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COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

DEP USE ONLY Inspection Record No. 3762956

SURFACE INSPECTION REPORT Complaint Record

aint Record Enforcement Record No.

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

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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		spection Remark:		
	Law: Clean			
	Streams Law			
	CLOSED: CRCTD -	Violation:CSL 402(b) - POTENTIAL POLLUTION - Conducting		
	Corrected/Abated	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 / Ins	spection Remark:		
	Remediating			
	Releases:			
	Reporting /			
	Remediating			
	Releases			
	CLOSED: CRCTD -	Violation:91.34(A) - ACTIVITIES UTILIZING POLLUTANTS -		
	Corrected/Abated	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 &	L	·		

Disposal



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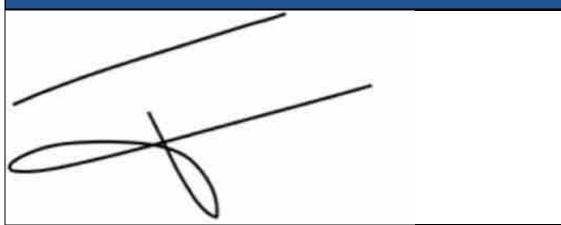
No.

1.2.10			
1: Waste Ins	spection Remark:		
Management			
General: Waste			
Management			
General			
CLOSED: CRCTD -	Violation:78a54 - GENERAL REQUIREMENTS - Operate	or failed	
Corrected/Abated	to control and dispose of fluids, residual waste and drill cu	uttings,	
	including tophole water, brines, drilling fluids, drilling mud	S,	
	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 §§ 7	78a.55 –	
	78a.58 and 78a.60 – 78a.63.		
	Violation Date: 2024-05-13		
	Violation Remarks: Approx 30 gallons of drill cuttings an	id soap	
	slurry		
CLOSED: CRCTD -	Violation:SWMA 301 - MANAGEMENT OF RESIDUAL V	VASTE -	
Corrected/Abated	Person operated a residual waste processing or disposal	facility	
	without obtaining a permit for such facility from DEP. Pers	son	
	stored, transported, processed, or disposed of residual wa	aste	
	inconsistent with or unauthorized by the rules and regulat	ions of	
	DEP.		
	Violation Date: 2024-05-13		
	Violation Remarks: Approx 30 gallons of drill cuttings an	id soap	
	slurry		
1: Well Site Ins	spection Remark:		
Secondary			
Containment: Well			
Site Secondary			
Containment			
CLOSED: CRCTD -	Violation:OGA3218.2(A) - CONTAINMENT FOR		
Corrected/Abated	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	l soap	
	slurry		

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Inspection Results	Files Attached	Photos Attached	Date Inspected
VIOIC - Viol(s) Noted & Immediately Corrected			05/13/2024

# SIGNATURE



TORI LA BIRT, ENVTL TRN

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



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# **INSPECTION IMAGES**







Flare Stack, berm & replaced fill slope

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#: 1

Act 9 Sign







#: 3

replaced berm

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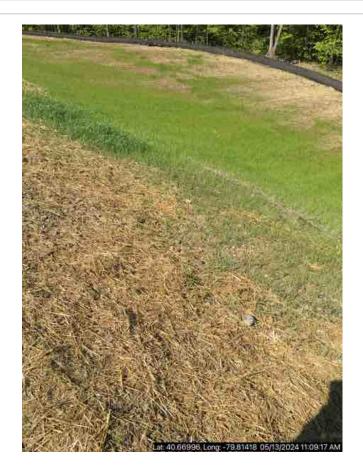
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Replaced fill slope



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Impacted area

#: 5

Impacted area, you can see where they stopped scraping



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Impacted area leading up to flare stack

#: 8

Flare Stack



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Background reading 0.03 mS





Roll off dumpster 1



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#: 11

Roll off dumpster 2





Far left outside approx release area



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Far left outside approx release area

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Inside approx release area left of flare stack



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Left of flare stack, wet mud spot





In front of flare stack wet spot



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Right side of flare stack





Behind flare stack before burm



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In berm behind flare stack





Outside of the replaced fill slope area



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Line where replaced fill slope ends





Inside fill slope where it was replaced



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Just outside of replaced slope





Inside replaced fill slope