculated by the following equation:

$$\text{Minimum Purge Volume} = 3 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163	6 inch well = 1.47
4 inch well = 0.653	8 inch well = 2.61

b. Stabilization of Parameters Method

Purging of groundwater until select field parameters have stabilized can be used to demonstrate that a representative sample was collected. Field parameters measured during purging should include at a minimum temperature, pH, and specific conductance. Field parameters should be measured after removal of every half casing volume of water.

$$\text{Half Casing Volume} = 0.5 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163	6 inch well = 1.47
4 inch well = 0.653	8 inch well = 2.61

A minimum of six (6) parameter measurements should be collected. If field parameters have not stabilized between the last three readings, purging and parameter measurement should continue until stabilization has been achieved. Stabilization can be demonstrated by a variance of no more than +/- 10% for temperature and specific conductance, and +/- 0.2 standard units for pH.

2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.
4. Records of monitoring information shall include:

- a. The date, exact place, and time of sampling or measurements;
 - b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The time(s) analyses were initiated;
 - e. The initials or name(s) of the individual(s) who performed the analyses;
 - f. References and written procedures for the analytical techniques or methods used;
 - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
 6. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
 7. The permittee shall report any noncompliance which may endanger health or the environment within twenty-four (24) hours from the time the operator becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;
 - c. A written submission shall be provided within five (5) days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
 8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.
 9. The monitoring reports shall be submitted on forms provided by the Department. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than forty-five (45) days following each schedule date.
 10. At least one (1) monitor well (referred to as Monitor Well #1 in **Table 2**) is required to be installed at this facility within six (6) months of authorization of this permit. The permittee must obtain approval regarding the design and siting of the monitor well prior to installation. The new monitor well shall be constructed down-gradient of the existing leachfields, and

drilled until the alluvial aquifer is encountered. The monitor well shall be completed in the unconfined alluvial aquifer adjacent to North Rock Creek.

11. Once installed, the permittee will sample the new monitor well as outlined in **Table 2**.

I. Requirements for Monitoring Waters of the State

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

Table 2 (Annual Groundwater Monitoring Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED ¹	EPA METHOD	STANDARD METHOD	PERMIT LIMIT or UCL	HOLD TIME & TEMPERATURE
Monitor Well #1	Semi-Annually (January-June and July-December)	Ammonia as N (mg/L)	350.1	SM 4500-NH3	0.50	28 days / 4° C
		Nitrate-Nitrite as N (mg/L)	300.0; 353.1; 353.2; or 353.3	4500-NO3 or 4110	10	28 days / 4° C
		Chloride (mg/L)	300.0; 300.1; or 353.2	4110 B, 4140 B, or 4500-Cl	250	28 days / no specified temperature
		pH (standard units; s.u.)	150.1 or 150.2	4500-H+B	6.5-8.5	measure in the field at time of sample collection.
		Static Water Level (ft)	Steel tape			N/A
Septic Tanks ²	Monthly	Total volume (gpd)	Flow meter reading		26,000	N/A
	Annually	Sludge depth in tank (ft)	Visual		2	N/A

NOTES:

¹ All applicable chemical concentrations in this permit are expressed as total (not dissolved) in mg/L unless otherwise noted.

² The septic tanks serving the H. F. Bar Ranch are to be inspected, at a minimum, annually and must be pumped as necessary based on sludge depth at bottom of the septic tanks, and at least once every five years. A copy of the invoice for pumping the tanks is to be included with the annual report. Sludge depth is not to exceed 24 inches in the septic tanks.

All annual reports are to be reported within forty-five (45) days of the last day of each year (February 15th).

The upper control limits (UCL) in **Table 2** cannot be exceeded in any sample. Exceedance of these values is a violation of this permit and shall require notification under **Section K** of this permit. If the UCL is exceeded in a sample, additional monitoring wells may be required to determine whether groundwater has been impacted and to delineate the nature and extent of any contamination resulting from operation of the permitted facility.

J. Test Procedures

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

K. Records and Reports

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

L. Permit Actions

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

It shall not be a defense for the permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. The filing of a request by the permittee, or at the instigation of the Administrator, for

permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

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

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

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

M. Abandonment

General Requirements:

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

N. Duties of the Permittee

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

If any cultural materials are discovered during construction, work in the area should halt immediately. The Administrator and the Wyoming State Historic Preservation Office shall be

contacted (777-7697) and the materials shall be evaluated by an archaeologist or historian meeting the Secretary of the Interior's Professional Qualification Standards (48 FR 22716, Sept. 1983).

O. Signatories Requirement

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

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

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

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

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

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

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

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

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

P. Noncompliance

The permittee shall comply with all conditions of the permit. Any permit noncompliance constitutes a violation of Wyoming Water Quality Rules and Regulations, Chapter 16 and is grounds for enforcement action, permit termination, revocation, or modification. 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.

-End of Permit-



Department of Environmental Quality

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



Matthew H. Mead, Governor

Todd Parfitt, Director

October 10, 2013

Ms. Margaret M. Schroth
H. F. Bar Ranch
1301 Rock Creek Road
Saddlestring, WY 82840

RE: H. F. Bar Ranch, WYS-019-00263
Final Permit 13-099, Class V Septic System Permit Renewal
Johnson County, Wyoming

Dear Ms. Schroth:

Attached please find one copy of the Class V septic system permit for the facility referenced above. This permit requires annual inspection and periodic pumping of the septic tanks. It also requires semiannual sampling of the monitoring and public water supply well, and annual reporting of these results to the UIC Program. The corresponding report forms can be filled out using our on-line webform (Monitor Reports Link), or you may have the lab submit them using Electronic Data Deliverable (EDD) at the following site: <http://gem.wqd.apps.deq.wyoming.gov/default.aspx>. For your convenience, the Wyoming Department of Environmental Quality (WDEQ) has printed one copy of the inspection forms and enclosed them in this mailing, you may use the paper forms to report your inspection and monitoring activities to WDEQ. Please use the exact well names used in your permit when reporting data to avoid any miscommunications.

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

If you have any questions please do not hesitate to contact me at the below referenced phone number or email.

Sincerely,

Kathy Shreve
Environmental Program Principal
Wyoming Department of Environmental Quality
Water Quality Division
(307) 777-6682
kathy.shreve@wyo.gov

KS/rm/13-0991

Enclosures: Permit
Monitoring Report Forms

cc: John Passehl, WDEQ





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

CLASS V INJECTION WELL

- () New
() Modified
(X) Renewal

Permit Number: 13-100
Facility Number: WYS-039-086
State Subclass: 5E3
Previous Permit: UIC 00-057

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: Snake River Canyon Ranch (SRCR Resources LC)
C/O Northwest Trust I
60 East 42nd Street, Suite 2800
New York, NY 10165
(646) 452-9973

Snake River Canyon Ranch, hereafter referred to as the permittee, is authorized to continue operating the septic systems located in the SE¼, Section 32, Township 39 North, Range 116 West, Teton County. The permittee is allowed to operate the facility according to the procedures, conditions of application 13-100, including the conditions and requirements of this permit. This permit shall become effective on date of issuance and is valid for ten (10) years.



Kevin Frederick, Administrator
Water Quality Division
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

Oct. 14, 2013
Date



Todd Parfitt, Director
Department of Environmental Quality
Herschler Building, 122 West 25th Street
Cheyenne, WY 82002

10/14/13
Date

KS/rm/13-0992

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A. Discharge Zone

The injection facility (sanitary leachfields) is authorized to inject an average of 14,100 gallons per day (calculated as sixty percent (60%) of the maximum design flow), and a maximum of 23,500 gallons per day combined flow from various residences, a restaurant, lodge, spa, and employee housing (see Table 2). The wastewater is discharged into one (1) large gravity leach field utilizing leaching chambers (septic system). The primary treated wastewater is injected into the sand and gravel alluvial aquifer adjacent to the Snake River. Depth to groundwater in the vicinity of the leach field is approximately six (6) feet.

B. Well and Area of Review

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

SE¼, Section 32, Township 39 North, Range 116 West, of the 6th Principal Meridian, Teton County.

The Area of Review is defined as a circular area of 360 acres with the injection facility located near its center. The Area of Review is based upon the following assumptions:

Table 1 (Area of Review Inputs)

Description	Inputs	Units
Permit Duration	10	Years
Porosity	20	Percent
Maximum Injection Rate	23,500	GPD
Thickness of Receiver	30-40	Feet
Area of Review	360	Acres
Hydraulic Conductivity	58 (average)	Feet/Day

C. Groundwater Classification

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

Ground water of Class I is suitable for domestic use and shall not be degraded to make it unusable as a source of water for this purpose. An aquifer that contains less than 10,000 mg/L total dissolved solids (and is not exempted) can be considered an underground source of drinking water.

D. Authorized Operations

The operator is authorized to inject at a pressure of no more than atmospheric pressure as measured at the leachfields. This pressure is controlled by gravity drainage and is not required to be monitored. This does not preclude the operation of dosing pumps. The permittee is authorized to inject an average of 14,100 gallons per day and a maximum of 23,500 gallons per day. The

wastewater is produced from various residences, a restaurant, lodge, spa, and employee housing (see **Table 2**). The wastewater is injected into the unconfined alluvial aquifer adjacent to the Snake River. The wastewater is described as primary treated domestic sewage from one (1) septic system.

Table 2 Permitted Septic System

Description	Type of Unit	Number of Units	Unit Flow	Average Discharge (GPD) calculated as 60% of Peak Discharge	Peak Discharge (GPD)
Canyon Single-Family Homes	Bedrooms	52.5	150	4,725	7,875
Lodge	Double Beds	42	80	2,016	3,360
Restaurant	Meals	200	13	1,560	2,600
Spa Rest Rooms	Customers	150	5	450	750
Office Restrooms and Kitchen	Employees	8.3	30	150	250
Employee Housing	Double Beds	7.5	80	360	600
Annex No. 1	Bedrooms	24	150	2,160	3,600
Annex No. 2.	Bedrooms	15	150	1,350	2,250
Total Estimated Discharge Flows (gpd)				12,771	21,285

If additional sewage flows are added beyond those identified in the permit application, the permittee must submit a revised application and receive a new permit prior to addition/modification of the leach field(s) or treatment system(s).

E. Hazardous Waste

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

F. Proper Operation and Maintenance

The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit. The permittee shall operate and maintain all facilities and systems of treatment and control which are installed or used by the permittee to achieve compliance with the conditions of the permit. Proper operation and maintenance includes: effective performance, adequate funding, operator staffing and training, and laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this permit. The injection wells covered by this permit shall meet all construction requirements outlined in Wyoming Water Quality Rules and Regulations, Chapters 11, 16, and 25.

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

G. Entry and Inspection

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

H. Environmental Monitoring Program for Waters of the State

General Requirements:

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. A groundwater sample is considered representative of the aquifer being monitored when the well has been purged to remove stagnant water prior to collection of a sample for laboratory analysis. Purging can be considered complete when a sufficient volume of water has been removed from the well and stabilization of select groundwater parameters has been achieved. It is important to record the circumstances surrounding each sample collection event at your facility. These records can help resolve analytical discrepancies. Both purging methods below shall be used prior to sample collection:

a. Purge by Volume Method

Removal of a *minimum* of three casing volumes of water from the well should be completed prior to collecting a groundwater sample. Minimum purge volume can be calculated by the following equation:

$$\text{Minimum Purge Volume} = 3 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163	6 inch well = 1.47
4 inch well = 0.653	8 inch well = 2.61

b. Stabilization of Parameters Method

Purging of groundwater until select field parameters have stabilized can be used to demonstrate that a representative sample was collected. Field parameters measured during purging should include at a minimum temperature, pH, and specific conductance. Field parameters should be measured after removal of every half casing volume of water.

$$\text{Half Casing Volume} = 0.5 * ((\text{Total Well Depth in feet} - \text{Depth to Water in feet}) * \text{Well Capacity})$$

Where Well Capacity (gallons per foot) is based on well diameter:

2 inch well = 0.163

6 inch well = 1.47

4 inch well = 0.653

8 inch well = 2.61

A minimum of six (6) parameter measurements should be collected. If field parameters have not stabilized between the last three readings, purging and parameter measurement should continue until stabilization has been achieved. Stabilization can be demonstrated by a variance of no more than +/- 10% for temperature and specific conductance, and +/- 0.2 standard units for pH.

2. The permittee shall retain records of all monitoring information including all calibration and maintenance records, copies of the reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least three (3) years from the date of the sample measurement, report, or application. This period may be extended by request of the Administrator at any time.
3. The permittee shall use electronic data deliverable (EDD) reporting when required by the Administrator.
4. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurements;
 - b. The initials or name(s) of the individual(s) who performed the sampling or measurements;
 - c. The date(s) analyses were performed;
 - d. The time(s) analyses were initiated;
 - e. The initials or name(s) of the individual(s) who performed the analyses;
 - f. References and written procedures for the analytical techniques or methods used;
 - g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results.
5. Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
6. The permittee shall retain all records concerning the nature and composition of injected fluids until five (5) years after completion of any specified plugging and abandonment procedures. The administrator may require the owner/operator to deliver the records to the administrator at the conclusion of the retention period.
7. The permittee shall report any noncompliance which may endanger health or the environment within twenty-four (24) hours from the time the operator becomes aware of the circumstances. The report should include:
 - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state;
 - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable ground waters of the state;

- c. A written submission shall be provided within five (5) days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
8. The permittee shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted.
9. The monitoring reports shall be submitted on forms provided by the Department. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than forty-five (45) days following each schedule date.

I. Requirements for Monitoring Waters of the State

The groundwater in the receiving formation shall be sampled and the following parameters analyzed according to the schedule identified in **Table 3**. The following parameters shall be analyzed semi-annually and reported annually:

Table 3 (Annual Groundwater Monitoring Schedule)

WELL NAME OR NUMBER	SAMPLING SCHEDULE	PARAMETER ANALYZED ¹	EPA METHOD	STANDARD METHOD	PERMIT LIMIT or UCL	HOLD TIME & TEMPERATURE
Monitor Wells WSAS-2, WSAS-3 (downgradient wells)	Quarterly January-March April-June July-September October-December	Ammonia as N (mg/L)	350.1	SM 4500-NH3	0.50	28 days / 4° C
		Nitrate-Nitrite as N (mg/L)	300.0; 353.1; 353.2; or 353.3	4500-NO3 or 4110	10	28 days / 4° C
		Chloride (mg/L)	300.0; 300.1; or 353.2	4110 B, 4140 B, or 4500-Cl	250	28 days / no specified temperature
		pH (standard units; s.u.)	150.1 or 150.2	4500-H+B	6.5-8.5	measure in the field at time of sample collection.
		Static Water Level (ft)	Steel tape			N/A
Monitor Well WSAS-1 (Upgradient well)	Quarterly January-March April-June July-September October-December	Static Water Level (ft)	Steel tape			N/A
Septic Tanks ²	Monthly	Total volume (gpd)	Flow meter reading		23,500 (maximum daily discharge)	N/A
	Annually	Sludge depth in tank (ft)	Visual		2	N/A

NOTES:

¹ All applicable chemical concentrations in this permit are expressed as total (not dissolved) in mg/L unless otherwise noted.

² The septic tanks serving the H. F. Bar Ranch are to be inspected, at a minimum, annually and must be pumped as necessary based on sludge depth at bottom of the septic tanks, and at least once every five years. A copy of the invoice for pumping the tanks is to be included with the annual report. Sludge depth is not to exceed 24 inches in the septic tanks.

All annual reports are to be reported within forty-five (45) days of the last day of each year (February 15th).

The upper control limits (UCL) in **Table 3** cannot be exceeded in any sample. Exceedance of these values is a violation of this permit and shall require notification under Section K of this permit. If the UCL is exceeded in a sample, additional monitoring wells may be required to determine whether groundwater has been impacted and to delineate the nature and extent of any contamination resulting from operation of the permitted facility.

J. Test Procedures

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

K. Records and Reports

The permittee shall furnish to the Administrator within a specified time any information which the Administrator may request relating to the operation of the facility, including copies of records required to be kept by this permit. The permittee shall retain copies of all records and reports required by this permit for a period of three (3) years following permanent well abandonment. After that time, those records shall be delivered to the Administrator for disposal or archive at his discretion. Confirmed noncompliance resulting in the migration of injected fluid into any zone outside the permitted receiver shall be reported to the Administrator within twenty-four (24) hours, and a written submission (via certified mail) shall be provided within five (5) days of the time the permittee becomes aware of the excursion. The written submission shall contain: a description of the noncompliance; the period of noncompliance, including exact dates and times, and if the noncompliance has not been controlled, the anticipated time it is expected to continue; and a list of the steps taken or planned to reduce, eliminate, and prevent the recurrence of the noncompliance. Confirmed noncompliance not already reported under this section shall be reported at the time monitoring reports are submitted. The reports shall contain the same information as required by the paragraph above. The permittee shall notify the Administrator thirty (30) days in advance of any planned alteration, conversion, or abandonment of the well covered by this permit.

L. Permit Actions

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

It shall not be a defense for the permittee in an enforcement action that it would be necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. The filing of a request by the permittee, or at the instigation of the Administrator, for

permit modification, revocation, termination, or notification of planned changes or anticipated noncompliance shall not stay any condition of this permit.

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

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

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

M. Abandonment

General Requirements:

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

N. Duties of the Permittee

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

If any cultural materials are discovered during construction, work in the area should halt immediately. The Administrator and the Wyoming State Historic Preservation Office shall be

contacted (777-7697) and the materials shall be evaluated by an archaeologist or historian meeting the Secretary of the Interior's Professional Qualification Standards (48 FR 22716, Sept. 1983).

O. Signatories Requirement

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

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

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

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

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

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

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

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

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

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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.

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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.

-End of Permit-



Department of Environmental Quality



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

Matthew H. Mead, Governor

Todd Parfitt, Director

October 10, 2013

Mr. Benjamin Gerig
Snake River Canyon Ranch (SRCR Resources LC)
C/O Northwest Trust 1
60 East 42nd Street, Suite 2800
New York, NY 10165

RE: Snake River Canyon Ranch
Final Permit **13-100**, Class V Septic System Renewal
Teton County, Wyoming

Dear Mr. Gerig:

Attached please find one copy of the Class V septic system permit for the facility referenced above. This permit requires annual inspection and periodic pumping of the septic tanks. It also requires semiannual sampling of the monitoring and public water supply well, and annual reporting of these results to the UIC Program. The corresponding report forms can be filled out using our on-line webform (Monitor Reports Link), or you may have the lab submit them using Electronic Data Deliverable (EDD) at the following site: <http://gem.wqd.apps.deq.wyoming.gov/default.aspx>. For your convenience, the Wyoming Department of Environmental Quality (WDEQ) has printed one copy of the inspection forms and enclosed them in this mailing, you may use the paper forms to report your inspection and monitoring activities to WDEQ. Please use the exact well names used in your permit when reporting data to avoid any miscommunications.

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

If you have any questions please do not hesitate to contact me at the below referenced phone number or email.

Sincerely,

Kathy Shreve
Environmental Program Principal
Wyoming Department of Environmental Quality
Water Quality Division
(307) 777-6682
kathy.shreve@wyo.gov

KS/rm/13-0992

Enclosures: Permit
Monitoring Report Forms

cc: John Passehl, WDEQ

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-7682	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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