



Cardiff Capitol Region

REGULATION 61(1) RESPONSE - LANDFILL GAS

EPR/DP3432SW





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WSP

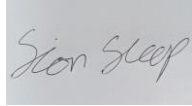


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QUALITY CONTROL

Issue/revision	First issue	Revision 1	Revision 2	Revision 3
Remarks	Client issue			
Date	28/11/2023			
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REGULATION 61 (1) - RESPONSE

WSP UK Ltd has been instructed by Cardiff Capitol Region (CCR) Energy Limited to prepare a response to the Reg 61(1) notice on their behalf. Please find the responses below.

BACKGROUND

On the 26th of September 2023 CCR Energy Limited (CCR) received a Regulation 61(1) request regarding landfill gas. WSP UK Ltd has been instructed to prepare a response on their behalf. Please find the responses below.

PERMIT SUMAMRY

The sites permit (ERP/DP3432SW) was transferred from RWE Npower plc to CCR Energy Limited on 14/03/2023.

The site status is non-operational and no longer accepts waste. The site historically reached its maximum allowable height and has been restored as per plans approved by the Local Authorities. During its operational phase, the site accepted solely Pulverised Fuel Ash (PFA) produced at Aberthaw Power Station B. The site has not accepted any waste since Quarter 1 of 2021. The PFA has been classified as non-hazardous waste.



REGULATION 61(1) RESPONSE

1. Does the landfill site have a gas collection system?

No, there is no active management of Methane on the PFA.

2. Does the landfill site have a gas management plan?

Yes

3. The mass or volume of methane, or mass or volume of landfill gas combusted in an engine for the previous 2 years.

0

4. The mass or volume of methane, or mass or volume of landfill gas flared for the previous 2 years.

0

5. If gas volumes are reported above, the mean methane concentration of the landfill gas.

N/A

6. If gas volumes are reported above, the mean landfill gas flow.

N/A

7. If gas volumes are reported above, the hours of operating.

N/A

8. If gas volumes are reported above, the temperature of the gas flared (optional).

N/A

9. The methods used to measure, calculate, or estimate items 4 to 8 if applicable.

N/A

10. Information on the gas engine type, capacity (thermal input) and age

N/A

11. Information of the flare type, capacity, height and age.

N/A



Landfill Gas					
Does the site have a landfill gas collection system?	No	Is the landfill gas collected measured, estimated or calculated?	N/A	Does the site have a gas management plan?	Yes

Year	METHANE % AND GAS FLOW		GAS UTILISATION			
	Methane concentration of landfill gas %v/v (mean)	Landfill Gas Flow m ³ /hr (mean)	Gas utilization at the landfill (yes or no)	Gas utilized	Methane utilized m ³ /yr	KWh generated
2023	-	-	-	-	-	-
2022	-	-	-	-	-	-
2021	-	-	-	-	-	-

Year	FLARE					
	Flare present	Landfill Gas Flared m ³ /yr	Methane flared m ³ /yr	Hours of flare operating (Hrs total)	Gas engine type. Comment on number and type/spec of engines. Engine capacity. Age. Hours run.	Flare type. Comment on type/spec of flare. Flare capacity. Flare height. Age. Temperature of flare.
2022	No	-	-	-	-	-
2021	No	-	-	-	-	-



Any additional notes

Data provided by Sion Sleep

Date: 28 November 2023

Contact telephone number: N/A



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