



JIM GERINGER  
GOVERNOR



## Department of Environmental Quality

250 Lincoln Street • Lander, Wyoming 82520-2848 • Fax (307) 332-7726

ABANDONED MINES  
(307) 332-5085

AIR QUALITY  
(307) 332-6755

LAND QUALITY  
(307) 332-3047

SOLID & HAZARDOUS WASTE  
(307) 332-6924

WATER QUALITY  
(307) 332-3144

### NOTIFICATION OF COVERAGE

January 30, 2002

County of Lincoln  
Board of County Commissioners  
P.O. Box 670  
Kemmerer, WY 83101

RE: Lincoln County Fairgrounds Sewer Line Extension, Permit Number 01-451R, NE1/4 Section 25,  
T32N, R119W, Lincoln County

Dear Commissioners:

The above application for coverage under General Permit to Construct, Install, Modify or Operate an Extension to an Existing Sewage Collection System in accordance with Chapter 3, Section 7 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) 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, Subpart O of the general permit.

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

Sincerely,

Doyle Conklin  
SW District Engineering Supervisor  
Water Quality Division

cc: IPS, Cheyenne  
Town of Afton; P.O. Box 310; Afton, WY 83110

encl: General Permit for Extension of Existing Sewage Collection System  
Approved Plans/Specifications

# PERMIT TO CONSTRUCT

X New  
— Renewal

PERMIT NO. 01-452  
SPECIAL CONDITIONS

## Cheyenne BOPU 2002 Well Rehabilitation Project

This permit hereby authorizes the applicant:

Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003-1469

to construct, install or modify well heads and well houses at Bell 16, Happy Jack 3, Elkar 5, Koppes 6, Merritt 15, and Merritt 5 according to the procedures and conditions of the application number 01-452. The facility is located at various locations in the county of Laramie, in the State of Wyoming. This permit shall be effective until December 24, 2003.

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

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

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

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

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

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.

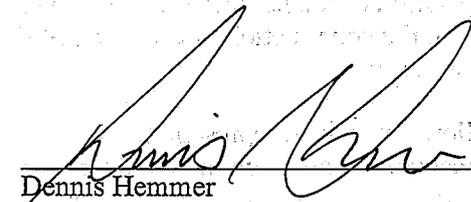
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 5 The applicant will notify the DEQ/WQD Southeast District Office by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 5 The applicant will provide immediate oral or written notice to the DEQ/WQD Southeast District Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 5 The terminus of the blow-off line shown in Detail B-B on drawing M-1 shall be a minimum of two pipe diameters above the splash pad. This change is necessary to satisfy the requirements for an air gap considered to be a backflow prevention device.
- 4 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.
- 5 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Gary Beach  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Dennis Hemmer  
Director  
Department of Environmental Quality

12-6-01  
\_\_\_\_\_  
Date of Issuance

LBH/mad/13109-ltr

## STATEMENT OF BASIS

Permit Number: 01-452

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. NO

B. Chapter XII. YES

III. Basis for issuing permit: Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

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

NO

V. Documentation of Statement of Basis.

The archives 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 Louis B. Harmon, Southeast District Engineering Supervisor, and completed on December 5, 2001. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



The State  
of Wyoming



## Department of Environmental Quality

Jim Geringer, Governor

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	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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### NOTIFICATION OF COVERAGE

December 5, 2001

Mr. Herman Noe, Manager of Engineering  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003-1469

RE: Cheyenne Omaha Road Reconstruction Project Water Line Relocation, Application No.01-453

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No.01-453 in any future correspondence.

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

Sincerely,

Louis B. Harmon PE-PG  
Southeast District Engineer  
Water Quality Division

LBH/mad/13110-ltr

cc: IPS, Cheyenne  
Scott D. Larson, BenchMark of Cheyenne, P.C.  
1920 Thomes Ave, Suite 620  
Cheyenne WY 82001



**JIM GERINGER**  
GOVERNOR

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WATER QUALITY  
(307) 332-3144

### NOTIFICATION OF COVERAGE

February 8, 2002

Jerry Busby, Chief  
Fremont County Fire Protection District  
305 South Smith Road

RE: Lysite Fire Station, Permit Number #01-454RR  
Fremont County

Dear Chief Busby:

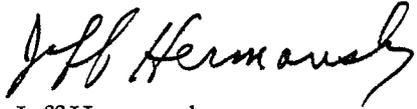
The above application for coverage under General Permit to Construct, Install and Operate a septic tank/leach field to serve the station restroom and mud sump/grease interceptor with leach field to handle snow melt, wash water and clean spill water in accordance with Chapter 3, Section 7 Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) 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.

This Permit is issued with the following conditions:

- 1) There can be no vehicle maintenance performed in the station;
- 2) There can be no engine cleaning performed in the station.

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

Sincerely,

A handwritten signature in black ink that reads "Jeff Hermansky". The signature is written in a cursive style with a large, prominent initial "J".

Jeff Hermansky  
Northwest District Supervising Engineer  
Water Quality Division

cc: IPS, Cheyenne

Jerry Crews, P.E., Cardinal Design

Jim O'Connor, Fremont County Planning Office

## STATEMENT OF BASIS

### I. General Information.

A. Permit Number: 01-454RR

### II. Application reviewed for compliance with the following regulations.

A. Chapter XI. Yes

B. Chapter XII. No

### III. Basis for issuing permit.

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.

Yes

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

Yes

### IV. Facilities not specifically covered by regulations.

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

a) Chapter XI, Part D, Sections 38 and 41, includes sizing for trench, bed and seepage pit systems. Infiltrators are new technology not included in the regulations. and

b) Section 35, which requires 10 feet separation between leach field and property lines and building foundations, and 100 feet to wells.

**IV. (Continued)**

**B. Briefly state the basis for the deviation.**

a) Research data provides sizing criteria found to be acceptable.

b) Wastewater is relatively clean with little bacterial contamination.

**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).**

13.41.2 This policy is the acceptable criteria for sizing leachfields using standard chamber units.

**V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III.**

N/A

**VI. Documentation of Statement of Basis.**

**A. The archives 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 Jeff Hermansky, Northwest District Supervisor, and completed on 6/16/99. Permit issuance is recommended based upon statements, representations and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."**



THE STATE OF WYOMING

JIM GERINGER  
GOVERNOR



## Department of Environmental Quality

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SOLID & HAZARDOUS WASTE  
(307) 332-6924

WATER QUALITY  
(307) 332-3144

### NOTIFICATION OF COVERAGE

January 3, 2002

Amy Millward  
41 Hawk Road  
Riverton, WY 82501

RE: Stock Doc Vet Clinic, Permit Number 01-455R  
Fremont County

Dear Mrs. Millward:

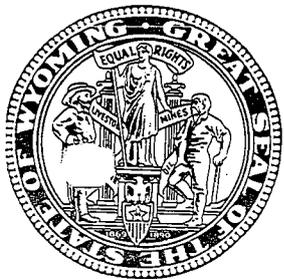
The above application for coverage under General Permit to Construct, Install, Modify or Operate a septic tank/leach field in accordance with Chapter 3, Section 7 and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the facility(ies) in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit.

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

Sincerely,

Jeff Hermansky  
Northwest District Supervising Engineer  
Water Quality Division

cc: IPS, Cheyenne  
Jim O'Connor, Fremont Co. Planning Office



The State  
of Wyoming



## Department of Environmental Quality

1043 Coffeen Avenue, Suite D • Sheridan, Wyoming 82801

Jim Geringer, Governor

AIR QUALITY  
(307) 672-6457  
Fax (307) 674-6050

LAND QUALITY  
(307) 672-6488  
Fax (307) 672-2213

WATER QUALITY  
(307) 672-6457  
Fax (307) 674-6050

### NOTIFICATION OF COVERAGE

December 10, 2001

Mr. Ted Donaldson  
P.O. Box 418  
Moorcroft, WY 82721

RE: Donaldson Septic System, Permit # 01-456

Dear Mr. Donaldson:

The above application for coverage under General Permit to Construct, Install, Modify or Operate extensions to or modifications of small wastewater septic in accordance with Chapter 3 and Chapter 11, Part B, of the Wyoming Water Quality Rules and Regulations (WWQRR) has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O. of the general permit.

If you have any questions please contact me at 1043 Coffeen Avenue, Suite D, Sheridan, WY, 82801, (307) 672-6457.

Thank you.

Sincerely,

Rick J. Estes, P.E.  
NE District Senior Environmental Analyst  
DEQ/WQD

cc: IPS, Cheyenne



The State  
of Wyoming



## Department of Environmental Quality

Jim Geringer, Governor

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

<b>ADMIN/OUTREACH</b> (307) 777-7758 FAX 777-3610	<b>ABANDONED MINES</b> (307) 777-6145 FAX 777-6462	<b>AIR QUALITY</b> (307) 777-7391 FAX 777-5616	<b>INDUSTRIAL SITING</b> (307) 777-7369 FAX 777-6937	<b>LAND QUALITY</b> (307) 777-7756 FAX 777-5864	<b>SOLID &amp; HAZ. WASTE</b> (307) 777-7752 FAX 777-5973	<b>WATER QUALITY</b> (307) 777-7781 FAX 777-5973
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### NOTIFICATION OF COVERAGE

January 2, 2002

Mr. Herman Noe, Manager of Engineering  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003-1469

RE: Cheyenne Fire Training Complex Water and Sewer Line Extensions, Application No.01-457,  
Laramie County

Dear Mr. Noe:

The above application for coverage under General Permits to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and Existing Sewage Collection Systems in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits. Please reference Application No.01-457 in any future correspondence.

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

Sincerely,

Louis B. Harmon PE-PG  
Southeast District Engineer  
Water Quality Division

LBH/mad/2-0004-ltr

cc: IPS, Cheyenne  
James Murphy, AVI, pc  
2035 Westland Road  
Cheyenne WY 82001



The State  
of Wyoming



## Department of Environmental Quality

1043 Coffeen Avenue, Suite D • Sheridan, Wyoming 82801

Jim Geringer, Governor

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LAND QUALITY  
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Fax (307) 672-2213

WATER QUALITY  
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Fax (307) 674-6050

April 19, 2002

Mr. William Mentock, PE/LS  
1030 North Main  
No. 2 Taylor Place  
Sheridan, WY 82801

RE: Powder Horn Phase 8 and Powder Horn 2-Phase 1 Sewer Collection System 01-458

Dear Dave,

A permit to construct application was submitted to this office on November 19, 2001. This application is for a sewer collection system to serve Phase 8 of Powder Horn 1 and Phase 1 of Powder Horn 2. The Powder Horn 2 subdivision is currently going through the WDEQ subdivision review. The subdivision review is now complete, given a negative recommendation by WDEQ. The WDEQ recommendation must then be acted on by the Sheridan County Commission before a permit to construct can be considered by WDEQ.

WDEQ is returning the permit to construct application and construction documents to you. The application package can be resubmitted to this office following the completion of the WDEQ subdivision and Sheridan County review process.

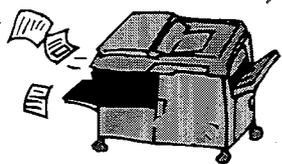
If you have any questions please contact me.

Sincerely,

Rick J. Estes, P.E.  
DEQ/WQD NE District Senior Environmental Analyst

encl: Powder Horn Ranch II Phase I Club House Plans and Construction Documents and DEQ Permit To Construct Application

cc: Homer Scott, Jr. - Owner  
DEQ -IPS Cheyenne



**FAX TRANSMITTAL**  
BY JEANINE  
FROM DEQ/WATER QUALITY DIVISION  
HERSCHLER BUILDING 4W  
122 W. 25TH STREET  
CHEYENNE, WY 82002

DATE: 4/23/02

TO: RICK ESTES, WQD-SHERIDAN

FAX NUMBER: 307-674-6050

COMMENT: WHEN YOU DO THE RETURN APPLICATION LETTER, WOULD YOU MIND INCLUDING THE APPLICATION NUMBER IN THE REGARDING LINE? I HOPE THAT 01-458 IS THE ONE YOU ARE WRITING ABOUT. WE ALREADY HAVE THAT ONE WITHDRAWN, SO YOU MUST HAVE UPDATED PRIOR TO THIS TIME. IT CAN BE REFERRED TO AS AN APP NUMBER EVEN IF IT DOES NOT BECOME A PERMIT. THANKS!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

BARB

DEPARTMENT OF ENVIRONMENTAL QUALITY  
STATE OF WYOMING  
UNDERGROUND INJECTION CONTROL PERMIT  
AUTHORIZATION TO DISCHARGE INTO UNDERGROUND RECEIVERS  
ISSUED UNDER CHAPTER 16, WATER QUALITY RULES AND REGULATIONS

(X) New  
( ) Modified

Permit Number: UIC 01-459

Subclass Number: 5E3

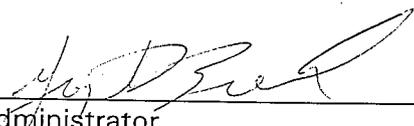
*WYS-039-006*

In compliance with the Wyoming Environmental Quality Act (W.S. 35-11-101 through 1104, specifically 301(a)(i) through (iv), Laws 1973, Ch. 250, Section 1) and Water Quality Rules and Regulations, Chapter 3 (1988), and Chapter 16 (1998),

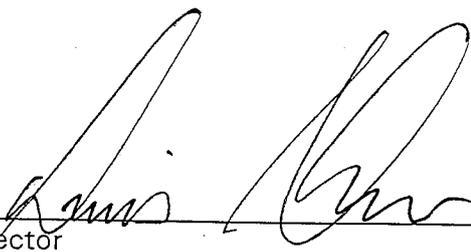
Applicant: SSDA, LLC, d/b/a Snake River Mobile Home Park  
P.O. Box 3393  
Jackson, WY 83001

are authorized to operate the Snake River Mobile Home Park Wastewater Facility in a tract of land in Homestead Entry Survey 106 in the SW ¼ NE ¼, Section 14, Township 39 North, Range 116 West, of the 6th Principal Meridian; according to the procedures and conditions of application # 01-459 and other conditions of this permit as contained on pages 1 through 10.

This permit shall become effective on date of issuance.

  
\_\_\_\_\_  
Administrator  
Water Quality Division  
Herschler Building, 122 West 25th Street  
Cheyenne, WY 82002  
Phone: (307) 777-7781

*10/2/02*  
\_\_\_\_\_  
Date

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

*10-2-02*  
\_\_\_\_\_  
Date

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Submitted no later than 30 days	6
Report any noncompliance	6
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Noncompliance not reported otherwise	7
Failed to submit any relevant facts	7
Retain all records concerning the nature and composition	7
Public notice and an opportunity for hearing	7
Annual report of operations	7
Report for an aborted or curtailed operation	7
G. GENERAL PERMIT CONDITIONS	7
Permit may be modified, suspended or revoked	7
Reviewed at least once every 5 years	7
Modified at any time as may be required	7
Public notice of the permit review	7
Any permit noncompliance constitutes a violation	7
Filing of a request	8
(Permittee) is always responsible for permit compliance	8
Legal action	8
Does not convey any property rights	8
Provisions of this permit are severable	8
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**A. DISCHARGE ZONE AND AREA OF REVIEW**

**1. Discharge Zone:**

This injection facility (sanitary leachfield) is authorized to inject into the Alluvial Aquifer along the Snake River which is found at this location from zero to 50 feet below the ground surface.

**2. Area of Review:**

The facility authorized by this permit is located in:

Township 39 North, Range 116 West, 6th Principal Meridian

Section 14: SW¼ NE¼ described as: A tract of land being part of Homestead Entry Survey No. 106 commencing at a Brass Cap stamped Corner No. 3 HES No. 106, T39N, R116W, 1967; thence N46°10'51"E a distance of 1423.516 feet to the point of beginning, said point of beginning is on the East R/W line of Highway 26-89-187-189; thence Northerly along said highway curve, Delta=10°10'28", R=3719.717 an arc distance of 660.55 feet thence S71°04'25"E as distance of 427.279 feet to a point on the meander line of the Snake River; thence S30°45'W a distance of 627.265 feet; thence N81°14'49"W, a distance of 244.102 feet to the point of beginning.

The Area of Review around this facility is legally described as:

Township 39 North, Range 116 West, 6th Principal Meridian

Section 14: SW¼ NE¼

## B. GROUNDWATER CLASSIFICATION

1. The groundwater in the alluvial aquifer along the Snake River is classified as class I (Domestic) under Chapter 8 of Wyoming Water Quality Rules and Regulations (March 11, 1993). This classification was made because:
  - a. The groundwater in this formation meets all of the quality standards set forth in Chapter 8 for class I water;
  - b. The groundwater in this formation is currently being used for domestic purposes at several points of withdrawal; and
2. Groundwater of class I shall not be degraded so as to make it unusable as a source of water for this purpose. Any parameters which do not meet the class of use standard shall not be degraded whatsoever.

## C. AUTHORIZED OPERATIONS

1. SSDA, LLC are authorized to inject 217 barrels per day (9,100 gallons per day) of wastewater as described: Sanitary waste only from a Trailer Park. This permit covers all 18 septic systems used to dispose of this wastewater. 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.
2. **Hazardous Waste:** This permit does not allow for the injection of any hazardous waste as defined by 40 CFR 261. Injection of any substance defined as hazardous waste, whether hazardous by listing or by characteristic is a violation of this permit.

## D. ENVIRONMENTAL MONITORING PROGRAM FOR GROUNDWATERS OF THE STATE

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
2. SSDA, LLC shall prepare records of all monitoring information to be retained for a period of at least 3 years after closure of the facility.
3. Records of monitoring information shall include:
  - a. The date, exact place, and time of sampling or measurements;
  - b. The name(s) of individual(s) who performed the sampling or measurements;
  - c. The date(s) analyses were performed;
  - d. Names of individuals who performed the analyses;
  - e. The analytical techniques or methods used; and
  - f. The results of such analyses.

4. The groundwater in the receiving formation shall be sampled and the following parameters analyzed on the following schedule and from the following wells.

WELL NAME OR NUMBER	SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT (UCL)*
The North Well shown on Figure 2 Site Plan dated 7/10/02	Quarterly	EPA Method 350.3	Ammonia as N	.500
		EPA Method 353.2	Nitrate as N	10.0
		Microbiological Methods for Monitoring the Environment	Fecal Coliform	200 colonies/100 ml
The New Water supply Well for the Snake River Mobile Home Park	Quarterly	EPA Method 350.3	Ammonia as N	.500
		EPA Method 353.2	Nitrate as N	10.0
		Microbiological Methods for Monitoring the Environment	Fecal Coliform	1 colony/100ml

\*All chemical concentrations in this permit are expressed in mg/l unless otherwise noted.

**The above Upper Control Limit (UCL) is not to be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require corrective action.**

5. After the first two years of operation, the Water Quality Division may, without reissuing this permit, waive further monitoring of any parameter from the above list or may require additional monitoring based on new information about the nature of the waste. The Water Quality Division may also, after the first two years of operation, approve a more or less stringent monitoring schedule.

#### **E. REQUIREMENTS FOR MONITORING THE DISCHARGE**

SSDA, LLC shall monitor the quality of the effluent being discharged to the largest capacity leachfield on the following schedule. The following parameters shall be analyzed by the listed methods and reported annually:

SAMPLING SCHEDULE	ANALYTICAL METHOD	PARAMETER ANALYZED	PERMIT LIMIT (UCL) *
Annually in the fall	EPA 200 Series Methods	Cadmium	.010
		Chromium	.050
		Lead	.050
	EPA Method 420.1	Total Phenols	.250
	EPA Method 350.3	Ammonia as N	150.0

\*All chemical concentrations in this permit are expressed in mg/l unless otherwise noted. The above Upper Control Limit (UCL) is not to be exceeded in any sample. Exceedance of this value is a violation of this permit and shall require corrective action. In the event that any contaminant is found to exceed the above UCL's SSDA, LLC shall undertake a study to determine and eliminate the source of that contaminant from the waste stream. Any parameter found to be exceeding the above UCL shall be sampled for in the North Well if not already sampled for. After the first two years of operation, the Water Quality Division may, without reissuing this permit, waive further monitoring of any parameter from the above list or may require additional monitoring based on new information about the nature of the waste. The Water Quality Division may also, after the first two years of operation, approve a more or less stringent monitoring schedule.

## **F. RECORDS AND REPORTS**

1. SSDA, LLC shall retain copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the report or application.
2. SSDA, LLC shall give notice to the administrator as soon as possible of any planned physical alterations or additions, other than authorized operation and maintenance, to the permitted facility and receive authorization prior to implementing the proposed alteration or addition.
3. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 30 days following each schedule date.
4. SSDA, LLC shall report any noncompliance which may endanger health or the environment, orally within 24 hours from the time the operator becomes aware of the circumstances. The report should include:
  - a. Any monitoring or other information which indicates that any contaminant may cause an endangerment to a usable groundwater of the state.
  - b. Any noncompliance with a permit condition or malfunction of the discharge (injection) system which may cause fluid migration into or between usable groundwaters of the state.
  - c. A written submission shall be provided within 5 days of the time the operator becomes aware of the circumstances. This written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the

noncompliance has not been corrected; the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

5. SSDA, LLC shall report all instances of noncompliance not reported otherwise, at the time monitoring reports are submitted; such reports shall contain the information listed in 4. above.
6. When SSDA, LLC becomes aware that they failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the administrator, they shall promptly submit such facts or information.
7. SSDA, LLC shall retain all records concerning the nature and composition of injected fluids until 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.
8. A subsurface discharge (injection) facility may not commence subsurface discharge (injection) until, following public notice and an opportunity for hearing, an underground injection control permit has been issued by the department for the proposed operation.
9. The annual report of operations for this facility shall be submitted on forms provided by the department and shall include the following information:
  - a. Any permit accedences within the previous year.
  - b. The analytical results for sampling for the injected water and any groundwater sampling results required under Section D or E of this permit.
  - c. Annual reports are due in the Cheyenne office of the Water Quality Division no later than December 1 of each year. The first report is due December 1, 2003.
10. A comprehensive report for an aborted or curtailed operation authorized by this permit shall be submitted to the administrator within 30 days of complete termination of the injection (discharge) or associated activity, in lieu of an annual report.

## **G. GENERAL PERMIT CONDITIONS**

1. 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:
  - a. Violation of the permit;
  - b. Obtaining a permit by misrepresentation or failure of the discharge well or system.
2. Each permit is reviewed at least once every 5 years, and may be reviewed more frequently.
3. 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 is issued. A permit may be modified in whole or part in order to apply more, or less, stringent standards; or prohibitions for a toxic or other substance present in SSDA, LLC discharge, as may be ordered by the council. This permit can be terminated by authority of the administrator for one or more permit violations.

4. Public notice of the permit review and request for public comment will be made every 10 years by the administrator.
5. Any permit noncompliance constitutes a violation of the permit and is grounds for enforcement action, permit termination, revocation, or modification.
6. The filing of a request by SSDA, LLC for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
7. The owner/operator of record (permittee) is always responsible for permit compliance. A permit holder cannot transfer his permit without approval of the department director, and no such transfer will be approved if the facility is not in compliance with the existing permit unless the proposed permittee agrees to bring the facility into compliance.
8. Nothing in this permit shall be construed to preclude the institution of any legal action or relieve SSDA, LLC from any responsibilities, liabilities or penalties established pursuant to any applicable state law or regulation.
9. The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.
10. The provisions of this permit are severable, and if any provision of the permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.
11. Pollution or waste which migrates into an aquifer containing a usable groundwater of the state is a violation of the permit.
12. This permit is for a term of ten years. If SSDA, LLC wish to continue injection after the expiration date of this permit, they will be required to apply to the Administrator for, and obtain, a new permit.
13. 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 a permit condition shall be reported to the administrator through the submission of a new or amended permit application.
14. The injection facility covered by this permit shall meet the construction requirements found in Section 10 of Chapter 16, and Part D of Chapter 11, Water Quality Rules and Regulations. The permittee shall submit notice of completion or construction to the administrator and allow for inspection of the facility upon completion of construction prior to commencing any injection activity.
15. The permittee shall notify the administrator seven (7) days prior to conversion of this facility to any other use, or final abandonment of the facility.
16. Injection shall not commence until all construction is complete.

#### **H. DUTIES OF THE PERMITTEE**

is a duty of the permittee to:

1. Comply with all permit conditions;
2. Halt or reduce activity -- it shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce SSDA, LLC activity in order to maintain compliance with the permit conditions;
3. Take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit; and
4. Furnish to the administrator within a reasonable time, any information which the administrator may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit; and furnish to the administrator, upon request, copies of records required to be kept by this permit.
5. 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 this permit. Proper operation and maintenance includes effective performance, adequate funding and operator staffing and training, and adequate 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 the permit.
6. Allow the administrator, or an authorized representative of the administrator, upon the presentation of credentials, during normal working hours, to enter the premises where a regulated facility is located, or where records are kept under conditions of this permit, and inspect the discharge and related facilities, review and copy reports and records required by the permit, collect fluid samples for analysis, measure and record water levels, and perform any other function authorized by law or regulation.

#### **I. SPECIAL MEASURES THE DIRECTOR FINDS NECESSARY:**

1. In the event that sewage is found to be surfacing from the leachfield covered by this permit, this is a violation of this permit and shall be reported immediately as required by Section F of this permit. SSDA, LLC shall submit a modified application showing plans for a replacement leachfield (or other type of waste disposal method) within 90 days of determining that any of the leachfields covered by this permit has failed.
2. In the event that any leachfield which is within 200 feet of the new Water Supply Well shall fail, the new leachfield shall be constructed more than 200 feet from that well. In the event that no location can be found which is more than 200 feet from the new Water Supply Well, then those mobile homes served by the failed system shall be removed.

#### **J. SIGNATORIES REQUIREMENT**

1. All reports required by this permit and other requested information shall be signed as follows:
  - a. For a corporation -- by a principal executive officer of at least the level of vice-president;
  - b. For a partnership or sole proprietorship -- by a general partner or the proprietor, respectively;

c. 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 described 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.

2. 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 an authorized representative.

3. Any person signing a report or other requested information shall make the following certification:

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

RL/bv/2-3168.ltr

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

Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

PROJECT: Snake River Mobile Home Park Septic Systems, Teton County, Wyoming

ENGINEER: Evan Simpson  
Sunrise Engineering, Inc.  
P.O. Box 678  
Afton, WY 83110  
(307) 886-9802

GEOLOGIST: none

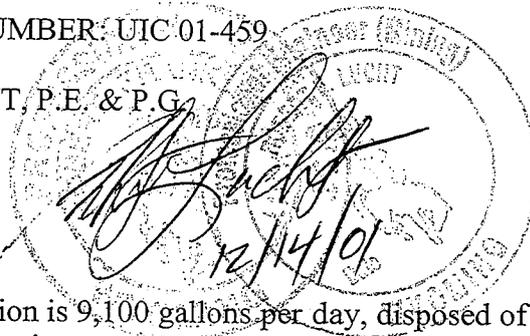
APPLICANT: Snake River Mobile Home Park  
P.O. Box 3393  
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: UIC 01-459

REVIEWING ENGINEER: ROBERT F. LUCHT, P.E. & P.G.

DATE OF REVIEW: December 14, 2001

ACTION: NOT AUTHORIZED UNDER UIC



1. The total design flow shown in the application is 9,100 gallons per day, disposed of in 18 individual septic systems, based on the following:

CATEGORY	SIZE	DESIGN FLOW IN GPD
26 Mobile Homes	Required sizing 350 gpd/unit	9,100.00
TOTAL:		9,100.00

2. According to Mr. Simpson's 1993 report, the groundwater gradient is "sharply to the east and generally to the south." He further notes that all of these septic systems are up-gradient from the two public water supply wells, although none are within 100 feet of the public water supply wells. Chapter 16, Section 10(n), Wyoming Water Quality Rules and Regulations states that: "Except for beneficial use facilities, Class V facilities shall not be located within 200 feet of any active public water supply well, regardless of whether or not that well is completed in the same aquifer." No septic system on this site can be allowed to remain in operation within 200 feet of either of the public water supply wells. It appears that the septic systems for units 9, 10, 11, 12, 13, 14, 15 and 26 are all within 200 feet of the public water supply wells.

3. The water in the aquifer at this complex is Class I Groundwater of the State under Chapter 8, Wyoming Water Quality Rules and Regulations. This classification is made because the groundwater is being used for domestic purposes. The department believes that it also meets all of the quality standards for class I groundwater although no analysis have been submitted that would prove this assertion.
4. All class V UIC Permits require a point of compliance with groundwater standards. That point of compliance varies from a monitoring well directly under a leachfield to a series of monitoring wells around the leachfield with the point of compliance defined as the down gradient well. The cost of installation varies with the type of compliance point, as does the stringency of the monitoring system. Please propose a point of compliance which will be protective of the groundwater in general, but which will have some likelihood of successfully showing compliance.
5. Chapter 16, Section 6(c)(xi) states that:

“All applications for permits, reports, or information to be submitted to the Administrator shall be signed by a responsible officer as follows: (A) For a corporation - a responsible corporate officer means: (i) A president, secretary, treasurer, or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation; or (ii) The manager of one or more manufacturing, production, or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding \$25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures. (B) For a partnership or sole proprietorship -- by a general partner or the proprietor, respectively; (C) For a municipality, state, federal or other public agency -- by either the principal executive officer or ranking elected official.”

Section 6(c)(xii) requires that applications be certified by the applicant as to the truth of the information submitted as follows:

“The application shall contain the following certification by the person signing the application:

“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.”

December 14, 2001

Page 3

This application was not signed and cannot be processed until it is signed. I am returning your application for signature.

6. Mr. Simpson's 1993 report makes a number of recommendations. Which of those recommendations were implemented? Were the steel septic tanks replaced? Were provisions made to pump the septic tanks on a schedule? If so what is the schedule? Was chlorination equipment installed on the 135 foot well?
7. When an if this permit is issued, a compliance schedule will be included to require improvements to these systems. Wastewater systems which are too close to the public water supply wells will have to be relocated away from those wells. Monitoring of the effluent and public water supply wells will be required, and a point of compliance will be required between the septic systems and the wells. As part of your response to this review, please propose a compliance schedule, no more than five years in length, to bring this facility into compliance with current standards. Such a compliance schedule should establish concrete dates when a point of compliance will be provided and concrete schedules to replace systems which are too close to wells.
8. Monitoring of the effluent and groundwater will be required as part of this permit. Monitoring of the septic tank effluent for Ammonia as N, Total Phenols, Cadmium, Chromium and Lead will be required quarterly as will monitoring of the public water supply system quarterly for Ammonia as N, Nitrate as N, Total Phenols, Cadmium, Chromium and Lead. After four quarters of monitoring, this department will revisit this requirement to determine if changes can be made. Septic samples can be composited from all tanks into one analytical sample for the entire facility, and a single composite sample of the public water supply wells will be sufficient.

RFL/mad/13227-ltr



The State  
of Wyoming



## Department of Environmental Quality

Jim Geringer, Governor

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7761 FAX 777-5973
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### NOTIFICATION OF COVERAGE

December 20, 2001

Wyoming Premium Farms  
Attn. Doug DeRouchey, General Manager  
P.O. Box 457  
Wheatland, Wyoming 82201

RE: Shop Septic System at Main Office Site @ 394 Hwy 26, Application No. **01-461**  
Location: NW1/4 NW1/4, Section 18, T26N, R67W, Carbon County

Dear Mr. DeRouchey:

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

1. Septic Tank Clean-Out Riser Requirement - Either a 6 inch diameter clean-out riser or the manway from **each compartment of the tank** must be extended to the ground surface.
2. Polyethylene Septic Tank Installation Requirements - To ensure structural integrity, the **manufacturer's instructions** regarding filling the tank with water during burial and immediately after pumping it out, **must be followed during installation** and clean-outs.
3. Tail-end Leachfield Header Pipe Required - An additional header pipe shall be installed to connect the back end of the 3 trenches as shown on the "**STANDARD TRENCH TYPE SOIL ABSORPTION SYSTEM DETAIL SHEET**".

The approval granted under this Notification Of Coverage and the General Permit shall expire on December 20, 2003. Please reference Application Number **01-461** in any future correspondence.

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

Sincerely,

Ronald L. Ewald  
Environmental Senior Analyst  
Southeast District, Water Quality Division

RLE/mad/13296-ltr

cc: IPS, Cheyenne

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Schedule Card  
Certificate of Completion

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 01-462  
SPECIAL CONDITIONS

REF/PERMIT NO. 94-341, 95-415, 95-118, 00-170, 01-463

NFP of Iowa, LLP Sow Site

This permit hereby authorizes the applicant:

NFP OF Iowa, LLP  
715 3rd Street, P.O. Box 244  
Jackson Minnesota 56413

to assume ownership of the 8100 swine (3240 animal unit) confined swine feeding operation with waste collection and single cell treatment lagoon, and operate it according to the procedures and conditions of this permit number 01-462, as derived from the reference permit numbers 94-341, 95-415, 95-118, and 00-170. The waste water from this facility shall be disposed of in accordance with the requirements of permit number 01-463. The facility is located in the E ½ SW 1/4 and the W ½ SE 1/4 Section 26 T17N R62W of the 6th P.M. in the county of Laramie, in the State of Wyoming.

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 the Wyoming DEQ guarantees or ensures that the permitted facility will meet applicable permit conditions or other effluent or operational requirements. Compliance with discharge and land application standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. 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 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 operator to comply with all applicable federal, state and local laws or regulations in the exercise of its activities authorized by this permit.

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

The permittee shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of this permit, 01-462, referenced permits 94-341, 95-415, 95-118, 00-170, 01-463 and applicable supporting documents. 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:

**Conditions from Permit 94-341 Signed November 29, 1994**

Permit 94-341 had 10 numbered conditions. The numbered conditions of the permit that have been satisfied or are no longer applicable are 1 of 10, 2 of 10, 3 of 10, 7 of 10, 8 of 10 and 9 of 10. Conditions 4 of 10, 5 of 10, 6 of 10, and 10 of 10 have been carried forward and renumbered as conditions of this permit.

**Conditions from Permit 95-118 Signed May 2, 1995 and Permit 00-170 Signed July 7, 2000.**

Permit 95-118 had 8 numbered conditions. The numbered conditions of the permit that have been satisfied or are no longer applicable are 1 of 8, 2 of 8, 3 of 8, and 8 of 8. Conditions 4 of 8, 5 of 8, 6 of 8 and 7 of 8 were incorporated into the conditions of permit 00-170. The numbered conditions of permit 01-170 that have been satisfied or are no longer applicable are 1 of 6, 2 of 6, and 5 of 6. Conditions 2 of 6, 3 of 6 and 6 of 6 have been carried forward and renumbered as conditions of permit 01-463.

**Conditions from Permit 95-415 Signed September 18, 1995**

Permit 95-415 had 5 numbered conditions. All have been satisfied or are no longer applicable.

- 1 of 5 This permit is issued based on the drawdown cone and radius of influence for ROMSA #7 well being pumped at a minimum rate of rate of 250 gpm at all times. A report done by Lidstone Anderson dated September, 1994 and submitted with the application package illustrates that the drawdown cone and radius of influence for ROMSA #7 will be such that groundwater will be protected. (This is Condition 5 of 10 from permit 94-341. Well ROMSA #7 is permitted by the Wyoming State Engineer as U.W. 24962.)
- 2 of 5 In order to verify the groundwater model, the following sampling schedule and procedure shall be followed for wells ROMSA #5, #6 and #7.
- a. Background data shall be established from a one time sampling event from all three wells as soon as the wells are placed in service or started for spring irrigation. The first year of sampling will also include a sample from the three sampling wells at the end of the irrigation season. Monitoring after the first year will require that ROMSA #7 be monitored on a semiannual basis and ROMSA #5 and #6 to be monitored at the end of the irrigation season as presented in the application package.
  - b. An annual report shall be submitted to the Southeast District Engineer and will include a title sheet with a location map showing the location of the facility and the monitoring wells. The map will also include elevations for the three sampling wells. The sample report will include elevation of static water level, total Ammonia (NH<sub>3</sub>-N), and total Nitrate (NO<sub>3</sub>-N). The sample report will also include the total gallons pumped for ROMSA #7 well.
  - c. If the monitoring data shows that the total N in the production well (ROMSA #7) is greater than 100 mg/l then the permittee shall submit a report to the Southeast District Engineer showing that the integrity of the liner has been maintained. If the permittee documents that the integrity of the liner has indeed been maintained then the permittee shall provide a reasonable explanation for the elevated levels of the Nitrate. If it is found that the pond is indeed leaking then the pond shall be drained and repaired immediately.

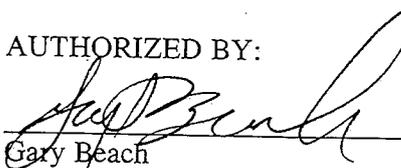
If the monitoring does not verify the groundwater modeling as proposed, the permittee shall provide measures to correct the deficiencies in the groundwater modeling. The permittee shall submit the corrective measures to the WQD for approval prior to implementation of the corrective action. (This is Condition 6 of 10 from permit 94-341.)

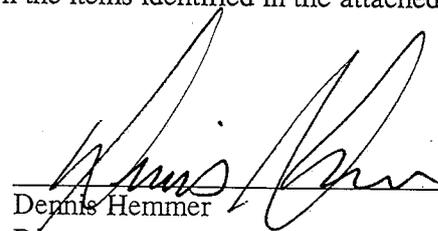
- 3 of 6 If the hog feeding operation shuts down for 30 days or more the wastewater lagoon shall be emptied and all sludges removed and properly disposed of. The production well (ROMSA #7) shall maintain a minimum pumping rate of 250 gpm during intermittent or permanent shutdown of the hog feeding facility. The well shall maintain the minimum pumping rate until the permittee demonstrates that all contamination has been removed from the groundwater. (This is Condition 10 of 10 from permit 94-341.)

- 4 of 6 All liquid swine manure wastes generated by the operations allowed by this permit shall be disposed of in accordance with the provisions of permit 01-463.
- 5 of 6 All solid swine manure wastes generated by the operations allowed by this permit shall be disposed of in the following fashion:
- (a) Buffer zone.
    - (i) A buffer zone of 200 feet is required between a land application site and current residential, commercial, school, or industrial development lands where solid manure is to be spread.
    - (ii) Solid manure shall not be land applied within 200 feet of a perennial or intermittent water body or water well permitted for current domestic purposes.
    - (iii) Solid manure shall not leave the property where it is applied.
  - (b) Pathogen controls:
    - (i) Solid manure wastes shall not leave the application site when solid manure wastes are land applied.
    - (ii) Solid manure wastes shall be applied only to lands with a low potential for public contact with the solid manure wastes or the soil. This restriction does not preclude hunting or fishing.
    - (iii) Crops shall not be harvested for 30 days after the application of solid manure wastes.
    - (iv) Direct human consumption crops, which are consumed fresh, shall not be harvested for one (1) year after the application of solid manure wastes.
    - (v) Turf grass or sod grown on land where solid manure wastes are applied shall not be harvested for landscaping for one year after application of solid manure wastes.
  - (c) Solid manure wastes may be sold or given away. The permittee must maintain a record of who received solid manure and the amount received. The permittee must assure that the use of the solid manure complies with the requirements of this condition.

6 of 6 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis" (This is Condition 4 of 10 from permit 94-341.)

AUTHORIZED BY:

  
\_\_\_\_\_  
Gary Beach  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Dennis Hemmer  
Director  
Department of Environmental Quality

1-25-02  
\_\_\_\_\_  
Date of Issuance

LBHmad/2-0263-ltr

c Keith Burron, Associated Legal Group, LLC  
Laramie County Commissioners

STATEMENT OF BASIS

- I. Permit Number: 01-462
- II. Application reviewed for compliance with the following regulations.
- A. Chapter XI. YES
- B. Chapter XII. NO
- III. Basis for issuing permit.
- A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.  
YES
- 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
- A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.  
N/A
- B. Briefly state the basis for the deviation.  
N/A
- C. Permit based on general or statewide deviation contained in approved policy statement.  
N/A
- V. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.  
YES
- VI. If Section 17 of Chapter 3 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:  
N/A

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

N/A

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

N/A

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:

N/A

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:

The wastewater lagoon is for storage of liquid swine wastes from the confined hog feeding operation. The permit does not provide for disposal of any other waste at the site. The wastewater lagoon was lined with clay and silty clay found on site. The liner was 8 inches thick, compacted to 95% of standard proctor, and had an in-place permeability of 10<sup>-7</sup> cm/sec. The maximum exfiltration should not exceed 1/8 inch/day as indicated in Chapter 11.

The permit is based on groundwater modeling which indicated that all contamination entering the groundwater from the wastewater pond will be captured by the ROMSA #7 well. The ROMSA #7 is located approximately 1320 feet downgradient and must be pumped at a minimum of 250 gpm at all times. The pumping rate for the ROMSA #7 well may be increased depending upon demand, however it will not be less than the 250 gpm as indicated.

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.

This permit allows the nitrates as N concentrations in the unconfined aquifer underlying the site to exceed the Chapter 8 standard of 10 ppm, with a maximum allowable concentration of 100 ppm of nitrates as N. The limits of the allowable impact is the portion of Section 26 T17N R62W that is owned by NFP of Iowa, LLC or subject to land application agreements benefitting the permit. The cone of drawdown produced by the continuous pumping of ROMSA #7 will confine the impacted waters of the aquifer to Section 26.

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.

The permit requires that ROMSA Wells #5, #6, and #7 be monitored to verify the groundwater model and to verify that the groundwater is not impacted beyond the limits of Section 26. All three wells will be monitored for static water levels and nitrogen. The annual water production will be reported for the ROMSA #7 well. Monitoring shall be required until such time as the department is satisfied the groundwater modeling is accurate and monitoring is no longer required.

VII. Documentation of Statement of Basis.

The archives file for this permit and preceding permits 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 Louis B. Harmon, Southeast District Engineering Supervisor, and completed on January 24, 2002. 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."

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 01-463  
SPECIAL CONDITIONS  
REF/PERMIT NO. 94-341, 95-118, 00-170, 01-462

NFP of Iowa, LLP Sow Site

This permit hereby authorizes the applicant:

NFP OF Iowa, LLP  
715 3rd Street, P.O. Box 244  
Jackson Minnesota 56413

to conduct land application of liquid swine wastes in the E ½ of Section 26 and in Section 23, all in T 17N R62W of the 6th P.M. according to the procedures and conditions of the permit number 01-463 as derived from the reference permit numbers 94-341, 95-118, and 00-170. The wastes to be land applied are produced from the confined swine feeding facility permit 01-462, located in the E ½ SW 1/4 and the W ½ SE 1/ Section 26, Section 23 T17N R62W in the county of Laramie, in the State of Wyoming.

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 the Wyoming DEQ guarantees or ensures that the permitted facility will meet applicable permit conditions or other effluent or operational requirements. Compliance with discharge and land application standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction or the design of the facility described herein. 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 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 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 conduct land application of liquid swine wastes in accordance with the statements, representations, procedures, terms and conditions of this permit, 01-463, referenced permits 94-341, 95-415, 95-118, 00-170, 01-462 and applicable supporting documents. 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:

**Conditions from Permit 00-170 signed July 7, 2000.**

Permit 95-118 was superseded by Permit 00-170. Permit 00-170 had 6 numbered conditions. The numbered conditions of the permit that have been satisfied or are no longer applicable are 1 of 6, 2 of 6, and 5 of 6. Conditions 2 of 6, 3 of 6 and 6 of 6 have been carried forward and renumbered as conditions of permit 01-463.

1 of 4 The waste water piping and the irrigation well connections shall be completed in accordance with the attached Water Quality Division Policy 13.29.3, Use of Chemigation Check Valves for Well Head Protection. This policy allows the use of agricultural chemigation valves in addition to the reduced pressure backflow prevention devices permitted in permit 95-118. Either device must be protected by downstream low pressure relief valves to eliminate the possibility of valve damage due to freezing. (This is condition 2 of 6 from permit 00-170).

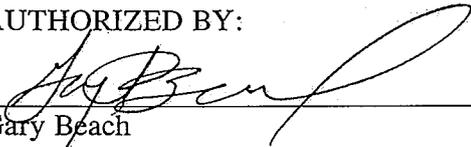
2 of 4 The following conditions shall continue in force:

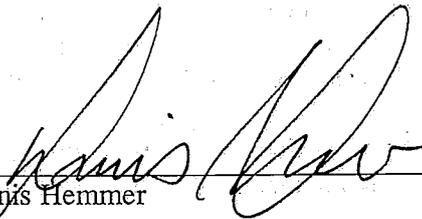
- a. Any groundwater wells shall be protected from backflow in accordance with the attached Water Quality Division Policy 13.29.3.
- b. The land application rates shall be limited for both hydraulic loading and nutrient loading. The total nitrogen available in the soil after harvest plus nitrogen applied from all sources during the following growing year shall not exceed the anticipated nitrogen uptake of the crop seeded.
- c. Directly edible crops, such as dry beans and potatoes, may not be irrigated with liquid animal wastes.
- d. The hydraulic loading shall not exceed the transeaporation plus the assimilative capacity of the soil. The total amount of water applied, including precipitation, shall be recorded and reported in the annual report.
- e. An annual report shall be submitted to the Water Quality Division. The annual report shall include all soil sampling results, analysis of the liquid animal wastes applied, the amounts of commercial fertilizers applied, the crops planted, crop yields and an analysis of all plant nutrients tested, which shall include phosphorus and potassium in addition to nitrogen. (This is condition of 3 of 6 from permit 00-170).

3 of 4 All swine manure wastes generated by the operations allowed by permit 01-462 shall be disposed of in accordance with the provisions of this permit, 01-463.

4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis" (This is condition 6 of 6 from permit 00-170).

AUTHORIZED BY:

  
\_\_\_\_\_  
Gary Beach  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Dennis Hemmer  
Director  
Department of Environmental Quality

1-25-02  
\_\_\_\_\_  
Date of Issuance

LBH/mad/2-0264-ltr

Enclosure: Policy 13.29.3

cc: Keith Burron, Associated Legal Group, LLC  
Laramie County Commissioners

## STATEMENT OF BASIS

- I. Permit Number: 01-463
- II. Application reviewed for compliance with the following regulations.
- A. Chapter XI. YES
- B. Chapter XII. NO
- III. Basis for issuing permit: Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.
- IV. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.
- YES
- V. If Section 17 of Chapter 3 is applicable, indicate the basis of determining groundwater will be protected.
- The facility will not allow a discharge to groundwater:
- The land application of liquid wastes at agronomic rates prevents a discharge of dissolved constituents to the ground water.
- VI. Documentation of Statement of Basis.
- The archives 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 Louis B. Harmon, Southeast District Engineering Supervisor, and completed on January 24, 2002. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



The State  
of Wyoming



## Department of Environmental Quality

Jim Geringer, Governor

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

<b>ADMIN/OUTREACH</b> (307) 777-7758 FAX 777-3610	<b>ABANDONED MINES</b> (307) 777-6145 FAX 777-6462	<b>AIR QUALITY</b> (307) 777-7391 FAX 777-5616	<b>INDUSTRIAL SITING</b> (307) 777-7369 FAX 777-6937	<b>LAND QUALITY</b> (307) 777-7756 FAX 777-5864	<b>SOLID &amp; HAZ. WASTE</b> (307) 777-7752 FAX 777-5973	<b>WATER QUALITY</b> (307) 777-7781 FAX 777-5973
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### NOTIFICATION OF COVERAGE

January 3, 2002

Mr. Herman Noe, Manager of Engineering  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003-1469

RE: Highland Village Phase 2 Water and Sewer Extensions, Application No.01-464, Laramie County

Dear Mr. Noe:

The above application for coverage under General Permits to Construct, Install, Modify, or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and Existing Sewage Collection Systems in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits. Please reference Application No.01-464 in any future correspondence.

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

Sincerely,

Louis B. Harmon PE-PG  
Southeast District Engineer  
Water Quality Division

LBH/bb/2-0040.ltr

cc: IPS, Cheyenne  
Joseph E. Kub, Kub Engineering  
6231 Kemphill Drive  
Cheyenne WY 82009



The State  
of Wyoming



## Department of Environmental Quality

Jim Geringer, Governor

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

<b>ADMIN/OUTREACH</b> (307) 777-7758 FAX 777-3610	<b>ABANDONED MINES</b> (307) 777-6145 FAX 777-6462	<b>AIR QUALITY</b> (307) 777-7391 FAX 777-5616	<b>INDUSTRIAL SITING</b> (307) 777-7369 FAX 777-6937	<b>LAND QUALITY</b> (307) 777-7756 FAX 777-5864	<b>SOLID &amp; HAZ. WASTE</b> (307) 777-7752 FAX 777-5973	<b>WATER QUALITY</b> (307) 777-7761 FAX 777-5973
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### NOTIFICATION OF COVERAGE

January 3, 2002

Mr. Herman Noe, Manager of Engineering  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003-1469

RE: Highland Village Phase 3 Water and Sewer Extensions, Application No.01-465, Laramie County

Dear Mr. Noe:

The above application for coverage under General Permits to Construct, Install, Modify, or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and Existing Sewage Collection Systems in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, and both systems in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permits. Please reference Application No.01-465 in any future correspondence.

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

Sincerely,

Louis B. Harmon PE-PG  
Southeast District Engineer  
Water Quality Division

LBH/bb/2-0041.ltr

cc: IPS, Cheyenne  
Joseph E. Kub, Kub Engineering  
6231 Kempfill Drive  
Cheyenne WY 82009

## PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 01-467RR  
SPECIAL CONDITIONS

### Lost Cabin Gas Plant Train 3 Expansion Project - Public Water Supply PWS # WY5601462NTNC

This permit hereby authorizes the applicant:

Dan Tisdale, Senior Environmental Rep.  
Burlington Resources Oil & Gas Company, LP  
3300 North A Street  
Midland, TX 79705

to construct extension of a 3000 gpd public water supply system consisting of a reverse osmosis water treatment system with chlorination, storage tank, distribution system and appurtenances to serve a 57 person plant, according to the procedures and conditions of application number 01-467RR. The facility is located in NW1/4&NE 1/4, Section 11, T38N, R90W in the county of Fremont, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by June 20, 2004.

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

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

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

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

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Mark Baron, Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183, [mbaron@state.wy.us](mailto:mbaron@state.wy.us).

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.

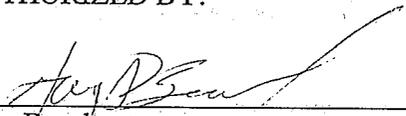
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve

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.

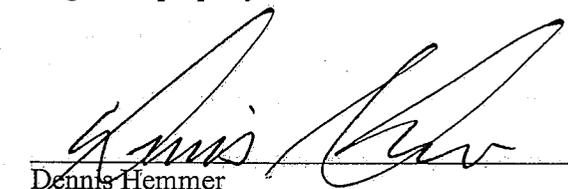
In carrying out its activities authorized by this permit, the permittee, owner and/or operator shall comply with all of the following permit conditions:

- 1 of 5 The applicant will notify the Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; by letter, e-mail or telephone of the date construction will begin and the estimated completion date.
- 2 of 5 The applicant will provide immediate oral and/or written notice to the Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; (307)332-3144; FAX (307)332-3183; [mbaron@state.wy.us](mailto:mbaron@state.wy.us), in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 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 Based on the Environmental Protection Agency (EPA) July 17, 2000, sanitary survey the following deficiencies, listed in an October 4, 2000, letter to Mr. Douglas Rives, Field Supervisor with Burlington Resources, must be corrected.
  - a. Replace the inspection lid on the Lost Cabin storage tank.
  - b. Properly seal the opening where the mechanical tank level device was installed.
  - c. Make sure that all openings on the field office storage tank properly sealed.

AUTHORIZED BY:

  
\_\_\_\_\_  
Gary Beach  
Administrator  
Water Quality Division

6-24-2002  
\_\_\_\_\_  
Date of Issuance

  
\_\_\_\_\_  
Dennis Hemmer  
Director  
Department of Environmental Quality

MDB/mad/2-2008-ltr

Enclosures: October 4, 2000 letter to Mr. Douglas Rives

covering the July 17, 2000 Sanitary Survey

## STATEMENT OF BASIS

I. General information.

Permit Number: 01-467RR

II. Application reviewed for compliance with the following regulations.

A. Chapter 11. No

B. Chapter 12. Yes

III. Basis for issuing permit.

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section 2.

No

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter 11, or 12.

Yes

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

No

IV. Facilities not specifically covered by regulations.

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

Chapter 12, Section 10 does not list reverse osmosis water treatment systems as a water treatment option.

B. Briefly state the basis for the deviation.

Raw and treated water quality data supplied by the engineer and Hawthorne Treatment Systems, the manufacture, indicates that the raw water can be treated to potable water standards.

C. Permit based on general or statewide deviation contained in approved policy statement

No

V. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3<sup>1</sup>.

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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 17.

N/A

- VI. If Section 17 of Chapter 3 is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

N/A

- VII. Documentation of Statement of Basis.

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

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter 3, Wyoming Water Quality Rules and Regulations. This review was performed by Mark Baron, Environmental Senior Analyst, and completed on June 20, 2002. Permit issuance is recommended based upon statements, representations, and procedures presented in the permit application and supporting documents, permit conditions, and the items identified in this "Statement of Basis."



THE STATE OF WYOMING

JIM GERINGER  
GOVERNOR

## Department of Environmental Quality

3030 Energy Lane • Suite 200 • Casper, Wyoming 82604

SOLID & HAZARDOUS WASTE DIVISION  
(307) 473-3450

AIR QUALITY DIVISION  
(307) 473-3455

WATER QUALITY DIVISION  
(307) 473-3465

ABANDONED MINES  
(307) 473-3460

### NOTIFICATION OF COVERAGE

December 18, 2001

Thomas R. and Kim M. Norby  
P. O. Box 138  
Willow Creek, MT 59760

RE: Norby Small Wastewater Facility, Permit # 01-468

Dear Mr. And Ms. Norby:

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

If you have any questions please contact Dennis Lamb at 3030 Energy Lane, Casper, WY, 82604, (307) 473-3452. Thank you.

Sincerely,

Dennis Lamb  
NE District Supervisor  
DEQ/WQD

cc: IPS, Cheyenne



JIM GERINGER  
GOVERNOR

# Department of Environmental Quality

250 Lincoln Street • Lander, Wyoming 82520-2848 • Fax (307) 332-7726

ABANDONED MINES (307) 332-5085	AIR QUALITY (307) 332-6755	LAND QUALITY (307) 332-3047	SOLID & HAZARDOUS WASTE (307) 332-6924	WATER QUALITY (307) 332-3144
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## NOTIFICATION OF COVERAGE

December 20, 2001

Gary Starkey  
45 Boysen Route  
Shoshoni, WY 82649

RE: Starkey - Small Waste Treatment Facility, Permit Number: 01-469,  
NE 1/4 (Lot 6) Section 12, T43N, R95W,  
Hot Springs County

Dear Mr. Starkey:

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

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

Sincerely,

Mark Baron, E.I.T.  
Environmental Senior Analyst  
Water Quality Division

cc: IPS, Cheyenne  
encl: General Permit For a Small Waste Treatment Facility



The State  
of Wyoming



## Department of Environmental Quality

1043 Coffeen Avenue, Suite D • Sheridan, Wyoming 82801

Jim Geringer, Governor

AIR QUALITY  
(307) 672-6457  
Fax (307) 674-6050

LAND QUALITY  
(307) 672-6488  
Fax (307) 672-2213

WATER QUALITY  
(307) 672-6457  
Fax (307) 674-6050

### NOTIFICATION OF COVERAGE

January 28, 2002

Mr. Eric Miller, P.E.  
TSP Two, Inc.  
One South Scott Street  
Sheridan, WY 82801

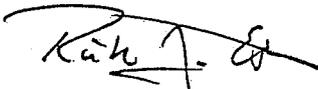
RE: Scott/Broadway Reconstruction , Permit # 01-471

Dear Eric:

The above application for coverage under General Permit to Construct, Install, Modify or Operate a extension to the City of Sheridan Wastewater Collection and Water Distribution system in accordance with Chapter 3 and Chapter 11 of the WWQRR has been reviewed and is hereby approved. You are authorized to construct, install, or modify the facility in accordance with general permit and the materials submitted in your application package. 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 permit shall be completed by January 29, 2004.

If you have any questions please contact me at 1043 Coffeen Avenue, Suite D, Sheridan, WY, 82801, (307) 672-6457. Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Rick J. Estes", with a stylized flourish at the end.

Rick J. Estes, P.E.  
NE District Senior Environmental Analyst  
DEQ/WQD

encl: Engineering Design Report, Construction Documents, and DEQ/WQ General Permit

cc: IPS, Cheyenne  
Jackie Flowers, P.E., City of Sheridan Public Works Director



The State  
of Wyoming



## Department of Environmental Quality

Jim Geringer, Governor

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	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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### NOTIFICATION OF COVERAGE

January 25, 2002

Colorado Interstate Gas Company  
Attn. Kerry Schinkel, Lead Technician  
2 N. Nevada  
Colorado Springs, Colorado 80903

RE: Rawlins Headquarters: Sewage Holding Tank, Application No. **01-472**  
Location: NE 1/4, Section 24, Township 21N, Range 88W, Carbon County

Dear Mr. Schinkel:

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

The approval granted under this Notification Of Coverage and the General Permit shall expire on January 25, 2004. Please reference Application Number **01-472** in any future correspondence.

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

Sincerely,

Ronald L. Ewald  
Environmental Senior Analyst  
Southeast District, Water Quality Division

RLE/mad/2-0274-ltr

Enclosures: GENERAL PERMIT - Small Wastewater Facility  
Schedule Card  
Certificate of Completion

cc: IPS, Cheyenne  
Mark Blakley, Inberg-Miller, 1120 East "C" Street, Casper, Wyoming 82601-2195  
Carbon County Planner



JIM GERINGER  
GOVERNOR

# Department of Environmental Quality

250 Lincoln Street • Lander, Wyoming 82520-2848 • Fax (307) 332-7726

4-18-02  
Barb

ABANDONED MINES (307) 332-5085	AIR QUALITY (307) 332-6755	LAND QUALITY (307) 332-3047	SOLID & HAZARDOUS WASTE (307) 332-6924	WATER QUALITY (307) 332-3144
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## NOTIFICATION OF COVERAGE

April 15, 2002

Sondra Ellis, Agent  
Highline Trail RV Park  
P.O. Box 8  
Boulder, WY 82923

RE: Highline Trail RV Park, Permit Number: 01-473R, SW1/4 Section 15, T32N,  
R108W, Sublette County

Dear Ms. Ellis:

The above application for coverage under General Permit to Construct three small waste water treatment facilities consisting of: a North System that serves 14 RV sites and a 3- bedroom house & office, a South System that serves 20 RV sites, a East System that serves 10 Tent sites and a laundry , a RV dump station with holding tank, in accordance with Chapter 3, Section 7 and Chapter 11, Part D of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, the facility in accordance with the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements-outlined in Part V, Section O of the general permit.

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

Sincerely,

Mark Baron, E.I.T.  
Environmental Senior Analyst  
Water Quality Division

Doyle Conklin, P.E.  
Southwest District Engineer  
Water Quality Division

cc: IPS, Cheyenne  
encl: General Permit For a Small Wastewater Facility



The State  
of Wyoming



## Department of Environmental Quality

Jim Geringer, Governor

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7763 FAX 777-5973
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### NOTIFICATION OF COVERAGE

January 03, 2002

Cheyenne Board of Public Utilities  
Attn. Jeff Pecenka, S. Staff Engineer  
2100 Pioneer Avenue  
Cheyenne, Wyoming 82001

RE: Richardson Construction: Building Fire Protection Service Line, Application # 01-474

Dear Mr. Pecenka:

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 in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install, or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit, the condition listed below, and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Additionally, the following project specific condition also applies:

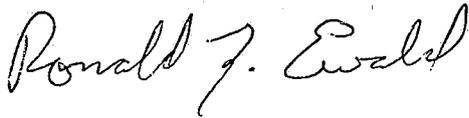
Backflow Prevention - The details of backflow prevention were not specifically discussed in the design submittal. Therefore, the building fire protection service line shall have backflow prevention as recommended by AWWA Standard M14 and in accordance with the DEQ/WQD Rules and Regulations Chapter 12, Section 14(i), and the Cheyenne Board of Public Utilities "Rules & Regulations For Cross Connection & Backflow Prevention." Additionally, all backflow prevention devices shall be approved by the University of Southern California - Foundation for Cross Connection Control (USC-FCCC).

NOC  
Permit #01-474  
Page 2

The approval granted under this Notification Of Coverage and the General Permit shall expire on January 3, 2004. Please reference Application Number 01-474 in any future correspondence.

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

Sincerely,



Ronald L. Ewald  
Environmental Senior Analyst  
Southeast District, Water Quality Division

RLE/bb/2-0020.ltr

Enclosures: Schedule Card  
Certificate of Completion Form

cc: IPS, Cheyenne  
James K. Murphy, A.V.I., p.c., 2035 Westland Road, Cheyenne, Wyoming 82001

# PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO.01-475  
SPECIAL CONDITIONS  
REF/PERMIT NO.96-487

## WPF Finisher Site No. 1 Permeable, Biologically Active, Membrane Lagoon Covers

This permit hereby authorizes the applicant:

Wyoming Premium Farms  
P.O. Box 457  
Wheatland WY 82201

to construct, install or modify permeable, biologically active lagoon covers according to the procedures and conditions of the application number 01-475. The facility is located in SE 1/4 Section 31 T26N R67W in the county of Platte, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by February 11, 2003.

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

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

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

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

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

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.

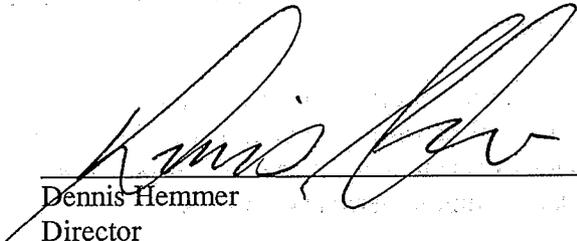
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 notify the DEQ/WQD Southeast District Office by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 5 The applicant will provide immediate oral or written notice to the DEQ/WQD Southeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 5 By September 30, 2002, contact Maggie Davison, Wyoming Solid and Hazard Waste Division, phone 307-777-7746, to start the application process for an on-site landfill disposal of the BIOCAP fabric used for the covers.
- 4 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.
- 5 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Gary Beach  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Dennis Hemmer  
Director  
Department of Environmental Quality

2-13-2002  
Date of Issuance

LBH/bb/2-0480.ltr

cc: Glen Spangler, AQD  
Maggie Davison, SHWD

## STATEMENT OF BASIS

- I. Permit Number: 01-475
- II. Application reviewed for compliance with the following regulations.
- A. Chapter XI. YES
- B. Chapter XII. NO
- III. Basis for issuing permit.
- 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.
- YES
- IV. Facilities not specifically covered by regulations
- A. Identify specific sections of the regulations for which a deviation is approved and briefly summarize the regulation.
- Chapter 11, Section 28, Biological Treatment Ponds and Section 29, feedlots are applicable to the WPF Lagoons. Neither sections discusses lagoon covers. Consequently Section 5 is used as a basis of review for the lagoon covers.
- B. Briefly state the basis for the deviation.
- This approval is based on the detailed results in a report titled "Emission Tests of the BIOCAP Biocover installed on a Colorado Swine Lagoon." authored by Emission Solutions, Inc. and Baumgartner Environics, Inc. This report qualifies as a full scale test as allowed by Section 5(a)(i).
- C. Permit based on general or statewide deviation contained in approved policy statement.
- V. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3.
- NO
- VI. Documentation of Statement of Basis.
- The archives 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 Louis B. Harmon, Southeast District Engineering Supervisor, and completed on February 11, 2002. 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 AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
Herschler Building 4 West  
Cheyenne, Wyoming 82002

PROJECT: WPF Finisher Site No. 1 Permeable, Biologically Active, Membrane Lagoon Covers

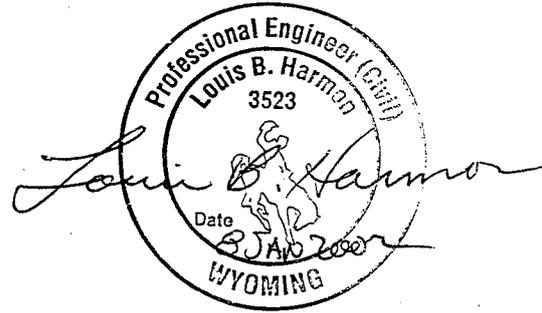
ENGINEER: AVI, p. c.

APPLICANT: Wyoming Premium Farms

WATER QUALITY DIVISION REFERENCE NUMBER: 01-475

REVIEWING ENGINEER: Louis B. Harmon

DATE OF REVIEW: January 8, 2002



**ACTION:** NOT AUTHORIZED FOR CONSTRUCTION. In accordance with Section 9 (a)(ii), 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 9. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

**COMMENTS, INADEQUACIES, AND QUESTIONS:**

1. A design report, plans, and specifications must accompany the application for the permit to construct. This design report and the plans and specifications need to be signed and stamped by the engineer.
2. The design report should address the following issues:
  - a. The anticipated benefits of the cover and how the benefits will be measured.
  - b. I understand that the cover is biologically active. The design report should briefly explain how the cover achieves treatment of the effluent gases to reduce the emissions.
  - c. The performance requirements of the cover, including wind resistance, anchoring requirements, UV resistance, and behavior in ice and snow.
  - d. The expected life of the cover and how the useful life will be determined. The design report should make a statement about whether the cover will be replaced at the end of its useful life.

3. The plans and specifications should include the following details:
  - a. A plan view showing the dimensions of the cover and the lagoon.
  - b. The technical specifications for the cover, including type of material, thickness, and minimum experience of the manufacturer.
  - c. The installation details including anchoring mechanisms and seaming methods.
  - d. How the cover will be disposed of at the end of its useful life.

LBH/bb/2-0090.ltr

# PERMIT TO CONSTRUCT

✓ New  
— Renewal  
Modified

PERMIT NO. 01-476  
SPECIAL CONDITIONS  
REF/PERMIT NO. 95-509, 96-263

## WPF Farrowing Site No. 1 Permeable, Biologically Active, Membrane Lagoon Covers

This permit hereby authorizes the applicant:

Wyoming Premium Farms  
P.O. Box 457  
Wheatland WY 82201

to construct, install or modify permeable, biologically active lagoon covers according to the procedures and conditions of the application number 01-476. The facility is located in SE 1/4 Section 15 T26N R68W in the county of Platte, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by February 11, 2003.

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

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

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

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

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District, State of Wyoming, DEQ, Water Quality Division, Herschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

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.

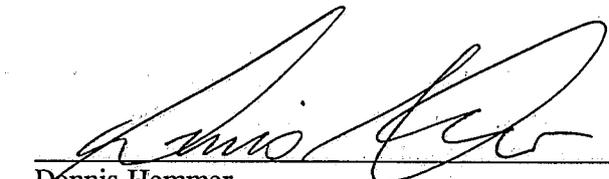
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 notify the DEQ/WQD Southeast District Office by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 5 The applicant will provide immediate oral or written notice to the DEQ/WQD Southeast District Office in accordance with the provisions of Section 11, Chapter 3, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 5 By September 30, 2002, contact Maggie Davison, Wyoming Solid and Hazard Waste Division, phone 307-777-7746, to start the application process for an on-site landfill disposal of the BIOCAP fabric used for the covers.
- 4 of 5 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the DEQ/WQD Southeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.
- 5 of 5 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Gary Beach  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Dennis Hemmer  
Director  
Department of Environmental Quality

2-13-2002  
Date of Issuance

LBH/bb/2-0481.ltr

cc: Glen Spangler, AQD  
Maggie Davison, SHWD

## STATEMENT OF BASIS

Permit Number: 01-476

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. YES

B. Chapter XII. NO

III. Basis for issuing permit.

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.

YES

IV. Facilities not specifically covered by regulations

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

Chapter 11, Section 28, Biological Treatment Ponds and Section 29, Feedlots are applicable to the WPF Lagoons. Neither sections discusses lagoon covers. Consequently Section 5 is used as a basis of review for the lagoon covers.

B. Briefly state the basis for the deviation.

This approval is based on the detailed results in a report titled "Emission Tests of the BIOCAP Biocover installed on a Colorado Swine Lagoon." authored by Emission Solutions, Inc. and Baumgartner Envirionics, Inc. This report qualifies as a full scale test as allowed by Section 5(a)(i).

C. Permit based on general or statewide deviation contained in approved policy statement.

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

NO

VI. Documentation of Statement of Basis.

The archives 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 Louis B. Harmon, Southeast District Engineering Supervisor, and completed on February 11, 2002. 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 AND SPECIFICATIONS  
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION

Herschler Building 4 West  
Cheyenne, Wyoming 82002

PROJECT: WPF Farrowing Site Permeable, Biologically Active, Membrane Lagoon Covers

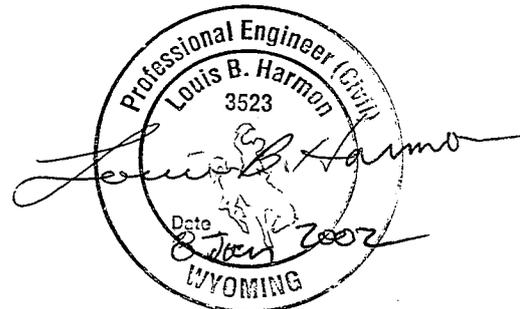
ENGINEER: AVI, p. c.

APPLICANT: Wyoming Premium Farms

WATER QUALITY DIVISION REFERENCE NUMBER: 01-476

REVIEWING ENGINEER: Louis B. Harmon

DATE OF REVIEW: January 8, 2002



**ACTION:** NOT AUTHORIZED FOR CONSTRUCTION. In accordance with Section 9 (a)(ii), 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 9. If the applicant fails to provide the requested information within six months the incomplete application shall be returned.

COMMENTS, INADEQUACIES, AND QUESTIONS:

1. A design report, plans, and specifications must accompany the application for the permit to construct. This design report and the plans and specifications need to be signed and stamped by the engineer.
2. The design report should address the following issues:
  - a. The anticipated benefits of the cover and how the benefits will be measured.
  - b. I understand that the cover is biologically active. The design report should briefly explain how the cover achieves treatment of the effluent gases to reduce the emissions.
  - c. The performance requirements of the cover, including wind resistance, anchoring requirements, UV resistance, and behavior in ice and snow.
  - d. The expected life of the cover and how the useful life will be determined. The design report should make a statement about whether the cover will be replaced at the end of its useful life.

3. The plans and specifications should include the following details:
  - a. A plan view showing the dimensions of the cover and the lagoon.
  - b. The technical specifications for the cover, including type of material, thickness, and minimum experience of the manufacturer.
  - c. The installation details including anchoring mechanisms and seaming methods.
  - d. How the cover will be disposed of at the end of its useful life.

LBH/bb/2-0091.ltr



The State  
of Wyoming



## Department of Environmental Quality

Jim Geringer, Governor

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7761 FAX 777-5973
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### NOTIFICATION OF COVERAGE

January 29, 2002

City of Laramie  
Attn. Harry LaBonde, Jr., City Manager  
P.O. Box C  
Laramie, Wyoming 82073

RE: Regency Drive Water & Sanitary Sewer Extensions, Application No. **01-477**

Dear Mr. LaBonde:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems and Existing Sewage Collection Systems 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 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 which the City already has copies of.

The approval granted under this Notification Of Coverage and the General Permit shall expire on January 31, 2004. Please reference Application Number **01-477** in any future correspondence.

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

Sincerely,

Ronald L. Ewald, Environmental Senior Analyst  
Southeast District, Water Quality Division

E/mad/2-0309-ltr

cc: IPS, Cheyenne

R.D. Juve, City Engineer, P.O. Box C, Laramie, Wyoming 82073

Enclosures: Schedule Card  
Certificate of Completion form



The State  
of Wyoming



## Department of Environmental Quality

Jim Geringer, Governor

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

<b>ADMIN/OUTREACH</b> (307) 777-7758 FAX 777-3610	<b>ABANDONED MINES</b> (307) 777-6145 FAX 777-6462	<b>AIR QUALITY</b> (307) 777-7391 FAX 777-5616	<b>INDUSTRIAL SITING</b> (307) 777-7369 FAX 777-6937	<b>LAND QUALITY</b> (307) 777-7756 FAX 777-5864	<b>SOLID &amp; HAZ. WASTE</b> (307) 777-7752 FAX 777-5973	<b>WATER QUALITY</b> (307) 777-7761 FAX 777-5973
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### NOTIFICATION OF COVERAGE

January 9, 2002

Mr. Jim Drinkhouse, City Manager  
City of Rawlins  
P.O. Box 593  
Rawlins WY 82301

RE: Rawlins Golf Course Sewer Line Extensions, Application No.01-478, Carbon County

Dear Mr. Drinkhouse:

The above application for coverage under General Permit to Construct, Install, Modify, or Operate Extensions to Modifications of Existing Sewage Collection Systems in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No.01-478 in any future correspondence.

The City of Rawlins is encouraged to consider taking advantage of the flat sewer grade policy of the Wyoming Water Quality Division to raise the invert at the discharge into MH Sta. 17+74 from the sewer line from the clubhouse. If the City of Rawlins chooses to make this modification to the approved plans, please submit as-built drawings signed by the engineer with the certificate of completion.

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

Sincerely,

Louis B. Harmon PE-PG  
Southeast District Engineer  
Water Quality Division

LBH/bb/2-0108.ltr  
enclosure: Wyoming DEQ/WQD Flat Grade Sewer Policy 13.9.13  
c IPS, Cheyenne

Claudia Torrence, WWC Engineering  
611 Skyline Road  
Laramie WY 82070



The State  
of Wyoming



## Department of Environmental Quality

Jim Geringer, Governor

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7761 FAX 777-5973
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### NOTIFICATION OF COVERAGE

January 16, 2002

Mr. Herman Noe, Manager of Engineering  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003-1469

RE: Cheyenne BOPU Early 2002 Sewer Rehabilitation Project, Application No.01-479

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Sewage Collection Systems in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the sewage collection system in accordance with Chapter 11, Section 9 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No. 01-479 in any future correspondence.

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

Sincerely,

Louis B. Harmon PE-PG  
Southeast District Engineer  
Water Quality Division

LBH/mad/2-0188-ltr  
cc: IPS Cheyenne

Robert S. Cowley, A.V.I. p.c.  
2035 Westland Road  
Cheyenne WY 82001



The State  
of Wyoming



## Department of Environmental Quality

Jim Geringer, Governor

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

ADMIN/OUTREACH (307) 777-7758 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5516	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	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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### NOTIFICATION OF COVERAGE

January 17, 2002

Mr. Herman Noe, Manager of Engineering  
Cheyenne Board of Public Utilities  
P.O. Box 1469  
Cheyenne WY 82003-1469

RE: Cheyenne BOPU Early 2002 Water Distribution Rehabilitation Project, Application No.01-480

Dear Mr. Noe:

The above application for coverage under General Permit to Construct, Install, Modify or Operate Extensions to or Modifications of Existing Public Water Supply Distribution Systems in accordance with Chapter 3, Section 9 of the Wyoming Water Quality Rules and Regulations has been reviewed and is hereby approved. You are authorized to construct, install or modify the water distribution system in accordance with Chapter 12, Section 14 of the Water Quality Division Rules and Regulations, the general permit and the materials submitted in your application package. Your attention is directed to the mandatory reporting requirements outlined in Part V, Section O of the general permit. Please reference Application No.01-480 in any future correspondence.

**Additional Special Condition:** All connections (reconnections) of service lines to the new or replaced water lines must conform to standards for backflow prevention as set forth in Water Quality Division Regulations Chapter 12, Section 14(i) and the City of Cheyenne Backflow Ordinance. This means that the appropriate backflow prevention device required by Chapter 12 must be in place and tested by a certified tester before the service connection is returned to use on the new or rehabilitated water main.

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

Sincerely,

Louis B. Harmon PE-PG  
Southeast District Engineer  
Water Quality Division

H/mad/2-0215-ltr

cc: IPS, Cheyenne  
Robert S. Cowley, A.V.I. p.c.  
2035 Westland Road  
Cheyenne, WY 82001

## PERMIT TO CONSTRUCT

X New  
\_ Renewal  
\_ Modified

PERMIT NO. 01-481R  
SPECIAL CONDITIONS

### Dubois Well No. 7 Chlorination System

This permit hereby authorizes the applicant:

Bob Baker, Mayor  
Town of Dubois  
P.O. Box 555  
Dubois, WY 82513

to construct a hypochlorination system on water well number 7 according to the procedures and conditions of application number 01-481R. The facility is located in NW 1/4 Section 7, T41N, R106W in the county of Fremont, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by January 28, 2004.

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

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

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

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

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Mark Baron, Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, Wyoming 82520; (307) 332-3144; FAX (307) 332-3183.

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

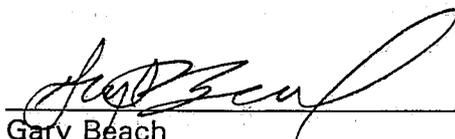
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

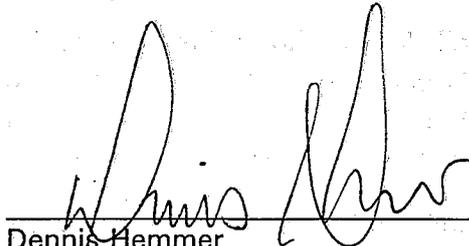
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization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

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

- 1 of 4 The applicant will notify the Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4 The applicant will provide immediate oral and/or written notice to the Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, 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.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northwest District, State of Wyoming, DEQ, Water Quality Division, 250 Lincoln Street, Lander, WY 82520; on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Gary Beach  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Dennis Hemmer  
Director  
Department of Environmental Quality

1-31-02  
\_\_\_\_\_  
Date of Issuance

## STATEMENT OF BASIS

General information.

Permit Number: 01-481R

II. Application reviewed for compliance with the following regulations.

A. Chapter 11. No

B. Chapter 12. Yes

III. Basis for issuing permit.

A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section 2.

No

B. Permit includes deviation from applicable regulations in accordance with Section 5, Chapter 11, or 12.

No

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

No

IV. Facilities not specifically covered by regulations.

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

Chapter 12, Section 10 (K)(i)(B) requires a chlorinator capacity of 5 mg/l dose.

B. Briefly state the basis for the deviation.

The 5 mg/l dose can be met if an appropriate hypochlorite solution is used.

C. Permit based on general or statewide deviation contained in approved policy statement

No

V. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter 3<sup>1</sup>.

N/A

VI. If Section 17 of Chapter 3 is applicable, indicate the basis of determining groundwater will be protected. (Fill out only the applicable sections and indicate sections that are not applicable.)

N/A

VII. Documentation of Statement of Basis.

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

#### CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter 3, Wyoming Water Quality Rules and Regulations. This review was performed by Mark Baron, Environmental Senior Analyst, and completed on January 28, 2002. 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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<sup>1</sup>Sediment ponds, public water supplies, sewerage systems and small wastewater systems are exempt from the requirements of Section 17.

# PERMIT TO CONSTRUCT

New  
— Renewal  
Modified

PERMIT NO. 01-482  
SPECIAL CONDITIONS

## SECTION FOUR WATER SYSTEM PWS NO. NOT ASSIGNED

This permit hereby authorizes the applicant:

RAG Coal West Eagle Butte Mine  
PO Box 3040  
Gillette, WY 82717-3040

to construct and install a privately owned water supply storage tank and improvements according to the procedures and conditions of the application numbers 01-482. The facility is located in the NW/4SW/4 of Section 4 T50N R72W in the county of Campbell, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by January 14, 2003.

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

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

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

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

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: DEQ/WQD, Casper WDEQ Field Office, 3030 Energy Lane, Casper, WY 82604, telephone (307) 473-3452; FAX (307) 473-3458.

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.

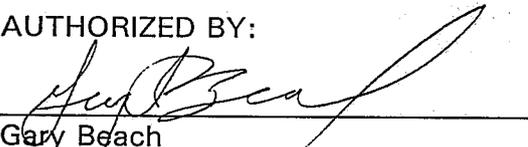
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

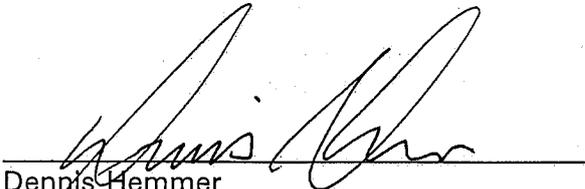
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 4 The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4 The applicant will provide immediate oral and/or written notice to the Northeast District Office in accordance with the provisions of Section 11, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to the Northeast District Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate. All modifications or deviations from the authorized plans must be highlighted.
- 4 of 4 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Gary Beach  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Dennis Hemmer  
Director  
Department of Environmental Quality

1-16-02  
\_\_\_\_\_  
Date of Issuance

JDL/mad/2-0179-ltr

Enclosures: Construction Notice Post Card, Certificate of Completion and Statement of Basis

## STATEMENT OF BASIS

General information.

A. Permit Number: 01-482

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

A. Chapter 11 No

B. Chapter 12 Yes

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

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

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.)

N/A

B. Briefly state the basis for the deviation.

N/A

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).

N/A

- V. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

- VI. If Section 17 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:

N/A

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

N/A

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

N/A

- 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:

N/A

- 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:

N/A

- 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.

N/A

- 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.

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

N/A

I. Documentation of Statement of Basis.

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

CERTIFICATION

The issuance of this permit is based upon a review of the application package submitted in accordance with the requirements of Section 6, Chapter III, Wyoming Water Quality Rules and Regulations. This review was performed by Dennis Lamb, NE District Water & Wastewater Supervisor, and completed on January 9, 2002. 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."

## PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 01-483  
SPECIAL CONDITIONS  
REF/PERMIT NO. 95-017, 95-118, 95-416

### 3M Trout Ranch Inc. Swine Feeding, Waste Storage and Land Application Areas

This permit hereby authorizes the applicant:

3M Trout Ranch Inc.  
P.O. Box 67  
Albin WY 82050

to assume ownership of the 12,750 swine (5100 animal unit) in Section 33 T17N R60W and the 12,000 feeder pig (4000 swine or 1600 animal unit) confined swine feeding operations, waste collection, storage and treatment lagoons and land application of swine wastes, and operate it according to the procedures and conditions of this permit number 01-483, as derived from the reference permit numbers 95-017, 95-118, and 95-416. The facility is located in all or part of Sections 26, 27, 33, 34, 35 T17N R60 W, Section 3 T16N R60 W in the county of Laramie, in the State of Wyoming.

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 the Wyoming DEQ guarantees or ensures that the permitted facility will meet applicable permit conditions or other effluent or operational requirements. Compliance with discharge and land application standards remains the responsibility of the permittee.

Nothing in this permit constitutes an endorsement by the DEQ of the construction, design or operation of the facility described herein. 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, maintenance or operation of the permitted facility. By issuing this permit, the state does not waive its sovereign immunity.

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

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

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

The permittee shall operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of this permit, 01-483; referenced permits 95-017, 95-118, 95-416 as modified by this permit, 01-483; and applicable supporting documents. 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:

**Conditions from Permit 95-017 Signed June 9, 1995**

Permit 95-017 had 11 numbered conditions. The numbered conditions of the permit that have been satisfied or are no longer applicable are 1 of 11, 2 of 11, 3 of 11, 6 of 11, 7 of 11, 9 of 11. Conditions 4 of 11, 5 of 11, 8 of 11, 10 of 11, and 11 of 11 have been carried forward and renumbered as conditions of this permit.

**Conditions from Permit 95-118 Signed May 2, 1995.**

Permit 95-118 had 8 numbered conditions. The numbered conditions of the permit that have been satisfied or are no longer applicable are 1 of 8, 2 of 8, 3 of 8, and 8 of 8. Conditions 4 of 8, 5 of 8, 6 of 8 and 7 of 8 have been carried forward and renumbered as conditions of this permit.

**Conditions from Permit 95-416 Signed September 18, 1995.**

Permit 95-416 had 5 numbered conditions. All conditions have been satisfied or are no longer applicable.

- 1 of 8 This permit is based on the drawdown cone and radius of influence from the production well known as Malm 3-1 P7479W Relocated to the SE 1/4 Section 34 T17N R60W being pumped at a minimum rate of 400 gpm at all times. A report done by Lidstone & Anderson dated March 2, 1995 and submitted with the application package illustrates that the drawdown cone and radius of influence for the production well will be such that groundwater will be protected.
- 2 of 8 If the hog feeding operation shuts down for 30 days or more, the wastewater lagoon or lagoons shall be emptied and all sludges removed and properly disposed of. The production well shall maintain a minimum pumping rate of 400 gpm during intermittent or permanent shutdown of the hog feeding facilities. The well shall maintain the minimum pumping rate until the permittee demonstrates that contamination from any hog operation sources has been removed from the groundwater.
- 3 of 8 In order to verify the groundwater modeling and to show that groundwater is being protected, the following procedures for groundwater monitoring and sampling shall be followed for the wells listed.
- a. The following four wells shall be monitored for static water levels and for nitrates as N. The wells shall be measured and sampled on a semiannual basis before and after the irrigation season.

<u>Well Name</u>	<u>Permit Number</u>
3M Trout Nebraska Well	
Malm 3-1 (relocated)	P7479W
Anderson #2	P6845W
Malm 33-1	P2712

- b. The amount of water pumped from the production well on a monthly basis and the amount of water pumped from the other wells on an annual basis shall be measured and reported.
- c. The report shall have a cover sheet referencing this permit, 01-483. The information gathered from the wells shall be correlated and placed in an annual report to be submitted to DEQ/WQD. The report shall have a cover sheet referencing this permit, 01-483. The report shall include a map showing the location of all wells being sampled as well as all major physical features such as roads and buildings. The contours of the groundwater surface shall be shown at 10 foot intervals. The four wells shall be annotated on the map with the well name, the spring static level, and the fall static level.

(This condition replaces Condition 10 of 11 to permit 95-017. Modifications are made based on the knowledge gathered from the collection of 6 years of data for the operation.)

4 of 8 If the total nitrate as N is 10 mg/l or greater in any well, the permittee shall conduct an analysis to determine the cause of the elevated levels of nitrates. If the measured water table elevations and nitrate sampling of wells do not indicate complete recapture of any contamination plume emanating from the permitted swine operations, the permittee will be required to develop and implement a corrective action plan. This plan must be approved and any construction permitted by DEQ before implementation. (This condition replaces part of Condition 10 of 11 and all of condition 11 of 11 to permit 95-017. Modifications are made based on the knowledge gathered from the collection of 6 years of data for the operation.)

5 of 8 All solid swine manure wastes generated by the operations allowed by this permit shall be disposed of in the following fashion:

(a) Buffer zone.

- a. A buffer zone of 200 feet is required between a land application site and current residential, commercial, school, or industrial development lands where solid manure is to be spread.
- b. Solid manure shall not be land applied within 200 feet of a perennial or intermittent water body or water well permitted for current domestic purposes.
- (iii) Solid manure shall not leave the property where it is applied.

(b) Pathogen controls:

- (i) Solid manure wastes shall not leave the application site when solid manure wastes are land applied.
  - c. Solid manure wastes shall be applied only to lands with a low potential for public contact with the solid manure wastes or the soil. This restriction does not preclude hunting or fishing.
  - (iii) Crops shall not be harvested for 30 days after the application of solid manure wastes.
  - d. Direct human consumption crops, which are consumed fresh, shall not be harvested for one (1) year after the application of solid manure wastes.
  - e. Turf grass or sod grown on land where solid manure wastes are applied shall not be harvested for landscaping for one year after application of solid manure wastes.
- (c) Solid manure wastes may be sold or given away. The permittee must maintain a record of who received solid manure and the amount received. The permittee must assure that the use of the solid manure complies with the requirements of this condition.

6 of 8 The waste water piping and the irrigation well connections shall be completed and maintained in accordance with the attached Water Quality Division Policy 13.29.3, Use of Chemigation Check Valves for Well Head Protection. This policy allows the use of agricultural chemigation valves in addition to the reduced pressure backflow prevention devices permitted in permit 95-118. Either device must be protected by downstream low pressure relief valves to eliminate the possibility of valve damage due to freezing.

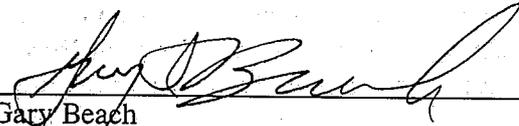
7 of 8 The following conditions shall apply to all land application of liquid swine wastes:

- a. Any groundwater wells shall be protected from backflow in accordance with the attached Water Quality Division Policy 13.29.3.
- b. The land application rates shall be limited for both hydraulic loading and nutrient loading. The total nitrogen available in the soil after harvest plus nitrogen applied from all sources during the following growing year shall not exceed the anticipated nitrogen uptake of the crop seeded.

- c. Directly edible crops, such as dry beans and potatoes, may not be irrigated with liquid animal wastes.
- d. The hydraulic loading shall not exceed the transevaporation plus the assimilative capacity of the soil. The total amount of water applied, including precipitation, shall be recorded and reported in the annual report.
- e. Center pivot irrigated lands receiving land application of liquid swine wastes shall be divided into quadrants. Each quadrant shall be considered a management parcel.
  - (a) A soil test for irrigated land shall consist of three samples tested individually. Each sample shall be a composite from four locations within the management parcel. One sample shall be from the 0" to 6" depth, one sample from the 6" to 24" depth, and one sample for the 24" to 48" depth. If test results of the 24"-48" horizon indicate increasing nutrient levels, additional sampling shall be conducted of the 48" to 72" horizon.
  - (b) Standard soil tests shall be taken, including analysis for phosphorus and Nitrate as N reported as parts per million and as pounds per acre for the horizon represented by the sample.
- f. The nutrients supplied by a land application plus the residual nutrients in the soil shall not exceed the agronomic requirements of the crop to be seeded.
- g. The liquid applied by an application of animal wastes shall not exceed the retention capacity of the upper 12 inches of the soil less the pre-existing moisture content of the soil. The liquid application rates shall be adjusted as necessary for the most restrictive soil type within a management parcel.
- h. The amount of phosphorus present in the upper 12 inches of soil shall be monitored using tests appropriate for the soil pH. If the phosphorus loading exceeds 300 pounds per acre, additional soil testing shall be undertaken to evaluate the potential for deleterious salt and alkali accumulations.
- i. If phosphorus loading exceeds 300 pounds per acre or deleterious amounts of salt accumulate, land application to that management parcel shall stop until the parameter of concern is remedied.
- j. An annual report shall be submitted to the Water Quality Division. The annual report shall include all soil sampling results, analysis of the liquid animal wastes applied, the amounts of commercial fertilizers applied, the crops planted, crop yields and an analysis of all plant nutrients tested, which shall include phosphorus and potassium in addition to nitrogen.

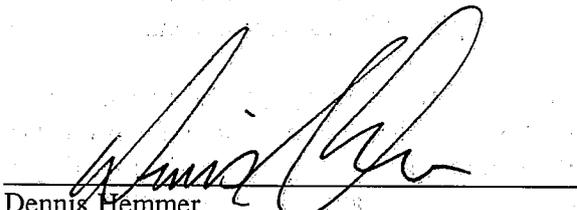
8 of 8 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:



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Gary Beach  
Administrator  
Water Quality Division



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Dennis Hemmer  
Director  
Department of Environmental Quality

2-6-02  
Date of Issuance

LBH/bb/2-0302.ltr

enclosure: DEQ/WQD Policy 13.29.3

cc: Laramie County Commissioners

Don Heskett, P.O. Box 127, Albin, WY 82050

STATEMENT OF BASIS

Permit Number: 01-483

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. YES

B. Chapter XII. NO

III. Basis for issuing permit: Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.

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

YES

V. If Section 17 of Chapter 3 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:

N/A

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

N/A

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

N/A

D. 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:

The permit is based on groundwater modeling which indicated that all contamination entering the groundwater from the wastewater ponds will be captured by the Malm 3-1 P7479W Relocated well. The Malm 3-1 P7479W Relocated is located approximately one mile downgradient and must be pumped at a minimum of 400 gpm at all times. The pumping rate for the Malm 3-1 P7479W Relocated well may be increased depending upon demand, however it will not be less than the 400 gpm.

E. 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.

This permit allows the nitrates as N concentrations in the unconfined aquifer underlying the site to exceed the Chapter 8 standard of 10 ppm of nitrates as N. The limits of the allowable impact are the portions of Sections 33,34,35 T17N R60W that is owned by 3M Trout Ranch Inc. or subject to land application agreements benefitting the permit. The cone of drawdown produced by the continuous pumping of Malm 3-1 P7479W Relocated well will confine the impacted waters of the aquifer to Sections 33,34,35 T17N R60.

F. 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.

The permit requires that the wells in the table below be monitored to verify the groundwater model and to verify that the groundwater is not impacted beyond the limits of Sections 33,34,35 T17N R60W. All four wells will be monitored for static water levels and nitrogen. The annual water production will be reported for the Malm 3-1 (relocated) well and irrigation wells in the land application areas. Monitoring shall be required until such time as the department is satisfied the groundwater modeling is accurate and that adverse impacts to the aquifer have been restored to U.S. Safe Drinking Water Standards.

<u>Well Name</u>	<u>Permit Number</u>
3M Trout Nebraska Well	
Malm 3-1 (relocated)	P7479W
Anderson #2	P6845W
Malm 33-1	P2712

VI. Documentation of Statement of Basis.

- The archives 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 Louis B. Harmon, Southeast District Engineering Supervisor, and completed on January 29, 2002. 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."

LBH/bb/2-0302.ltr

# PERMIT TO CONSTRUCT

— New  
— Renewal  
X Modified

PERMIT NO. 01-484  
SPECIAL CONDITIONS  
REF/PERMIT #99-185  
#01-175

Bridger Valley JPB Water Treatment Plant  
PWS#WY5600757

This permit hereby authorizes the applicant:

Bridger Valley JPB  
ATTN: Roger Kesterson, Chairman  
Bridger Valley Joint Powers Board  
PO Box 615  
Mountain View, WY 82939

to construct, install or modify a water treatment plant, according to the procedures and conditions of the application number 01-484. The facility is located in SE/4, Section 27, Township 15 North, Range 115 West in the county of Uinta, in the State of Wyoming. All construction, installation, or modification allowed by this permit shall be completed by 2/1/2007.

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

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

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

The permittee shall allow authorized representatives from the DEQ, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

The permittee shall notify representatives from the DEQ, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: SRF Program, State of Wyoming, DEQ, Water Quality Division, Hirschler Building, 4th Floor West, 122 West 25th Street, Cheyenne, Wyoming 82002; telephone (307) 777-7781; FAX (307) 777-5973.

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.

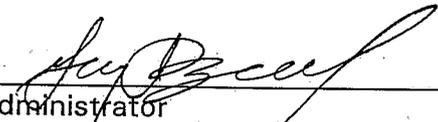
The issuance of this permit does not convey any property rights in either real or personal property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations.

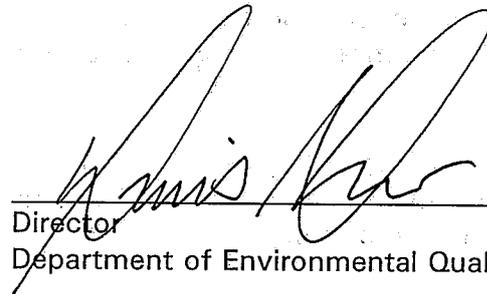
The permittee shall construct and operate the permitted facility in accordance with the statements, representations, procedures, terms and conditions of the permit application, supporting documents and permit. This permit does not relieve the permittee from any duty to obtain any other permit or authorization 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 4. The applicant will notify the appropriate district office of the Water Quality Division, Department of Environmental Quality, by the attached post card of the date construction will begin and the estimated completion date.
- 2 of 4. The applicant will provide immediate oral and/or written notice to the Cheyenne Office in accordance with the provisions of Section 9, Chapter III, Wyoming Water Quality Rules and Regulations of any changes or modifications which are not consistent with the terms and conditions of this permit.
- 3 of 4. Within sixty days of completion of construction of the authorized facility, the applicant will submit to Cheyenne Office on the form provided (CERTIFICATION OF COMPLETION), the following information:
  - a. Date that construction of the facility was completed; and
  - b. Date that the facility was placed in operation; and
  - c. Certification the facility was constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the facility was completed with changes or modifications. Submittal of as-constructed plans and specifications for the system as it was constructed, certified by an engineer if appropriate.
- 4 of 4. The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

AUTHORIZED BY:

  
\_\_\_\_\_  
Administrator  
Water Quality Division

  
\_\_\_\_\_  
Director  
Department of Environmental Quality

01-31-02  
\_\_\_\_\_  
Date of Issuance

STATEMENT OF BASIS

- I. General information.
  - A. Permit Number: 01-484
- II. Application reviewed for compliance with the following regulations. (Indicate yes or no for each section.)
  - A. Chapter XI. No
  - B. Chapter XII. Yes
- III. Basis for issuing permit. (Indicate yes or no for each section.)
  - A. Review of application package indicates proposed facility will be in compliance with applicable regulations identified in Section II.  
Yes
  - B. Permit includes deviations 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.  
N/A
  - B. Briefly state the basis for the deviation.  
N/A
  - 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).  
N/A
- V. Application requires review to determine groundwater impacts in accordance with Section 17, Chapter III<sup>1</sup>. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

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

N/A

VII. Documentation of Statement of Basis.

- A. The archives 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 Phillip Stump, Senior Environmental Analyst, and completed on January 29, 2002. 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."

51933.DOC



The State  
of Wyoming



## Department of Environmental Quality

Jim Geringer, Governor

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

ADMIN/OUTREACH (307) 777-7756 FAX 777-3610	ABANDONED MINES (307) 777-6145 FAX 777-6462	AIR QUALITY (307) 777-7391 FAX 777-5616	INDUSTRIAL SITING (307) 777-7369 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 777-5864	SOLID & HAZ. WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7761 FAX 777-5973
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January 29, 2002

Roger Kesterson, Chairman  
Bridger Valley Joint Powers Board  
PO Box 615  
Mountain View, WY 82939

RE: WDEQ/WQD's Permit to Construct WQD#01- 484 Modification

Dear Mr. Kesterson:

Mr. Frank Grimes (Nelson Engineering) submitted a request to modify Permit to Construct #01-175 on December 20, 2001. In response to WDEQ and U.S. EPA Region VIII comments, Mr. Frank Grimes submitted a letter dated January 10, 2002. Due to Giardia inactivation requirements, your letter described the operation of the 0.5 MG finished water storage tank. Your letter stated that the storage tank low level set point is 6951 ft.. The automated PLC will operate the water treatment plant to maintain over 200,000 gallons of water in the tank; thereby, providing adequate contact time presently, during winter and summertime at a free chlorine residual of 1.2 mg/l. A lower variance to this minimum water level set point would require pre-approval of the WDEQ and U.S. EPA Region VIII. Installation of a new finished water tank in the future would allow for more conservative operations that easily meet the Giardia inactivation requirements as water supply demands increase in the future. The Wyoming Department of Environmental Quality/Water Quality Division (WDEQ/WQD) hereby approves this modification.

Please call me directly about any questions regarding this letter (307.777.7267).

Sincerely,

*Phillip Stump*  
Phillip Stump, P.E.  
Water Quality Division

PBS/mad/2-0311-ltr

Enclosure: Chapter III Permit to Construct No. 01-484

cc: Brian Mark, Program Principal, SRF Program  
Doyle Conklin, WQD Lander  
Mike Hackett, WWDO  
Mindy Mohr, USEPA Region VIII, 8P-W-MS  
Frank Grimes, Nelson Engineering, Nelson Engineering, PO Box 1599, Jackson, WY 83001(encl)

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# FAX Cover Sheet

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Department of Environmental Quality/Water Quality Division  
Herschler Building, 122 West 25<sup>th</sup> Street 4-W, Cheyenne, WY 82002  
Tel. 307 777 6371, FAX 307 777 5973

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No. of Pages (including this cover): 1 Date: January 8, 2002 FAX No.: 307-733-4179

To: Frank Grimes, Nelson Engineering  
From: Phil Stump, WDEQ/WQD *PS.*  
cc: Mindy Mohr, EPA Region VIII  
encl :  
Comments: *01-484*

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In speaking with Ms. Mindy Mohr, Region VIII, Safe Drinking Water Program on Jan. 8, 2002, there were a few questions that we have for you.

1. Could you provide a very rough schematic of the existing 0.5 MG tank? Your December 20, 2001 letter indicated that most of the water discharges out of the top of the inlet pipe about 15 feet above the floor. How is the tank outlet pipe constructed inside the tank? What height is the outlet at and how far does it extend into the tank?
2. Could you describe how the automatic level controller in the tank detects water level and maintains a specific operating height? You had indicated that the operators could adjust this operating height. What is the minimum allowable level that the operators can set as the operating height? I know you discussed this during an earlier conversation, but we hoped you could document a description of the operation.
3. Your December 20, 2001 letter illustrated two extreme condition scenarios: 1) summertime flow, winter time temp, and 2) winter flow, late summer pH. Your letter stated that these scenarios are not very likely. Could you propose the most extreme conditions that are likely to occur? These extreme conditions may set the minimum allowable level in the tank with the conservative assumption of poor mixing in the tank ( $T_{10}/T = 0.2$ )

Please call about any questions that you have. I can be reached directly at 307-777-7267. Mindy Mohr can be reached at 307-312-6525.

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