



COLORADO

Division of Water Resources

Department of Natural Resources

Water Division 4 - Main Office
P.O. Box 456
Montrose, CO 81402

December 31, 2014

Lee Fyock, Vice President of Environmental Permitting
Gunnison Energy LLC
1801 Broadway, Suite 1200
Denver, CO 80202

Re: Notice of Intent to Construct a Non-Jurisdictional Dam: Spadafora Storm Water Detention-North Pit, Spadafora Storm Water Detention-South Pit, Spadafora Water Storage Facility -North Pit, Spadafora Water Storage Facility-South Pit, Spadafora Water Storage Facility-Middle Pit

Our office is in receipt of a *Notice of Intent to Construct a Non-Jurisdictional Water Impoundment Structure* (Notice) for the above referenced structures. We have completed our review of the Notices and have no objections or conditions to the structures as you have proposed.

The final constructed dam(s) must be non-jurisdictional in size as defined by the *State of Colorado's Rules and Regulations for Dam Safety and Dam Construction*.

Our office may perform periodic inspections of each dam after it is constructed to verify the structure was constructed per the approved Notice and to non-jurisdictional size. A copy of the accepted Notice is enclosed for your information and use. Your cooperation is appreciated. If you have any questions, please contact our office at (970) 249-6622.

Sincerely,

Bob W. Hurford, P.E.
Division Engineer

Enclosure



FOR OFFICE USE ONLY

DAM NAME _____ NO. _____ WATER DIV: 4 DIST: 40

NOTICE OF INTENT TO CONSTRUCT A NON-JURISDICTIONAL
WATER IMPOUNDMENT STRUCTURE¹

This notice is required per Section 37-87-125, C.R.S. (1998).

This notice must be submitted to the Division Engineer's Office a minimum of 45 days prior to construction.
(PLEASE PRINT OR TYPE NOTICE)

OWNER INFORMATION

Name: Gunnison Energy LLC Telephone: (303) 296-4222

Address: 1801 Broadway, Suite 1200 Denver Colorado 80202
Street / P.O. Box/ Rural Route City State Zip Code

Responsible Person: Lee Fyock, Vice President of Environmental Permitting Telephone: (303) 296-4222

Address: same as above
Street / P.O. Box/ Rural Route City State Zip Code

Contractor: Weston Solutions, Inc. (Design Contractor); Telephone: (303) 729-6100
Construction Contractor to be determined

STRUCTURE INFORMATION

Name of Dam: Spadafora Storm Water Detention-North Pit Water Division: 4 Water District: 40

Location²:

- Option 1 →
- OR
- Option 2 →

1/4 / 1/4 Sect: _____ 1/4 of the _____ 1/4, Sect: _____ Township: _____ Range: P.M.
Distance of dam from Section lines _____ ft from ☐ N ☐ S, _____ ft from ☐ E ☐ W

Utilizing GPS: Set to UTM Datum. Measured on crest of dam above streamline/outlet.
N39 05' 37.92" W107 28' 09.49"

Note: GPS settings must be NAD83 CONUS (NAD83 Zone 13N used).

Dam Dimensions: Vertical Height³: 5.63 max., Length: 331 LF, ft., Slopes: U/S: 3 H:1V, D/S: 3 H:1V

Reservoir: Surface Area¹: 0.29 acres, Capacity¹: 0.87 acre feet, Drainage Area: 3 acres

Emergency Spillway: Width: 6 ft., Side Slopes: 3:1 H:1V, Freeboard⁴: 1 ft

Outlet Drain: Type: PVC Stand Pipe, Size: 6 inches, Location: near emergency spillway

Stream Name or Water Source⁵: stormwater

Proposed Water Use: stormwater detention Water Court Case No. (If applicable) n/a

Lee Fyock 10/16/14
Signature of Owner Date

DIVISION ENGINEER'S REQUIREMENTS:

Brian J. Ford 12/30/14
Signature of Division Engineer Date

DWR (03/07)

¹ A "Non-Jurisdictional Structure" is a dam creating a reservoir with a capacity of 100 acre-feet or less and a surface area of 20 acres or less and a vertical height (see footnote 3) of 10 feet or less.

² Please see example on reverse side (or page 2) of this form.

³ "Vertical Height" is measured from the elevation of the lowest point of the natural surface of the ground where that point occurs along the longitudinal centerline of the dam up to the crest of the emergency spillway of the dam.

⁴ "Freeboard" is the vertical distance from the bottom of spillway to the crest of the dam.

⁵ If construction in reservoir intercepts groundwater, a well permit is required. (Well permit applications can be found at www.water.state.co.us/pubs/forms.asp)

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Contractor: Weston Solutions, Inc. (Design Contractor); Telephone: (303) 729-6100
Construction Contractor to be determined

STRUCTURE INFORMATION

Name of Dam: Spadafora Storm Water Detention-South Pit Water Division: 4 Water District: 40

Location²:

• Option 1 →

OR

• Option 2 →

1/4 / 1/4 Sect: _____ 1/4 of the _____ 1/4 Sect: _____ Township: _____ Range: P.M.
Distance of dam from Section lines _____ ft from ☐ N ☐ S, _____ ft from ☐ E ☐ W

Utilizing GPS: Set to UTM Datum. Measured on crest of dam above streamline/outlet.
N39 05' 27.46" W107 28' 08.52"
Note: GPS settings must be NAD83 CONUS (NAD83 Zone 13N used)

Dam Dimensions: Vertical Height³: 7.37' max., Length: 303 LF, ft., Slopes: U/S: 3 H:1V, D/S: 3 H:1V

Reservoir: Surface Area¹: 0.27 acres, Capacity¹: 0.84 acre feet, Drainage Area: 3 acres

AEmergency Spillway: Width 6_ ft., Side Slopes: 1:2 H:1V, Freeboard⁴: 1 ft

Outlet Drain: Type: PVC, Size: 6 inches, Location: near emergency spillway

Stream Name or Water Source⁵: Storm water

Proposed Water Use: Stormwater Detention Water Court Case No. (If applicable) n/a
Lee Fyock 10/10/14
Signature of Owner Date

DIVISION ENGINEER'S REQUIREMENTS:

DWR (03/07)

Mon. H. Ford
Signature of Division Engineer

12/30/14
Date

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Address: same as above
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Contractor: Weston Solutions, Inc. (Design Contractor); Telephone: (303) 729-6100
Construction Contractor to be determined

STRUCTURE INFORMATION

Name of Dam: Spadafora Water Storage Facility-North Pit Water Division: 4 Water District: 40

Location²:

• Option 1 →

OR

• Option 2 →

1/4 / 1/4 Sect: _____ 1/4 of the _____ 1/4, Sect: _____, Township: _____, Range: P.M.
Distance of dam from Section lines _____ ft from ☐ N ☐ S, _____ ft from ☐ E ☐ W

Utilizing GPS: Set to UTM Datum. Measured on crest of dam above streamline/outlet.
N39°05'38.09" W107°28'04.98"

Note: GPS settings must be NAD83 CONUS (NAD83 Zone 13N used).

Dam Dimensions: Vertical Height³: 9.76' max., Length: 950 LF, ft., Slopes: U/S: 3 H:1V, D/S 3 H:1V

Reservoir: Surface Area¹: 2.32 acres, Capacity¹: 27.2 acre feet, Drainage Area: NA acres

Emergency Spillway: Width: see Attachment 1 ft., Side Slopes: 3:1 H:1V, Freeboard⁴: 2 ft

Outlet Drain: Type: not required, Size: n/a inches, Location: n/a

Stream Name or Water Source⁵: produced water from oil and gas exploration activities

Proposed Water Use: beneficial reuse and disposal Water Court Case No. (If applicable) n/a

Signature of Owner

Date

DIVISION ENGINEER'S REQUIREMENTS:

Signature of Division Engineer

Date

DWR (03/07)

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Construction Contractor to be determined

STRUCTURE INFORMATION

Name of Dam: Spadafora Water Storage Facility-South Pit Water Division: 4 Water District: 40

Location²:

• Option 1 →

OR

• Option 2 →

1/4 / 1/4 Sect: _____ 1/4 of the _____ 1/4; Sect: _____, Township: _____, Range: _____ P.M.
Distance of dam from Section lines _____ ft from ☐ N ☐ S _____ ft from ☐ E ☐ W

Utilizing GPS: Set to UTM Datum. Measured on crest of dam above streamline/outlet.
N39 05' 29.72" W107 28' 07.55"
Note: GPS settings must be NAD83 CONUS (NAD83 Zone 13N used).

Dam Dimensions: Vertical Height³: 9.76' max., Length: 920 LF ft., Slopes: U/S: 3 H:1V, D/S: 3 H:1V

Reservoir: Surface Area¹: 2.21 acres, Capacity¹: 27.7 acre feet, Drainage Area: NA acres

Emergency Spillway: Width: see Attachment 1 ft., Side Slopes: n/a H:1V, Freeboard⁴: 2 ft

Outlet Drain: Type: not required, Size: n/a inches, Location: n/a

Stream Name or Water Source⁵: produced water from oil and gas exploration activities

Proposed Water Use: beneficial reuse and disposal Water Court Case No. (If applicable) n/a

Signature of Owner

Date

DIVISION ENGINEER'S REQUIREMENTS:

Signature of Division Engineer

Date

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GUNNISON ENERGY LLC
AN OXBOW COMPANY

September 3, 2014

Ms. Kathryn Dolan
Colorado Department of Public Health and Environment
WQCD-P-B2
4300 Cherry Creek Drive South
Denver, CO 80246-1430

RE: Amendment to Stormwater discharge Permit No. COR-035658 to Construct the Spadafora Water Storage Facility

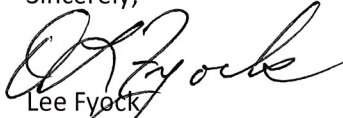
Dear Ms. Dolan:

Gunnison Energy LLC (GE) requests amending the Stormwater Discharge Permit No. COR-035658 – Sheep Creek Gathering System to include the construction of the Spadafora Water Storage Facility in Section 17 and Section 20, Township 11 South, Range 90 West, Gunnison County.

The receiving waters would be West Muddy Creek located approximately 2.7 miles south of the proposed construction site. Construction is expected to start on or near May 1, 2015 and will continue through September 2016. Disturbance estimate for the facility is approximately 19 acres for the water storage pits. Reclamation will commence immediately upon completion of the facility.

If you have any questions concerning the project please contact me at 303-296-4222.

Sincerely,



Lee Fyock
Vice President

STATE OF COLORADO

Bill Ritter, Jr., Governor
James B. Martin, Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S.
Denver, Colorado 80246-1530
Phone (303) 692-2000
TDD Line (303) 691-7700
Located in Glendale, Colorado

Laboratory Services Division
8100 Lowry Blvd.
Denver, Colorado 80230-6928
(303) 692-3090

<http://www.cdphe.state.co.us>



Colorado Department
of Public Health
and Environment

June 20, 2007

Brad Robinson, Vice President
Gunnison Energy Corporation,
1801 Broadway Ste. 1200
Denver, CO 80202
303/296-4222

RE: Final Permit, Colorado Discharge Permit System – Stormwater
Certification No: COR-035658
Sheep Gas Gathering System
Gunnison Delta County
Local Contact: *Neal Allen*
~~Mark McCallister~~, Manager, Operations
303/ 296-4222

Dear Sir or Madam:

Enclosed please find a copy of the new permit and certification which have been re-issued to you under the Colorado Water Quality Control Act.

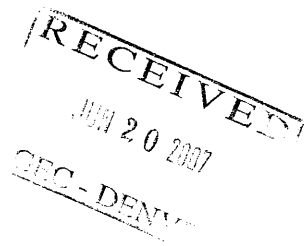
Your old permit expires on June 30, 2007. This is a renewal to the permit, and replaces the old one. See page 2 of the Rationale (the pages in italics) for a summary of the changes to the permit.

Your Certification under the permit requires that specific actions be performed at designated times. You are legally obligated to comply with all terms and conditions of the permit.

Please read the permit and certification. If you have any questions please visit our website at : www.cdphe.state.co.us/wq/permitsunit/stormwater or contact Matt Czahor at (303) 692-3517.

Sincerely,

Kathryn Dolan
Stormwater Program Coordinator
Permits Unit
WATER QUALITY CONTROL DIVISION
xc: Regional Council of Governments
Local County Health Department
District Engineer, Technical Services, WQCD
Permit File



STATE OF COLORADO

COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT
WATER QUALITY CONTROL DIVISION
TELEPHONE: (303) 692-3500



**CERTIFICATION TO DISCHARGE
UNDER
CDPS GENERAL PERMIT COR-030000
STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION**

Certification Number **COR035658**

This Certification to Discharge specifically authorizes:

Gunnison Energy Corporation

LEGAL CONTACT:

Brad Robinson, Vice President

Gunnison Energy Corporation

1801 Broadway Ste. 1200

Denver, CO 80202

Phone # 303/296-4222

LOCAL CONTACT:

***Mark McCallister, Manager,
Operations,***

Phone # 303/296-4222

970-874-4333

During the Construction Activity: **Gas/Oil Field Exploration and/or
Development**

to discharge stormwater from the facility identified as **Sheep Gas Gathering
System**

which is located at:

FR 125 & FR 127

Various, Co

Latitude **~~39/00/40~~**, Longitude **~~107/50/22~~**

In **~~Delta County~~**

Gunnison County

to: Sheep Creek -- Colorado River

Anticipated Activity begins **09/15/2003** continuing through **11/30/2003**

On **30.13** acres (**30.13** acres disturbed)

Certification is effective: **07/01/2007**

Certification Expires: **06/30/2012**

Annual Fee: \$245.00 * (**DO NOT PAY NOW** - A prorated bill will be sent shortly.)