

PERMIT TO CONSTRUCT

New  
Renewal  
 Modified

PERMIT NO. 94-551  
SPECIAL CONDITIONS  
Reference 94-194

Burns Replacement Wells

This permit hereby authorizes the applicant:

Burns Utility Board  
P.O. Box 24  
Burns, WY 82053

to construct, install or modify a water well for the publicly owned distribution system according to the procedures and conditions of the application number 94-551. The facility is located in SE 1/4 Section 7, T14N, R62W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, 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.

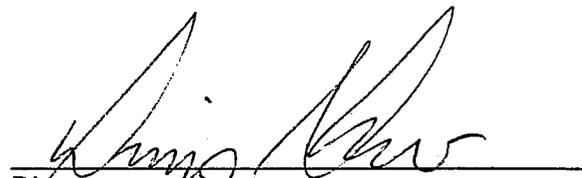
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Office,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

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

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.

AUTHORIZED BY:

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

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

12-23-94  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

#### SPECIAL CONDITIONS

- 1 of 6 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 6 The applicant will provide immediate oral and/or written notice to 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 6 Within sixty days of completion of construction of the authorized facility, the applicant will submit to 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.

4 of 6 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".

5 of 6 This permit does not replace Permit To Construct 94-194 but allows the construction of one additional well to Permit 94-194.

6 of 6 All permit conditions under Permit No. 94-194 shall be adhered to for the installation of the well under Permit No. 94-551.

GLS/bb/45884.ltr

## STATEMENT OF BASIS

### I. General information.

A. Permit Number: 94-551

### 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 deviation from applicable regulations in accordance with Section 5, Chapter XI, or XII.

No

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

No

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

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

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 15, Chapter III. See footnote. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

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

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.

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

GLS/bb/45884.ltr

THE STATE



OF WYOMING

MIKE SULLIVAN  
GOVERNOR



## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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December 20, 1994

Mr. John Meldrum  
Burlington Northern Railroad  
373 Inverness Dr. South  
Englewood, CO 80112

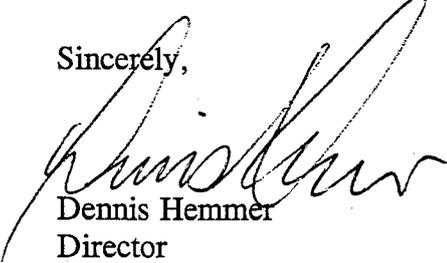
RE: As-Built Permit To Construct, WQD Reference Number 94-552

Dear Mr. Meldrum:

The Department of Environmental Quality/Water Quality Division (DEQ/WQD) has reviewed the referenced As-Built Application submitted by your consultant, ERM - Rocky Mountain Inc.. Our review indicates that the application appears to meet DEQ/WQD regulations and the enclosed As-Built Permit To Construct is hereby issued. The enclosed permit covers the monitoring wells which have already been constructed.

Please be advised that the system must be constructed, installed and operated in accordance with the statements, representations and procedures presented in the application and all supporting documentation as well as the terms and conditions of the permit. You are urged to be familiar with all aspects of the permit application, permit and permit conditions. Any person objecting to an action of the DEQ/WQD and desiring affirmative relief may request a hearing before the Environmental Quality Council in accordance with the procedures in the enclosed Rules of Practice and Procedure and the Wyoming Administrative Procedures Act.

Sincerely,

  
Dennis Hemmer  
Director  
Department of Environmental Quality

DH/GLS/nc 45821.LTR  
Enclosure

**AS - BUILT**  
**PERMIT TO CONSTRUCT**

- New  
 Renewal  
 Modified

Permit No. 94-552  
\* **CONDITIONED** \*

**Burlington Northern Railroad Derailment Site, Mile Post 149.6**  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Burlington Northern Railroad

373 Inverness Dr. South

Englewood, CO 80112

to have constructed a series of groundwater monitoring wells according to the procedures and conditions of the application No. 94-552. The facility is located in SE 1/4 Section 5, T32N, R71W in the County of Converse, in the State of Wyoming.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, 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.

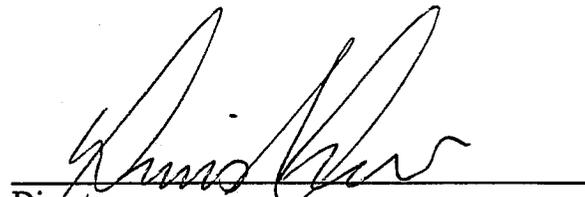
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 122 W 25th Street, Herschler Bldg., 4 West, Cheyenne, WY 82002; telephone, 777-7781.

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

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.

AUTHORIZED BY:

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

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

12-23-94  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

SPECIAL CONDITIONS

- 1 of 13    The applicant will provide immediate oral and/or written notice to Water Quality Division, 122 W 25th Street, Herschler Bldg., 4 West, Cheyenne, WY 82002, (307) 777-7781, 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.

Permit to Construct 94-552

- 2 of 13 Within sixty days of completion of construction of the authorized facility, the applicant will submit to Water Quality Division, 122 W 25th Street, Herschler Bldg., 4 West, Cheyenne, WY 82002, on the form provided (CERTIFICATION OF COMPLETION), the following information.
- a. Date that construction of the monitor wells was completed; and
  - b. Date that the monitor wells were placed in operation; and
  - c. Certification the monitor wells were constructed in accordance with the terms and conditions of the permit; or
  - d. Certification the monitor wells were 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.
- 3 of 13 The review and approval of this permit is based upon the items identified in the attached "Statement of Basis".
- 4 of 13 Additional wells meeting the requirements of this permit may be installed if prior approval is received from the Water Quality Division (WQD).
- 5 of 13 Monitoring well/piezometer construction must meet the requirements of Chapter XI Wyoming Water Quality Rules and Regulations. Monitoring well/piezometer casings shall meet the conditions provided in Chapter XI, Section 67. All monitoring wells/piezometers must be constructed from materials free of material having the potential to contaminate groundwater samples.
- 6 of 13 Borehole cuttings must be screened and disposed of properly. Contaminated cuttings must be disposed of at a site approved by the DEQ's Solid and Hazardous Waste Management Division.
- 7 of 13 Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells/piezometers prevented by physical limitations to adherence to the requirements on minimum depths of seal below the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.
- 8 of 13 After the monitoring wells/piezometers have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with city and/or highway department requirements. No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division.

Permit to Construct 94-552

- 9 of 13 Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells/piezometers shall be reported immediately to the division. The wells shall be clearly numbered using either a stamp to permanently engrave the number into the steel top or by writing the number in the wet concrete of the base.
- 10 of 13 The applicant is responsible for obtaining any permits required by the State Engineer's Office (777-7354).
- 11 of 13 The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required by the WQD. An adequate number of wells/piezometers shall be installed to define the nature and extent of the contamination.
- 12 of 13 Water which is collected during monitoring well/piezometer development or sampling must be disposed of properly. The applicant must contact the city for authorization to dispose into the local storm sewer, sanitary sewer, wastewater treatment plant, or other facility.
- 13 of 13 The results of any analyses conducted on soil or water removed from these wells/piezometers or boreholes shall be provided to the department as soon as they are available.

GLS/nc 45821.LTR

## STATEMENT OF BASIS

I. General information.

A. Permit Number: 94-552

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

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

N/A

- V. If Section 15 of Chapter III is applicable, indicate the basis of determining groundwater will be protected.

- 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. Briefly describe:

N/A

- E. Discharge may 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

Statement of Basis  
94-552

- G. Briefly describe monitoring system. 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.

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.

GLS/nc 45821.LTR

THE STATE



OF WYOMING

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

July 10, 1997

Mr. Dan Woerz, President  
Warm Springs Water District  
P.O. Box 1390  
Dubois, WY 82513

AW

RE: Permit Application #94-553

Dear Mr. Woerz:

As per my July 9, 1997, phone call with your engineer, Robert Ablondi of Jorgensen Engineering, your application is considered withdrawn and is being returned since Mr. Ablondi indicated that the Warm Spring Water District does not wish to proceed with the permit to construct an emergency well connection. The well is expected to be put into service with the balance of the water system that is currently under review as permit application 97-177.

This project has not been permitted. Construction of this facility without a permit is a violation of the Environmental Quality Act and punishable with fines not to exceed \$10,000 per day of violation. If this project has already been constructed, it is your responsibility to immediately contact this office for further instruction. If you wish to reconsider construction of this facility, then application procedures pursuant to Chapter III, Water Quality Rules & Regulations, must be followed.

Sincerely,

Jeff Hermansky  
Northwest District Supervisor

enclosure: Application forms  
xc: WQD, IPS, Cheyenne  
file (2)



**JIM GERINGER**  
GOVERNOR

## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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March 22, 1995

Carrie Stiegler  
Olympic Sports Plaza  
P.O. Box 269  
Teton Village, WY 83025

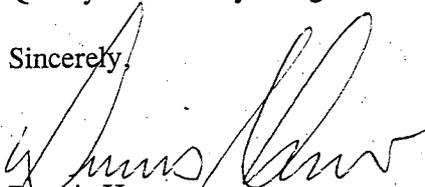
RE: As-Built Permit to Construct, WQD Reference Number 94-554RR

Dear Mrs. Stiegler:

The Department of Environmental Quality/Water Quality Division (DEQ/WQD) has reviewed the referenced As-Built Application submitted by your engineer, Jorgensen Engineering. Our review indicates that the application appears to meet DEQ/WQD regulations and the enclosed As-Built Permit To Construct is hereby issued. The enclosed permit covers the leachfields which have already been constructed as well as the groundwater monitoring wells which are to be constructed.

Please be advised that the system must have been constructed, installed and be operated in accordance with the statements, representations and procedures presented in the application and all supporting documentation as well as the terms and conditions of the permit. You are urged to be familiar with all aspects of the permit application, permit and permit conditions. Any person objecting to a permit issued by the DEQ and desiring affirmative relief may request a hearing before the Environmental Quality Council in accordance with the Rules of Practice and Procedure for the Department of Environmental Quality and the Wyoming Administrative Procedures Act.

Sincerely,

  
Dennis Hemmer  
Director  
Department of Environmental Quality

DH/JH/jyi/nc 51269.LTR  
Enclosure

xc: Plans (3)  
File (2)

**AS - BUILT**  
**PERMIT TO CONSTRUCT**

- New  
 Renewal  
 Modified

Permit No. 94-554RR  
**\* CONDITIONED \***

**Olympic Sports Plaza**  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Olympic Lodge Company

P.O. Box 269

Teton Village, WY 83025

to have constructed a sewer line and water main according to the procedures and conditions of the application No. 94-554RR. The facility is located in SW¼ Section 29, T42N, R117W in the County of Teton, in the State of Wyoming.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

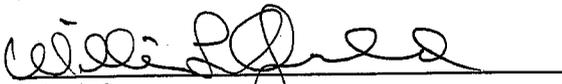
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

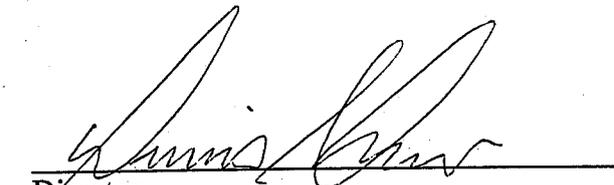
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

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

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.

AUTHORIZED BY:

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

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

3-23-95  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

STANDARD CONDITIONS 1 through 4

1. of 4      The applicant will notify the appropriate district office of the Department of Environmental Quality, Water Quality Division, 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 Water Quality Division, 250 Lincoln, Lander, WY 82520, (307) 332-3144, in accordance with the provisions of Section 9, Chapter III, Wyoming Water

Permit to Construct 94-554RR  
Olympic Sports Plaza

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 Water Quality Division, 250 Lincoln, 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".

JH/jyi/nc 51269.LTR

## STATEMENT OF BASIS

I. General information.

A. Permit Number: 94-554RR

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. YES

B. Chapter XII. YES

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.

YES A four (4) inch sewer from the building to the manhole was constructed rather than the six (6) inch required. This is acceptable since four inch can carry the flows generated.

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

Statement of Basis  
94-554RR

- 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 15, Chapter III.

NOT

- 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.

JH/jyi/nc 51269.LTR

**PERMIT TO CONSTRUCT**

- New
- Renewal
- Modified

Permit No. 94-555R  
\* **CONDITIONED** \*

**Rocky Mountain Crystal Water, Inc.**  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Rocky Mountain Crystal Water, Inc.  
5575 S. Sycamore Street, Suite 103  
Littleton, CO 80120

to construct a 4 inch PVC service line with valve, meter and backflow preventer according to the procedures and conditions of the application No. 94-555R. The facility is located in SE1/4 SE1/4 Sec. 17, T47N, R88W in the County of Washakie, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third

parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, 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.

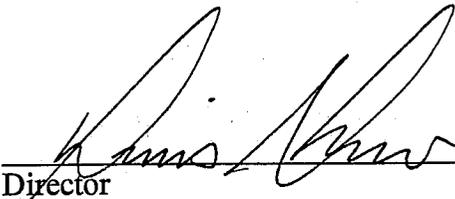
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

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

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.

AUTHORIZED BY:

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

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

4-6-95  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

#### STANDARD CONDITIONS 1 through 4

1. of 4      The applicant will notify the appropriate district office of the Department of Environmental Quality, Water Quality Division, by the attached post card of the date construction will begin and the estimated completion date.

Permit to Construct 94-555R  
Rocky Mountain Crystal Water, Inc.

2. of 4            The applicant will provide immediate oral and/or written notice to Water Quality Division, 250 Lincoln, Lander, WY 82520, (307) 332-3144, 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 Water Quality Division, 250 Lincoln, 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".

JH/jm/nc 51431.LTR

STATEMENT OF BASIS

I. General information.

A. Permit Number: 94-555R

II. Application reviewed for compliance with the following regulations.

A. Chapter XI. No

B. Chapter XII. Yes

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

Statement of Basis  
94-555R

- V. Application requires review to determine groundwater impacts in accordance with Section 15, Chapter III. *See footnote*<sup>1</sup>

Not applicable

JH/jm/nc 51431.LTR

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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.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 94-570  
SPECIAL CONDITIONS

Glenrock Oil Seep

This permit hereby authorizes the applicant:

Conoco Inc.  
600 North Dairy Ashford (77079)  
P.O. Box 4784  
Houston, TX 77210-4784

to construct, install or modify groundwater piezometers/monitoring wells according to the procedures and conditions of the application number 94-570. The facility is located in T33N, R75W, Section 5 in the county of Converse, in the State of Wyoming. This permit shall be effective for a period of five (5) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, 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.

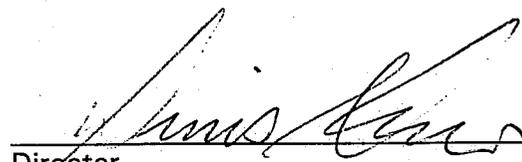
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: GPC Program, State of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

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

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.

AUTHORIZED BY:

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

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

1-13-95  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

1. of 11 The groundwater monitoring wells/piezometers shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in Permit to Construct application number **94-570**. Additional wells meeting the requirements of this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. of 11 Monitoring well/piezometer construction must meet the requirements of the enclosed Chapter XI, Part G, Wyoming Water Quality Rules and Regulations. Monitoring well casings shall meet the conditions provided in Chapter XI, Section 67. All monitoring wells/piezometers must be constructed from materials free of material having the potential to contaminate groundwater samples.
3. of 11 The permittee shall remain responsible for the future maintenance and proper abandonment of all monitoring wells/piezometers, including the wells that are installed on property not owned by the permittee.
4. of 11 Borehole cuttings must be screened and disposed of properly. Contaminated cuttings must be disposed of at a site approved by the DEQ's Solid and Hazardous Waste Management Division (307-777-7752).

5. of 11 Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells/piezometers prevented by physical limitations to adherence to the requirements on minimum depths of seal below the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.
6. of 11 After the monitoring wells/piezometers have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements. No monitoring well/piezometers shall be abandoned without prior approval from the Water Quality Division.
7. of 11 Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitoring wells/piezometers shall be reported immediately to the Division. The wells shall be clearly numbered using either a stamp to permanently engrave the number into the steel top or by writing the number in the wet concrete of the base.
8. of 11 The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
9. of 11 Water which is collected during monitoring well/piezometer development or sampling must be disposed of properly (i.e., into the existing water treatment system).
10. of 11 In addition to the sampling analysis proposed in the workplan (SECOR, November 18, 1994), the groundwater sampled from the piezometers/monitoring wells shall be analyzed for the following listed parameters and according to the EPA Methods stated:

<u>Matrix</u>	<u>Compounds</u>	<u>EPA Method</u>
Water	Semi-volatile Organics*	8270
Water	Phenols	420.1

**Note:**

- i. If prior approval is obtained from WDEQ/WQD, an alternate EPA analytical method can be employed.
- ii. Upon WDEQ/WQD and EPA approval, the list of required parameters to be analyzed may be modified following the initial sampling event.

11. of 11 The Sampling Activities Report and Analytical Results Summary Report shall be submitted to WDEQ/WQD and the EPA as specified in the workplan (SECOR, November 18, 1994).

THE STATE



OF WYOMING



**JIM GERINGER**  
GOVERNOR

## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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January 12, 1995

Mr. B. Keith Coffman  
Conoco, Inc.  
600 North Dairy Ashford (77079)  
P.O. Box 4784  
Houston, TX 77210-4784

**Re: Permit No. 94-570**  
**Piezometer Installation**  
**Glenrock Oil Seep, Glenrock, WY**

Dear Mr. Coffman:

I am writing this letter in response to your workplan dated December 8, 1994. Comments and requirements are summarized on the enclosed Groundwater Pollution Control (GPC) Program Review Form. WDEQ/WQD authorizes the construction of the piezometers (**Permit No. 94-570**).

Please contact me directly, should you have any questions.

Sincerely,

*Phillip Stump*  
Phillip Stump  
Senior Environmental Analyst  
Water Quality Division

PBS/bb/50172.ltr

enclosures: GPC Program Review Form  
Chapter XI, Part G, Wyoming Water Quality Rules and Regulations

cc: Kevin Frederick, Supervisor, GPC Program, WQD/Cheyenne, w/o encl  
James M. Kerr, SECOR, (w/ encl)  
Stephen Way, EPA Region VIII, (w/o encl)

**GROUNDWATER SECTION REVIEW OF PROPOSALS/PLANS**  
**WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**WATER QUALITY DIVISION**

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

**PROJECT:** Glenrock Oil Seep

**APPLICANT:** Mr. B. Keith Coffman  
Remediation Technology  
Conoco Inc.  
P.O. Box 4784  
Houston, TX 77210-4784  
(713)293-3593  
FAX: 293-3305

**APPLICANT'S  
CONSULTANT:** James M. Kerr  
Project Manager  
Science & Engineering Analysis Corporation  
355 Union Boulevard, Suite 200  
Lakewood, CO 80228-1500  
(303) 763-8800  
FAX: 763-8844

**WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER:** **94-570**

**TITLE:** Proposed Recovery System Workplan & Schedule

**PROPOSAL**     **PLANS**     **REPORTS**

**DATE ON PROPOSAL/PLANS/LETTERS:** December 8, 1994

**IS THIS PROPOSAL SUBMITTED PURSUANT TO:**

'CONDITIONS' TO ANY WDEQ/WQD PERMIT? NO  YES

AN LOV, NOV OR OTHER ENFORCEMENT? NO  YES  EPA Order  
(CWA-OPA-VIII-94-05)

**REVIEWER:** Phillip Stump  
Phillip Stump, Senior Environmental Analyst

**DATE OF LAST REVIEW:** n/a

**DATE OF THIS REVIEW:** January 12, 1995

**ACTION:** **AUTHORIZED**

1 **REQUIREMENTS/RECOMMENDATIONS:**

- 1.1 Section IV.C.1. of the Statement of Work (SOW) in the EPA Order requires the submittal of a Field Sampling Plan (FSP). The FSP shall provide for 'sampling and analysis of soil, sediment, surface water, and groundwater to determine the extent of petroleum contamination throughout the site.' In piezometers/monitoring wells with no free phase hydrocarbons present, the proposed groundwater sampling shall include the analysis for dissolved contaminant constituents. In addition to the proposed analysis for dissolved volatile organics (SECOR workplan, November 18, 1994), the samples shall also be analyzed for phenols and semi-volatile organics.
- 1.2 WDEQ/WQD authorizes the installation of the proposed piezometers by issuance of **Permit to Construct #94-570** under the following **CONDITIONS:**
1. of 11 The groundwater monitoring wells/piezometers shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in Permit to Construct application number **94-570**. Additional wells meeting the requirements of this permit may be installed if prior approval is received from the Water Quality Division (WQD).
2. of 11 Monitoring well/piezometer construction must meet the requirements of the enclosed Chapter XI, Part G, Wyoming Water Quality Rules and Regulations. Monitoring well casings shall meet the conditions provided in Chapter XI, Section 67. All monitoring wells/piezometers must be constructed from materials free of material having the potential to contaminate groundwater samples.
3. of 11 The permittee shall remain responsible for the future maintenance and proper abandonment of all monitoring wells/piezometers, including the wells that are installed on property not owned by the permittee.
4. of 11 Borehole cuttings must be screened and disposed of properly. Contaminated cuttings must be disposed of at a site approved by the DEQ's Solid and Hazardous Waste Management Division (307-777-7752).
5. of 11 Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells/piezometers prevented by physical limitations to adherence to the requirements on minimum depths of seal below the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.
6. of 11 After the monitoring wells/piezometers have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements. No monitoring well/piezometers shall be abandoned without prior approval from the Water Quality Division.

7. of 11 Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitoring wells/piezometers shall be reported immediately to the Division. The wells shall be clearly numbered using either a stamp to permanently engrave the number into the steel top or by writing the number in the wet concrete of the base.
8. of 11 The applicant is responsible for obtaining any Permits required by the State Engineer's Office (777-7354).
9. of 11 Water which is collected during monitoring well/piezometer development or sampling must be disposed of properly (i.e., into the existing water treatment system).
10. of 11 In addition to the sampling analysis proposed in the workplan (SECOR, November 18, 1994), the groundwater sampled from the piezometers/monitoring wells shall be analyzed for the following listed parameters and according to the EPA Methods stated:

<u>Matrix</u>	<u>Compounds</u>	<u>EPA Method</u>
Water	Semi-volatile Organics	8270
Water	Phenols	420.1

**Note:**

- i. If prior approval is obtained from WDEQ/WQD, an alternate EPA analytical method can be employed.
  - ii. Upon WDEQ/WQD and EPA approval, the list of required parameters to be analyzed may be modified following the initial sampling event.
11. of 11 The Sampling Activities Report and Analytical Results Summary Report shall be submitted to WDEQ/WQD and the EPA as specified in the workplan (SECOR, November 18, 1994).

**PERMIT TO CONSTRUCT**

- New  
 Renewal  
 Modified

Permit No. 94-571  
\* **CONDITIONED** \*

**Exxon Shute Creek Gas Plant Monitor Wells**  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Exxon Corporation

P.O. Box 1600, ML#14

Midland, TX 79702

to construct a series of bore holes and monitor wells according to the procedures and conditions of the application No. 94-571. The facility is located in T22N, R112W, Section 14, NW 1/4, SW 1/4 in the County of Lincoln, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third

parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

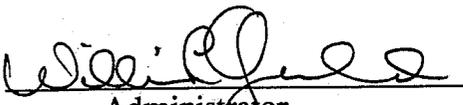
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

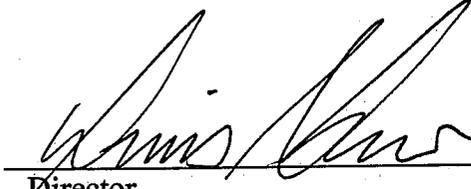
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: District Engineer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 250 Lincoln, Lander, WY 82520; telephone, 332-3144.

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

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.

AUTHORIZED BY:

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

  
\_\_\_\_\_  
Director  
Dept. of Environmental Quality

1-31-95  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

STANDARD AND SPECIFIC CONDITIONS 1 through 15

- 1 of 15      The applicant will notify the appropriate District office of the Department of Environmental Quality, Water Quality Division, by the attached post card of the date construction will begin and the estimated completion date.
  
- 2 of 15      The applicant will provide immediate oral and/or written notice to Water Quality Division, 250 Lincoln, Lander, WY 82520, (307) 332-3144, 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 15 Within sixty (60) days of completion of construction of the authorized facility(ies), the applicant will submit to Water Quality Division, 250 Lincoln, Lander, WY 82520, on the form provided (CERTIFICATION OF COMPLETION), the following information.

- a. Date that construction of the facility(ies) was completed; and
- b. Date that the facility(ies) was placed in operation; and
- c. Certification that the facility(ies) was constructed in accordance with the terms and conditions of the permit; or
- d. Certification that the facility(ies) 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 15 Work shall be performed under this permit within the following schedule:

- a. Work shall begin within ninety (90) days of permit issuance;
- b. Assessment work shall be completed within ninety (90) days of initiation;
- c. A Report of Investigation (ROI) shall be submitted to the WDEQ/WQD Lander office within sixty (60) days of completion of the SSI work. The ROI shall include the information specified in WDEQ/WQD's "Minimum Content Requirements for a Subsurface Investigation (SSI) Report of Investigation (ROI)".

5 of 15 The groundwater monitoring wells/piezometers shall be installed in accordance with the conditions of this permit and the plans and specifications submitted in Permit to Construct application number 94-571. Additional wells meeting the requirements of this permit may be installed if prior approval is received from the Water Quality Division (WQD).

6 of 15 All downhole equipment shall be de-contaminated between wells (borings) to minimize the potential for cross-contamination.

- 7 of 15 Borehole cuttings must be screened and disposed of properly. Contaminated cuttings must be disposed of at a site approved by the DEQ's Solid and Hazardous Waste Management Division.
- 8 of 15 Pursuant to Wyoming Water Quality Rules and Regulations, Chapter XI, Section 63(A), a deviation is hereby granted for those wells/piezometers prevented by physical limitations to adherence to the requirements on minimum depths of seal below the ground surface as detailed in Chapter XI, Part G. However, a sufficient seal shall be installed according to normal engineering practice.
- 9 of 15 After the monitoring wells/piezometers have fulfilled their useful purpose, they shall be abandoned according to procedures specified in Chapter XI, Part G, Section 70 of Wyoming Water Quality Rules and Regulations. In addition, borings in public use areas, particularly paved streets and alleys, shall be abandoned in accordance with City and/or Highway Department requirements. No monitoring well/piezometer shall be abandoned without prior approval from the Water Quality Division.
- 10 of 15 Well caps shall be kept locked at all times other than for monitoring purposes. Any tampering with the monitor wells/piezometers shall be reported immediately to the Division. The wells shall be clearly numbered using either a stamp to permanently engrave the number into the steel top or by writing the number in the wet concrete of the base.
- 11 of 15 The issuance of this permit does not relieve the permittee from obligations to complete the extent of contamination study and any further remedial work which may be required. Depending on the results of the subsurface investigation, additional site investigations or remedial actions may be required by the WQD. An adequate number of wells/piezometers shall be installed to define the nature and extent of the contamination.
- 12 of 15 In addition to the well/piezometer construction information submitted with the permit application, the following items relating to well/piezometer construction shall be implemented when the wells/piezometers are constructed, installed and developed:
- a. The borehole diameter shall be at least four (4) inches larger in diameter than the casing diameter;
  - b. When PVC casing is used, the casing shall be installed using threaded joints, couplings, or mechanical connectors without the use of solvents or glues to hold the casing sections together;
  - c. To minimize the entrance of fine grained material into the well/piezometer, the filter pack shall be designed to be compatible with the perforation size and the geologic materials encountered within the

perforated interval. The filter pack shall extend to a minimum of one (1) foot above the screened interval;

- d. Filter pack, annular seal, and surface seal material shall be entered into the well/piezometer in a manner such that no voids or bridging occur;
- e. A minimum two (2) foot thickness of bentonite or bentonite grout is required at the top of the filter pack to serve as an annular seal. After the bentonite has been placed in the annular space, it shall be hydrated to insure a proper seal.

13 of 15 DEQ/WQD personnel shall be given at least two (2) weeks notice prior to the installation of monitor wells/piezometers and sample collection so that DEQ/WQD personnel may be on site if deemed necessary.

14 of 15 Proper monitoring well/piezometer evacuation shall include removal of a minimum of three (3) casing volumes prior to sampling or pumping the well/piezometer dry once, whichever occurs first. Sample collection, preservation, transportation and chemical analytical procedures shall be completed in accordance with WQD and EPA standard procedures.

15 of 15 All monitor wells/piezometers associated with this facility shall be sampled and the groundwater analyzed for the parameters listed in the Plan according to the EPA Method stated.

The results of these analyses shall be submitted to the ~~Lander~~ office according to the schedule listed in condition 4 of 15 of the Permit to Construct.

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 94-572  
SPECIAL CONDITIONS

E. 5th Street 16-inch Water Main and 8-inch Sanitary Sewer Replacement

This permit hereby authorizes the applicant:

City of Sheridan  
P.O. Box 848  
Sheridan, Wyoming 82801

to construct, install or modify a water main and sanitary sewer according to the procedures and conditions of the application number 94-572. The facility is located in the SW/4 of the NW/4 of Section 25, and the N/2 of Section 26, Township 56 North, Range 84 West in the county of Sheridan, in the State of Wyoming. This permit shall be effective for a period of one year from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

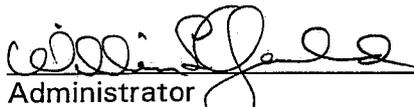
The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions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

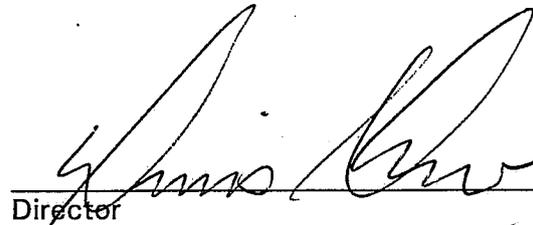
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Northeast District, State of Wyoming, Department of Environmental Quality, Water Quality Division, 1043 Coffeen Avenue Suite D, Sheridan, Wyoming 82801; telephone (307) 672-6457.

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

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.

AUTHORIZED BY:

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

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

12-30-94  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

#### STANDARD 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 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 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.

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

BDM/pr:12/28/94

45991.ltr

Attachments: Notification Post Card  
Certification of Completion Form  
Statement of Basis

## STATEMENT OF BASIS

### I. General information.

A. Permit Number: 94-572

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

A. Chapter XI. Yes.

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.

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.

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.

1) Chapter XI Section 9.(d)(i) of the Wyoming Water Quality Rules and Regulations (WWQRR). Manholes shall be spaced at no more than 400 feet for lines 15 inches or less.

2) Chapter XII Section 14.(c) of WWQRR. Valves on waterlines shall not be placed greater than 800 feet apart.

B. Briefly state the basis for the deviation.

1) The City of Sheridan has indicated in writing that it has the capability to clean lines as long as those proposed in this project.

2) Only two service connections are planned for the 1,604 feet run of waterline. 270 feet of the

waterline will be encased and eliminate any service connections for that section.

- 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).

No.

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

Not Applicable.

- 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.

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

33954.DOC



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

February 15, 1995

Mr. Ron S. Jorgensen  
Questar Pipeline Company  
P.O. Box 11450  
Salt Lake City, UT 84147

RE: 94-573 Application Withdrawn

Dear Mr. Jorgensen:

Your letter of 10 February 1995 indicates the Leroy Borehole and Monitor Well application 94-573 will be withdrawn and will be pursued under a separate application with the WQD/Groundwater Section. The application is considered inactive and is being returned as an enclosure with this letter.

Thank you for your response to clear up this matter.

Sincerely,

A handwritten signature in cursive script that reads "Randall Taylor".

Randall Taylor  
Water Quality Division  
S.W. Dist. Engr. Supervisor

Enclosure

xc: IPS

**REVIEW OF PLANS AND SPECIFICATIONS**

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY  
WATER QUALITY DIVISION  
Herschler Bldg., 4 West  
Cheyenne, Wyoming 82002

**PROJECT:** Bldg 354 F.E. Warren AFB

**ENGINEER:** Bob Herb  
USAF  
300 Vesle Dr.  
F.E. Warren AFB, WY 82005

**APPLICANT:** Jack Knudson  
300 Vesle Dr.  
FE Warren AFB, WY 82005

**WATER QUALITY REFERENCE NUMBER:** 94-574

**APPROVING ENGINEER:** Gary Steele



**DATE OF REVIEW:** January 4, 1995

**ACTION:** NOT AUTHORIZED FOR CONSTRUCTION

**COMMENTS, PROBLEMS, INADEQUACIES, and QUESTIONS:**

1 of 1 Water Quality Rules and Regulations Chapter XI Section 6(b)(iv) requires that a letter from the treatment or disposal facility accepting the waste from this facility be provided. Please provide a copy of a letter from the Cheyenne Board of Public Utilities indicating that they will accept the waste water generated from the wash facility.

/jn - 50035.ltr

PERMIT TO CONSTRUCT

New  
 Renewal  
 Modified

PERMIT NO. 94-574  
SPECIAL CONDITIONS

Bldg. 354 F.E. Warren AFB (Oil-Water Separator)

This permit hereby authorizes the applicant:

Jack Knudson  
300 Vesle Dr.  
F.E. Warren AFB, WY 82005

to install an oil-water separator and connect to collection system according to the procedures and conditions of the application number 94-574. The facility is located in SW 1/4, Section 26, T14N, R67W in the county of Laramie, in the State of Wyoming. This permit shall be effective for a period of 2 years from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or ensures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The state assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the state does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, 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.

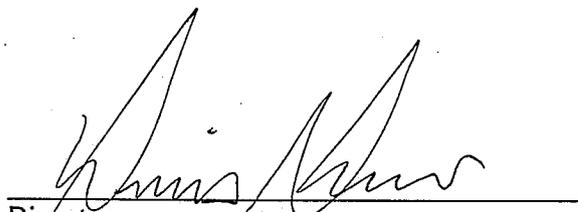
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: Southeast District Office,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

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

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.

AUTHORIZED BY:

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

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

2-7-95  
\_\_\_\_\_  
Date of Issuance

This permit does not supersede the requirements for obtaining any permit from local agencies.

#### SPECIAL 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 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 4 Within sixty days of completion of construction of the authorized facility, the applicant will submit to 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.

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

GLS/bb/50593.ltr

## STATEMENT OF BASIS

I. General information.

A. Permit Number: 94-574

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

A. Chapter XI. Yes

B. Chapter XII. No

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

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

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. (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 15, Chapter III. See footnote. (Indicate either applicable or not applicable. If not applicable delete all of section VI. from the Statement of Basis.)

N/A

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

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.

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

GLS/bb/50593.ltr

THE STATE



OF WYOMING



**JIM GERINGER**  
GOVERNOR

## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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February 21, 1995

Randy Williams  
Little America Refining Company  
P.O. Box 510  
Evansville, WY 82636

**Re: Permit to Construct #94-575 (Ref. 92-195 & 93-480)**  
**Soil-Vapor Extraction System (Brookhurst Subdivision and LARCo's East Property Boundary)**  
LARCo Refinery  
Evansville, WY

Dear Mr. Williams:

The Wyoming Department of Environmental Quality, Water Quality Division (WDEQ/WQD) has reviewed the referenced Permit to Construct application materials. WDEQ/WQD's requirements and recommendations are summarized on the enclosed Groundwater Pollution Control (GPC) Program review form. The enclosed 'As-built' approval letter and 'As-built' Permit to Construct approves the construction of the Brookhurst SVE System and authorizes the proposed expansion of the system at LARCo's East Property Boundary.

Please contact me directly should you have any questions.

Sincerely,

*Phillip Stump*  
Phillip Stump  
GPC Program Engineer  
Water Quality Division

PS/jn - 50879.ltr

enclosure: Groundwater Pollution Control Program Review Form

xc: 1995 Southeast District Review Forms  
Kevin Frederick, Supervisor, GPC Program, WQD/Cheyenne  
Tom Aalto, U.S. EPA Region VIII, Denver  
Jerry Breed, SHWD/Cheyenne

ps: LARCO94-575.RV1

**GROUNDWATER SECTION REVIEW OF PROPOSALS/PLANS**  
**WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY**  
**WATER QUALITY DIVISION**

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

**PROJECT:** Soil-Vapor Extraction System (Brookhurst & LARCO's East Property Boundary)

**APPLICANT:** Little America Refining Co.  
P.O. Box 510  
Evansville, WY 82636  
(307) 265-2800

**APPLICANT'S ENGINEER:** Klane F. Forsgren  
Sinclair Oil Corporation  
550 S. Temple  
Salt Lake City, UT 84102  
(801) 524-2745

**WATER QUALITY DIVISION REFERENCE (PERMIT) NUMBER: 94-575**

**TITLE:** Permit Re-Applications - Permits 92-195RR & 93-480 - LARCo SVE System

**PROPOSAL**       **PLANS**       **REPORT**

**DATE ON PROPOSAL/PLANS/REPORT:** November 16, 1994

**IS THIS PROPOSAL SUBMITTED PURSUANT TO:**

'CONDITIONS' TO ANY WQD PERMIT?       **NO**       **YES**

AN LOV, NOV OR OTHER ENFORCEMENT?       **NO**       **YES**

**IS THIS PROPOSAL SUBMITTED PURSUANT TO 'CONDITIONS' TO ANY WDEQ/WQD PERMIT?**      **YES**       **NO**

**REVIEWING ENGINEER:** Phillip Stump, Senior Environmental Analyst

**APPROVING ENGINEER:** Jake Strohmman, P.E., Groundwater Section Manager

**DATE OF LAST REVIEW:** February 3, 1994

**DATE OF THIS REVIEW:** February 21, 1995

**ACTION:** 'As-built' APPROVAL & AUTHORIZED FOR CONSTRUCTION

## **I. CONCLUSIONS OF ADEQUACY OF WORK COMPLETED TO DATE:**

- A. WDEQ/WQD concurs with LARCo that the SVE operations in the Brookhurst Subdivision are a priority over operations on LARCo's east property boundary. Since the operation of the present equipment has the capacity to operate approximately (10) SVE wells under active extraction, the operational plan of the (10) Brookhurst SVE wells and (12) east property boundary SVE wells will need to be optimized. The SVE wells which yield the highest hydrocarbon recovery rates and/or with measurable LNAPL present need to serve as active wells. WDEQ/WQD also concurs that the removal of soil gas vapors to prevent residential exposure to hydrocarbons should be a priority in the optimization of the operation. The Division agrees that the operation of specific SVE wells may need to be rotated (i.e., alternated between active and passive operation), to increase the coverage and/or to maximize the recovery of hydrocarbons (i.e., VOC concentrations will tend to recover or spike).
- B. The radius of influence (ROI) pilot tests indicate that the influence of the SVE wells on the east property boundary extends to about 100 ft. with an applied vacuum equal to approximately 6 to 10 in. of water. Since the boundary SVE wells are located at approximately 100 to 150 feet centers, the areas of influence should overlap.
- C. In the pilot test results the areas of influence appear to overlap conservatively and the effects of multiple wells appear to be additive; although, WDEQ/WQD does acknowledge that smaller vacuums will be applied in outlying areas and remediation/treatment may proceed at a slower rate. The outlying areas may be remediated more effectively by bioremediation processes. The operation of the SVE wells should increase the movement of oxygen from the ground surface to contaminated areas in the subsurface. The additional oxygen should enhance the biological activity in the subsurface and increase the degradation of hydrocarbon contaminants. To measure the biodegradation potential and present effects of remedial activities, WDEQ/WQD suggests that LARCo consider performing additional monitoring and tests (e.g., performing respiration tests and measuring O<sub>2</sub> and CO<sub>2</sub> levels in the subsurface vapors, etc.).
- D. From the pilot test of the SVE wells in Brookhurst, the highest concentrations of extracted hydrocarbons were measured in VE-05 and VE-16. Varying levels of hydrocarbon thicknesses have been measured in the vicinity of these SVE wells. The thickness of hydrocarbons tends to substantially fluctuate with changes in the static groundwater level. If groundwater monitoring downgradient of this area (i.e., beyond the area of influence of the SVE wells) detects free product, LARCo may need to install additional SVE wells.
- E. The measurements of piezometric head in the pilot tests verify that the operation of the SVE system will not effect the potentiometric surface and thereby does not influence the migration of dissolved groundwater contamination (i.e., the KN Energy/Dow Schlumberger CERCLA plume); although, the effects on the migration or mounding of free product (i.e., LNAPL) have not been clarified.

## **II. REQUEST/REQUIREMENTS/RECOMMENDATIONS:**

WDEQ/WQD approves the construction of the Brookhurst SVE System and authorizes the proposed east property boundary expansion.

**'As-Built' SVE System - Brookhurst and LARCo's east property boundary expansion**  
**PERMIT CONDITIONS:**

1. of 4      WDEQ concurs with LARCo's objectives for operating the SVE System as described in the application (*Soil Vapor Extraction Pilot Test - Report*, November 16, 1995, p. 1). "The primary objective of the SVE operation is to prevent residential exposure to soil gas vapors. LARCO also believes that the operation of the system assists in remediation of off-site contamination through hydrocarbon removal and soil venting. At this time, the SVE system is not operated to completely contain the migration of dissolved constituents or to achieve clean-up standards which will ultimately be determined in the RCRA corrective action process."
  
2. of 4      The proposed operational monitoring plan submitted in the application permit no. 94-575 (*Operational Monitoring Plan - Revised 11/16/94*) shall be adhered to. A report shall be submitted to WDEQ/SHWD after the first three months of operation of the SVE system (i.e., with the east property boundary expansion in operation). An annual report summarizing the first year of operation shall be submitted before April 5, 1996. Annual reports shall be submitted before April 5 of each year. The reports shall contain the items proposed in the application (*Operational Monitoring Plan - Revised 11/16/94*, p. 7).
  
3. of 4      LARCo shall document and report to WDEQ/SHWD on a quarterly basis the following:
  - a.      field VOC concentrations and wellhead pressures measured at the active SVE wells during the previous quarter;
  - b.      estimated or measured flow rates from each SVE well during the previous quarter; and
  - c.      a list of the proposed active and non-active SVE wells for the upcoming quarter.

**Note:** Quarterly reports are only required if the operation of the SVE System is to be modified (i.e., non-active wells become active and/or active wells blocked off) in the upcoming quarter; although, the information described above shall be documented monthly and submitted in the annual report.
  
4. of 4      LARCo shall continuously operate the SVE system and needs to obtain permission from WDEQ/SHWD, prior to permanently turning off the SVE system. If the system is shutdown for more than one week for reasons other than routine maintenance, LARCo shall notify WDEQ/SHWD, Cheyenne, in writing within (15) days.

/jn - 50879.ltr



JIM GERINGER  
GOVERNOR

## Department of Environmental Quality

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

ADMINISTRATION (307) 777-7758 FAX 777-7682	ABANDONED MINES (307) 777-6145 FAX 634-0799	AIR QUALITY (307) 777-7391 FAX 777-7682	INDUSTRIAL SITING (307) 777-7368 FAX 777-6937	LAND QUALITY (307) 777-7756 FAX 634-0799	SOLID & HAZARDOUS WASTE (307) 777-7752 FAX 777-5973	WATER QUALITY (307) 777-7781 FAX 777-5973
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February 21, 1995

Randy Williams  
Little America Refining Company  
P.O. Box 510  
Evansville, WY 82636

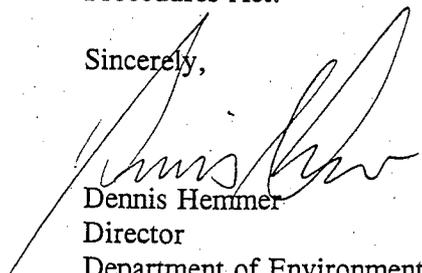
RE: Permit to Construct Application Number No. 94-575 (Ref. 92-195 & 93-480)

Dear Mr. Williams:

The Department of Environmental Quality/Water Quality Division (DEQ/WQD) has reviewed the referenced As-Built Application submitted by your engineer, Klane F. Forsgren. Our review indicates that the application appears to meet DEQ/WQD regulations and the enclosed As-Built Permit To Construct is hereby issued. The enclosed permit approves the **Brookhurst SVE System that has been constructed and authorizes the proposed expansion of the system at LARCo's East Property Boundary.**

Please be advised that the system must be constructed, installed and operated in accordance with the statements, representations and procedures presented in the application and all supporting documentation as well as the terms and conditions of the permit. You are urged to be familiar with all aspects of the permit application, permit and permit conditions. Any person objecting to an action of the DEQ/WQD and desiring affirmative relief may request a hearing before the Environmental Quality Council in accordance with the procedures of the Rules of Practice and Procedure and the Wyoming Administrative Procedures Act.

Sincerely,

  
Dennis Hemmer  
Director  
Department of Environmental Quality

DH/PS/jn - 50877.ltr

enclosure: 'As-built' Permit to Construct

cc: Jerry Breed, SHWD/Cheyenne  
IPS, Cheyenne

f:...OIL-COMPLARCO\94-575.ltr

AS-BUILT  
PERMIT TO CONSTRUCT

New

Renewal

Modified

Permit No. 94-575  
(Ref. 92-195 & 93-480)  
"SPECIAL CONDITIONS"

LARCo SVE System  
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Little America Refining Company  
P.O. Box 510  
Evansville, WY 82636

to have constructed SVE System (Brookhurst Subdivision and LARCo's East Property Boundary Expansion according to the procedures and conditions of the application No. 94-575. The facility is located in T33N, R78W, Section 5, N.W. 1/4 in the County of Natrona, in the State of Wyoming.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, 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.

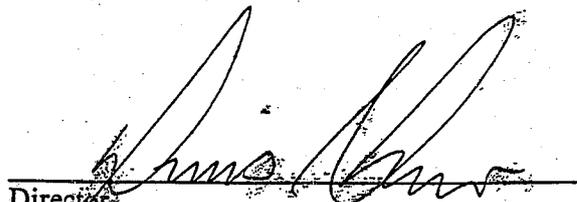
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of the project. The authorized representative in your area can be contacted at the following address: GPC Program - SE District Supervisor, 122 W. 25th. St., Cheyenne, WY 82002.

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

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.

AUTHORIZED BY:

  
Administrator  
Water Quality Division

  
Director  
Department of Environmental Quality

2-23-95  
Date of Issuance

PS/jn - 50878.ltr

This permit does not supersede the requirements for obtaining any permit from local agencies.

SPECIAL CONDITIONS

1. of 4 WDEQ concurs with LARCo's objectives for operating the SVE System as described in the application (*Soil Vapor Extraction Pilot Test - Report*, November 16, 1995, p. 1). "The primary objective of the SVE operation is to prevent residential exposure to soil gas vapors. LARCo also believes that the operation of the system assists in remediation of off-site contamination through hydrocarbon removal and soil venting. At this time, the SVE system is not operated to completely contain the migration of dissolved constituents or to achieve clean-up standards which will ultimately be determined in the RCRA corrective action process."
2. of 4 The proposed operational monitoring plan submitted in the application permit no. 94-575 (*Operational Monitoring Plan - Revised 11/16/94*) shall be adhered to. A report shall be submitted to WDEQ/SHWD after the first three months of operation of the SVE system (i.e., with the east property boundary expansion in operation). An annual report summarizing the first year of operation shall be submitted before April 5, 1996. Annual reports shall be submitted before April 5 of each year. The reports shall contain the items proposed in the application (*Operational Monitoring Plan - Revised 11/16/94, p. 7*).
3. of 4 LARCo shall document and report to WDEQ/SHWD on a quarterly basis the following:
  - a. field VOC concentrations and wellhead pressures measured at the active SVE wells during the previous quarter;
  - b. estimated or measured flow rates from each SVE well during the previous quarter; and
  - c. a list of the proposed active and non-active SVE wells for the upcoming quarter.

Note: Quarterly reports are only required if the operation of the SVE System is to be modified (i.e., non-active wells become active and/or active wells blocked off) in the upcoming quarter; although, the information described above shall be documented monthly and submitted in the annual report.
4. of 4 LARCo shall continuously operate the SVE system and needs to obtain permission from WDEQ/SHWD, prior to permanently turning off the SVE system. If the system is shutdown for more than one week for reasons other than routine maintenance, LARCo shall notify WDEQ/SHWD, Cheyenne, in writing within (15) days.