

DEP Office	New Stanton Oil & Gas Office	Inspection Type	PF
Address	131 Broadview Road	Permit or Reg. #	003-22657
Addr Cont	New Stanton, PA 15672	ESCGP #	----
Oper. Name	RANGE RESOURCES APPALACHIA LLC	Site #	866458
Oper. Address	3000 TOWN CENTER BLVD CANONSBURG, PA 15317-5839	Project #	SUN MINE OG WELL PAD
Resp. Official Name		Farm Name & Well #	Sun Mine Well Site
Resp. Official Phone		Other Info	----
Latitude	40.66979	Longitude	-79.81354
County	Allegheny	Municipality	Fawn Township
Inspection Code	INCDT - Incident- Response to Accident or Event	Facility	----
Permits/Auths	Well Permit	Site Phase	Drill/Alt
Well Info	Unconventional	Well Kind & Description	Horizontal Well

## GENERAL COMMENTS

On May 13, 2024 the Department conducted an incident inspection in regards to a spill that occurred at the Sun Mine Well Site (ESCGP-3 issued on 9/11/2023 and expires on 9/10/2028) on May 10, 2024.

According to Derek Zofchak of Range Resources, the spill occurred at 12 PM when drill cuttings and soap slurry fluid entered the flare stack eco tank (which normally separates fluids from gas), the float on the pump within the eco tank malfunctioned and as a result, fluid (approximately 30 gallons of drill cuttings and soap slurry) that normally would not get carried over to the flare stack ended up spewing out of the flare stack as a fine mist onto the graveled well pad and well pad fill slope.

At the time of the inspection, Range Resources notified the Department that the spill had been remediated. Two roll off dumpsters were on site filled with waste material, the well pad appeared to be scraped on the left hand side of the flare stack, and new seed and mulch was seen on the the fill slope and berm directly in front of and to the left-hand side of the flare stack. Soil conductivity readings were taken to determine if any areas were still contaminated, a background was done on the far back side of the well site perimeter upslope (0.03 mS) then readings were taken outside of the approximate release area to the far left of the flare stack on the pad (0.0085 mS and 0.016 mS), then moving forward into the approximate release area (0.0146

mS), another was taken fairly close to the flare stack on the left-hand side in a wet looking spot in the gravel (0.327 mS), directly next to the flare stack in a wet-looking section of gravel (0.293 mS). Then a reading was taken from the right side of the flare stack where Range claims was not impacted and therefore was not scrapped (0.088 mS). A reading was taken directly behind the flare stack right at the base of the berm before the fill slope (0.138 mS), in the berm directly behind the flare stack (0.081 mS), outside of the area that Range replaced on the fill slope where they say was not impacted (0.130 mS), and lastly three were taken from the area of the fill slope that was replaced (0.100 mS, 0.131 mS and 0.209 mS). Based on the soil conductivity readings, it appears that all contaminated material that was present on the fill slope, berm and the well pad to the left/in front of the flare stack has been removed.

Range stated that the flare stack eco pump was taken apart for examination and nothing was found to be wrong with it. According to Range this was just a random malfunction and they do not anticipate that it will occur again. The Department recommends Range place the flare stack inside secondary containment in case this were to occur again.

Based on today's inspection the Department concludes this release has been immediately corrected in accordance with 78a.66(c)(1).

## REMARKS / VIOLATIONS

Category	Sub-Category	Inspection Remarks / Violations / Violation Remarks	I	R	V
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Spills & Releases

1: Clean Streams **Inspection Remark:**



Law: Clean  
Streams Law

CLOSED: CRCTD -  
Corrected/Abated

**Violation:**CSL 402(b) - POTENTIAL POLLUTION - Conducting an activity regulated by a permit issued pursuant to Section 402 of The Clean Streams Law to prevent the potential of pollution to waters of the Commonwealth without a permit or contrary to a permit issued under that authority by the Department.

**Violation Date:** 2024-05-13

**Violation Remarks:** Approx 30 gallons of drill cutting and soap slurry

1: Reporting /  
Remediating  
Releases:  
Reporting /  
Remediating  
Releases

**Inspection Remark:**



CLOSED: CRCTD -  
Corrected/Abated

**Violation:**91.34(A) - ACTIVITIES UTILIZING POLLUTANTS - Failure to take necessary measures to prevent the substances from directly or indirectly reaching waters of this Commonwealth, through accident, carelessness, maliciousness, hazards of weather or from another cause.

**Violation Date:** 2024-05-13

**Violation Remarks:** Approx 30 gallons of drill cuttings and soap slurry

Waste Control &  
Disposal

1: Waste **Inspection Remark:**

Management

General: Waste

Management

General

CLOSED: CRCTD -  
Corrected/Abated

**Violation:**78a54 - GENERAL REQUIREMENTS - Operator failed to control and dispose of fluids, residual waste and drill cuttings, including tophole water, brines, drilling fluids, drilling muds, stimulation fluids, well servicing fluids, oil, and production fluids in a manner that prevents pollution of the waters of the Commonwealth and in accordance with 25 Pa. Code §§ 78a.55 – 78a.58 and 78a.60 – 78a.63.

**Violation Date:** 2024-05-13**Violation Remarks:** Approx 30 gallons of drill cuttings and soap slurryCLOSED: CRCTD -  
Corrected/Abated

**Violation:**SWMA 301 - MANAGEMENT OF RESIDUAL WASTE - Person operated a residual waste processing or disposal facility without obtaining a permit for such facility from DEP. Person stored, transported, processed, or disposed of residual waste inconsistent with or unauthorized by the rules and regulations of DEP.

**Violation Date:** 2024-05-13**Violation Remarks:** Approx 30 gallons of drill cuttings and soap slurry1: Well Site **Inspection Remark:**

Secondary

Containment: Well

Site Secondary

Containment

CLOSED: CRCTD -  
Corrected/Abated

**Violation:**OGA3218.2(A) - CONTAINMENT FOR UNCONVENTIONAL WELLS - SITES - Failure to design and construct unconventional well site to prevent spills to the ground surface and off well site.

**Violation Date:** 2024-05-13**Violation Remarks:** Approx 30 gallons of drill cutting and soap slurry



v1.2.18

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

## SURFACE INSPECTION REPORT

DEP USE  
ONLYComplaint Record  
No.Inspection Record  
No.  
3762956Enforcement Record  
No.

## Inspection Results

## Files Attached

## Photos Attached

## Date Inspected

VIOIC - Viol(s) Noted &amp; Immediately Corrected



05/13/2024

## SIGNATURE

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke.

TORI LA BIRT, ENVTL TRN

Arrival: 05/13/2024 11:00:00 AM, Departure: 05/13/2024 11:50:00 AM

## INSPECTION IMAGES



#: 1

Act 9 Sign



#: 2

Flare Stack, berm & replaced fill slope



**SURFACE INSPECTION REPORT**Complaint Record  
No.Enforcement Record  
No.

v1.2.18



#: 3

replaced berm



#: 4

Replaced fill slope



#: 5

Impacted area



#: 6

Impacted area, you can see where they stopped scraping





#: 7

Impacted area leading up to flare stack



#: 8

Flare Stack

**SURFACE INSPECTION REPORT**

v1.2.18



#: 9

Background reading 0.03 mS



#: 10

Roll off dumpster 1





#: 11

Roll off dumpster 2



#: 12

Far left outside approx release area



#: 13

Far left outside approx release area



#: 14

Inside approx release area left of flare stack



**SURFACE INSPECTION REPORT**Complaint Record  
No.Enforcement Record  
No.

v1.2.18



#: 15

Left of flare stack, wet mud spot



#: 16

In front of flare stack wet spot

**SURFACE INSPECTION REPORT**Complaint Record  
No.Enforcement Record  
No.

v1.2.18



#: 17

Right side of flare stack



#: 18

Behind flare stack before burn





#: 19

In berm behind flare stack



#: 20

Outside of the replaced fill slope area



#: 21

Line where replaced fill slope ends



#: 22

Inside fill slope where it was replaced



**SURFACE INSPECTION REPORT**Complaint Record  
No.Enforcement Record  
No.

v1.2.18



#: 23

Just outside of replaced slope



#: 24

Inside replaced fill slope