



Western Water & Land, Inc.

February 12, 2014

Ms. Loretta Houk
Colorado Dept. of Public Health and Environment
Water Quality Control Division
4300 Cherry Creek Dr. South WQCD P-B2
Denver, CO 80246-1530

Dear Ms. Houk:

Western Water & Land, Inc. (WWL), on behalf of Occidental Oil Shale, Inc. (OOSI), has prepared the enclosed Colorado Water Quality Control Division Termination Application for the termination of permit number CO0048816.

Formal termination of the permit is requested as a result of approval of Technical Revision No. 8 for Mine Permit No. M-77-424, Logan Wash Mine, by the Colorado Division of Reclamation, Mining and Safety (DRMS). Technical Revision No. 8 proposes to infiltrate mine water discharge from two existing Colorado Discharge Permit System outfalls as specified within the permit. This mine water management will occur under provisions of Memorandum of Agreement (MOA) for the Implementation of SB 181 Amendments to the Colorado Water Quality Control Act (25-8-101, et seq.) Pertaining to the Regulation of Mineral Mines (Dec. 14, 2010).

CDPHE, WQCD was mailed a copy of the OOSI response to DRMS's preliminary adequacy review of Technical Revision No. 8 on December 19, 2013. DRMS approved Technical Revision No. 8 on January 23, 2014 after consulting with CDPHE, WQCD.

Please examine the application for completeness. WWL and OOSI are prepared to conduct any onsite inspections that CDPHE, WQCD may require at the earliest possible convenience.

Sincerely,

Bruce D. Smith
Principal Hydrogeologist
WESTERN WATER & LAND, INC.

enclosure

cc: George Luxbacher, Sr. Vice President, Glenn Springs Holdings, Inc.
Travis Marshall, Environmental Protection Specialist, CDRMS
Oneita Potter, Land Law Examiner, USBLM, GJFO
Wayne Werkmeister, Associate Field Manager, USBLM, GJFO

Applications in Earth Science

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Colorado Department
of Public Health
and Environment

FOR DIVISION USE ONLY
CERTIFICATION NUMBER FOR
PERMITS CONVERTED TO
STORMWATER ONLY

COLORADO WATER QUALITY CONTROL DIVISION TERMINATION APPLICATION

Please print or type all information. Mail original form with ink signatures to the following address. **Emailed and Faxed forms will not be accepted.** All items must be filled out completely and correctly. If the form is not complete, it will be returned

Colorado Dept of Public Health and Environment
Water Quality Control Division
4300 Cherry Creek Dr South WQCD-P-B2
Denver, CO 80246-1530

PART A. IDENTIFICATION OF PERMIT/AUTHORIZATION TYPE

PLEASE LIMIT SUBMISSION TO ONE PERMIT, CERTIFICATION, or AUTHORIZATION / FORM

All Permit Termination Dates are Effective on the date approved by the Division

Processing times vary by type of discharge. Some discharge types require onsite inspections to verify information in this application.

PERMIT, CERTIFICATION, OR AUTHORIZATION NUMBER (not a general permit number) CO0048816

PART B. PERMITTEE INFORMATION

Company Name Occidental Oil Shale, Inc.

Legal Contact First Name George Last Name Luxbacher
Title Senior Vice President, Operations

Mailing Address C/O Glenn Springs Holdings, Inc. 5005 LBJ Freeway, Suite 1350

City Dallas **State** Texas **Zip** 75244-6119

Phone 972-687-7502 **Email address** george_luxbacher@oxy.com

PART C. FACILITY/PROJECT INFORMATION

Facility/Project Name Logan Wash Mine

Location (address) Logan Wash Road

City Near De Beque, CO **County** Garfield **Zipcode** 81630

Local Contact Name Bruce D. Smith **Phone number** 970-242-0170

Title Principal Hydrogeologist **Email** bsmith@westernwaterandland.com

PART D. TERMINATION INFORMATION QUESTIONS Pages 2-3

Page 2 Covers Facilities no longer in operation.

Page 3 Covers Facilities in operation but no longer discharging or needing permit coverage.

- Please answer the questions as completely as possible to assist in the approval of this termination request.
- Not all questions need to be answered.

D.1 OPERATIONAL STATUS OF FACILITY

D.1.A IS THE FACILITY IN OPERATION AT THIS LOCATION?

☐ **YES (go to item D.1.B Page 3)**

☒ **NO (Continue questions 1-5)**

1. FACILITY IS NOT IN OPERATION

All activities and discharges at the identified site has ceased; all potential pollutant sources have been removed; all industrial wastes have been disposed of properly; all DMR's, Annual Reports, and other reports have been submitted; and all elements of a Stormwater Management Plan have been completed (if Stormwater).

☐ **YES**

Go to Part E.
Certification & Signature

2. MINING FACILITY IS NOT IN OPERATION

(Sand & Gravel, Coal, or Hard rock Mining)

- a. Mining Operation is no longer discharging Process Water.
A Stormwater Only Permit is requested.**

**** A Stormwater Only Application has been submitted.****

☐

YES

☒

NO

- b. Reclamation for mining site (Sand & Gravel, Coal, or Hard rock Mining)
is complete: Is Bond Release attached ?**

☐

YES Go to Part E. Certification & Signature

☒

NO Please explain below:

Logan Wash Mine is an inactive oil shale mine that has not operated since the mid 1980s. The site is permitted by the Colorado Division of Reclamation, Mining and Safety (DRMS); Permit M-77-424. DRMS, after discussion with and input from CDPHE WQCD, has approved infiltration of the mine water discharge at an off-channel location. The CDPS permit is being terminated. This action is part of the mine reclamation process; other reclamation work is ongoing. Stormwater drainage systems are in place and approved by DRMS.

- c. Reclamation of mining site is complete - Is there any continued mine drainage?
e.g. adits or unreclaimed waste piles?**

☒

YES

Please Explain (Attach additional pages as necessary).

☐

NO

Go to Part E. Certification & Signature

Mine drainage will continue as infiltration at an off-channel location. This action has been approved by DRMS, after discussion with and input from CDPHE, WQCD. However, other reclamation activities remain to be conducted including curtailing other mine water flow that currently is treated through the use of an evaporation pond. The termination of this permit is an integral part of the mine reclamation and closure process.

COLORADO WATER QUALITY CONTROL DIVISION TERMINATION APPLICATION

www.coloradowaterpermits.com

D.1.B. FACILITY IS IN OPERATION

If Facility is in continued operation respond to only one on the following:

1. **FACILITY CONTINUED TO OPERATE, HOWEVER THE ACTIVITY PRODUCING THE DISCHARGE HAS CEASED (INCLUDING CHANGES IN SIC CODES RESULTING IN A CHANGE IN DUTY TO APPLY).** ☐ YES ☐ NO

2. **TERMINATION BASED ON ALTERNATE DISPOSAL OF DISCHARGES.**

The Discharge is being disposed in another way

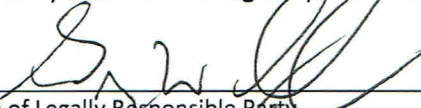
- a. Solid waste disposal unit e.g. Evaporative Ponds ☐
- b. No Exposure – Industrial Stormwater Only NOX Number
- c. Combined with another Authorized Discharge Permit Number
- d. Permit is not required : please explain - attach additional pages as needed (includes coverage by low policy, etc.)

3. **PERMITTEE IS NO LONGER THE OWNER/OPERATOR** of site and all efforts have been made to transfer the permit to appropriate parties. (Please attach copies of registered mail receipt, letters, etc.)

PART E. CERTIFICATION SIGNATURE REQUIRED FOR ALL TERMINATION REQUESTS

I certify under penalty of law that this document and all attachments were prepared under my direction and/or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those individuals immediately responsible for gathering the information, the information submitted is to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. " (See 18 USC 1001 and 33 USC 1319)

I also certify that I am the legal representative of the above named company (PART B page 1).


Signature of Legally Responsible Party

Feb. 11, 2014
Date Signed

George W. Luebador
Name (printed)

Sr. V.P., Operations
Title

Signatory requirements: This termination request shall be signed, dated, and certified for accuracy by the permittee in accord with the following criteria:

1. In the case of a corporation, by a principal executive officer of at least the level of vice-president, or his or her duly authorized representative, if such representative is responsible for the overall operation of the operation from which the discharge described herein originates;
2. In the case of a partnership, by a general partner;
3. In the case of a sole proprietorship, by the proprietor;
4. In the case of a municipal, state, or other public operation, by wither a principal executive officer, ranking elected official, or other duly authorized employee.