



V1.4

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS MANAGEMENT

DEP USE ONLY
Inspection Record #: 2977607
Enforcement Record #:
Complaint Record #:

## SURFACE ACTIVITIES INSPECTION REPORT

DEP Office	New Stanton Oil & Gas Office	Inspection Type	PF
Address	131 Broadview Road	Permit or Reg. #	125 - 28566
Addr Cont	New Stanton, PA 15672	ESCGP #	
Oper. Name	RANGE RESOURCES APPALACHIA LLC	Site #	767282
Oper. Address	3000 TOWN CENTER BLVD, CANONSBURG, PA, 15317-5839	Project #	
Resp. Official Name		Farm Name & Well #	GODWIN GEORGE UNIT 15H
Resp. Official Phone		Other Info	
Latitude	40.34289	Longitude	-80.40537
County	Washington	Municipality	Cross Creek Township
Inspection Code	FUI - Follow-up Inspection	Facility	Multi-Well Pad
Permits / Auth	Well Permit	Site Phase	Restored/Prod
Well Info	Unconventional	Well Kind & Description	

### Producing Formation

MARCF - MARCELLUS

### REMARKS:

This inspection is being conducted as a follow up to a Restoration Inspection conducted on 11/12/2019 (See Inspection 2959521). Only the areas of the site associated with violations are being inspected during this visit.

The Act 9 Sign is in place and appears to be in good condition.

The access road appears to have various accelerated erosion rills along its length from the entrance to the pad. The Department recommends that the operator maintain the access road to prevent further accelerated erosion and sedimentation from occurring.

The temporary storage tank appears to have been removed from the site. As a result, violation 78a.56(a)8 is being closed effective 1/2/2020.

The interceptor channel 2 running to forebay 1 appears to have accelerated erosion channels. The Department recommends that the operator maintain PCSM features to prevent additional accelerated erosion from occurring.

The forebay appears to be filling with sediment, which may be negatively impacting the operation of wet pond 1. The Department recommends the forebay be maintained to prevent an excessive amount of sediment from accumulating.

It appears that the operator has put up some straw bale barriers at the discharge point associated with the riprap apron below wet pond 1 (mentioned in inspection 2959521) along with an erosion control blanket along the erosion channel to the edge of the LOD of previous accelerated erosion. Based on the Department's observation, accelerated erosion appears to still be occurring as water pools around the straw bales. Per the E&S Manual's Standard Construction Detail # 4-13 it does not appear that this corrective measure was constructed properly. Additionally, according to the E&S Manual on page 233, riprap aprons should be constructed at or near zero grade. It appears that this riprap apron is slanted to one side which is causing water to pool, and thus creating the accelerated erosion that is being observed at the site. The Department recommends that the operator maintain these features to prevent continued accelerated erosion.

The outlet pipe for the under drain mentioned as part of inspection 2959521 has what appears to be riprap dumped over top of it and is still continuously discharging water which appears to be continuing to erode a channel through the field. The Department recommends that the operator maintain this feature to prevent continued accelerated erosion from occurring.

Based on these observations the violation for the temporary storage tank will be closed. All other violations will remain outstanding.

Category	Subcategory	Inspection Remarks / Violations / Violation Remarks	I	R	V
Encroachments	E & S Control Requirements	Inspection Remarks: Failure to minimize erosion to stream bank	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	Continuing: Yes	Violation:			

		105.46(b) - IMPLEMENTATION OF EROSION AND SEDIMENTATION CONTROL PLANS – Permittee failed to conduct construction in a manner to minimize erosion of banks and bed of the stream and disturbance of the regimen of the stream. <b>Violations Date:</b> 01-02-2020 <b>Violation Remarks:</b>	
<b>Erosion &amp; Sediment Control</b>	E &S Control Requirements Continuing: Yes	<b>Inspection Remarks:</b> Accelerated erosion is continuing at site. <b>Violation:</b> 102.11(a)1 - Person failed to design, implement and maintain E &S BMPs to minimize the potential for accelerated erosion and sedimentation to protect, maintain, reclaim and restore water quality and existing and designated uses. <b>Violations Date:</b> 01-02-2020 <b>Violation Remarks:</b>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	Continuing: Yes	<b>Violation:</b> 102.4(b)1 - Person conducting earth disturbance activity failed to implement and maintain E &S BMPs to minimize the potential for accelerated erosion and sedimentation. <b>Violations Date:</b> 01-02-2020 <b>Violation Remarks:</b>	
	Continuing: Yes	<b>Violation:</b> 78a53 - Person proposing or conducting earth disturbance activities associated with oil and gas operations failed to comply with 25 Pa. Code § 102. <b>Violations Date:</b> 01-02-2020 <b>Violation Remarks:</b>	
	Continuing: Yes	<b>Violation:</b> 102.22(a) - SITE STABILIZATION – PERMANENT STABILIZATION – Permittee failed to have site permanently stabilized and protected from accelerated erosion and sedimentation upon final completion of earth disturbance activity. <b>Violations Date:</b> 01-02-2020 <b>Violation Remarks:</b>	
<b>Restorations</b>	PCSM Requirements Continuing: Yes	<b>Inspection Remarks:</b> Failure to maintain PCSM BMP's <b>Violation:</b> 102.11(A)2 - Person failed to design, implement and maintain PCSM BMPs to mimic preconstruction stormwater runoff conditions to protect, maintain, reclaim and restore water quality and existing and designated uses. <b>Violations Date:</b> 01-02-2020 <b>Violation Remarks:</b>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
	Continuing: Yes	<b>Violation:</b> 102.8(m)1 - PCSM REQUIREMENTS – LONG TERM OPERATION AND MAINTENANCE REQUIREMENTS – Permittee or co-permittee failed to be responsible for long term O &M of PCSM BMPs and no different person was identified on the NOT. <b>Violations Date:</b> 01-02-2020 <b>Violation Remarks:</b>	
<b>Waste Control &amp; Disposal</b>	Temporary Storage	<b>Inspection Remarks:</b> Temporary FRAC tank removed	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>

Inspection Results	Files Attached	Photos Attached	Date Inspected
OUTST - Outstanding Violations - Viols Req'd	<input type="checkbox"/>	<input checked="" type="checkbox"/>	01-02-2020 11:30 AM

**INSPECTOR SIGNATURE**



**BENJAMIN GRAY, Environmental Trainee**  
**Arrival Date: 01/02/2020 11:30 AM**  
**Depart Date: 01/02/2020 12:24 PM**

<b>Inspector Names</b>
ANDREW ZADZILKO
ERIC NORMAN

Notice of Violation(s)	
Citation	Description of Violation
25 Pa. Code § 102.4(b)1	102.4(b)1 EROSION AND SEDIMENT CONTROL REQUIREMENTS - Person conducting earth disturbance activity failed to implement and maintain E &S BMPs to minimize the potential for accelerated erosion and sedimentation.
25 Pa. Code § 102.8(m)1	102.8(m)1 PCSM REQUIREMENTS – LONG TERM OPERATION AND MAINTENANCE REQUIREMENTS – Permittee or co-permittee failed to be responsible for long term O &M of PCSM BMPs and no different person was identified on the NOT.
25 Pa. Code § 102.11(a)1	102.11(a)1 GENERAL REQUIREMENTS – BMP AND DESIGN STANDARDS - Person failed to design, implement and maintain E &S BMPs to minimize the potential for accelerated erosion and sedimentation to protect, maintain, reclaim and restore water quality and existing and designated uses.
25 Pa. Code § 102.22(a)	102.22(a) SITE STABILIZATION – PERMANENT STABILIZATION – Permittee failed to have site permanently stabilized and protected from accelerated erosion and sedimentation upon final completion of earth disturbance activity.
25 Pa. Code § 105.46(b)	105.46(b) IMPLEMENTATION OF EROSION AND SEDIMENTATION CONTROL PLANS – Permittee failed to conduct construction in a manner to minimize erosion of banks and bed of the stream and disturbance of the regimen of the stream.
25 Pa. Code § 102.11(a)(2)	102.11(A)2 GENERAL REQUIREMENTS – BMP AND DESIGN STANDARDS - Person failed to design, implement and maintain PCSM BMPs to mimic preconstruction stormwater runoff conditions to protect, maintain, reclaim and restore water quality and existing and designated uses.
25 Pa. Code § 78a.53	78a53 EROSION AND SEDIMENT CONTROL AND STORMWATER MANAGEMENT - Person proposing or conducting earth disturbance activities associated with oil and gas operations failed to comply with 25 Pa. Code § 102.

Note: This Notice of Violation is neither an order nor any other final action of the Department of Environmental Protection. It neither imposes nor waives any enforcement action available to the Department under any of its statutes. If the Department determines that an enforcement action is appropriate, you will be notified of the action.

58 Pa.C.S. § = Act 13(OGA) • 25 Pa.Code § • 35 P.S. § 6018. = Solid Waste Management Act • 35 P.S. § 691. = Clean Streams Law

#### Instructions Response

You are requested to respond as indicated below by . If applicable, please include the description of activities you will pursue to achieve compliance with the statutes or regulations cited above. Address your reply to the DEP representative named below.

No further response required at this time

Permit Reg. No.	Violation Date	DEP Rep	Cert Mail #	Mail Date
	01-02-2020	BENJAMIN GRAY		

Inspection Images

ilimage1577994675242



Lat: 40.34053833333335, Long: -80.41091166666666 01/02/2020 11:31:53 AM

Photo #1 Act 9 Sign

ilimage1577994677667



Lat: 40.34043, Long: -80.41094166666667 01/02/2020 11:32:11 AM

Photo #2 Accelerated erosion channel at access road entrance

ilimage1577994680697



Lat: 40.34241333333333, Long: -80.40416333333334 01/02/2020 11:38:05 AM

Photo #3 Accelerated erosion channel in interceptor channel 2

ilimage1577994683158



Lat: 40.34203333333333, Long: -80.40506166666667 01/02/2020 11:40:40 AM

Photo #4 forebay to wet pond 1

ilimage1577994685755



Lat: 40.341611666666665, Long: -80.40439666666667 01/02/2020 11:44:12 AM

Photo #5 Riprap Apron incident site

ilimage1577994688717



Lat: 40.34139166666667, Long: -80.40448 01/02/2020 11:44:51 AM

Photo #6 Repair area

ilimage1577994691705



Photo #7 Straw bale barrier

ilimage1577994694674



Photo #8 Below first set of straw bale barriers

ilimage1577994697496



Photo #9 Riprap apron to straw bale barrier

ilimage1577994700408



Photo #10 straw bale barrier with accelerated erosion



ilimage1577994703365



Lat: 40.34136666666666, Long: -80.40451666666666 01/02/2020 11:47:57 AM

Photo #12 accelerated erosion

ilimage1577994706291



Lat: 40.34140333333333, Long: -80.40450333333334 01/02/2020 11:48:05 AM

Photo #13 accelerated erosion

ilimage1577994709277



Lat: 40.3414283333333, Long: -80.4046033333333 01/02/2020 11:48:24 AM

Photo #14 Accelerated erosion channel

ilimage1577994712128



Lat: 40.341361666666664, Long: -80.404625 01/02/2020 11:48:52 AM

Photo #15 Off LOD

ilimage1577994717884



Lat: 40.3416033333333, Long: -80.4048833333333 01/02/2020 11:50:16 AM

Photo #16 Riprap over top outlet drain

ilimage1577994720682



Lat: 40.341625, Long: -80.4047866666667 01/02/2020 11:50:25 AM

Photo #17 Accelerated channel from outlet drain