

Permit Number : EPR/DP3923RS	Operator : Biomass UK No.1 LLP
Facility : Hull Energy Production Facility	Form Number: Residues 1 / 26/04/2024

Reporting of residue quality for the period from 01/01/2024 to 31/03/2024

Ash Composition (TOC/LOI)			
	LOI (%)	% Carbon (TOC) ^{w/w}	
Bottom Ash	*<0.2	*0.45	

* At least one of LOI or TOC to be reported.

Ash Composition - Metals													
	Sb mg/kg	Cd mg/kg	Tl mg/kg	Hg mg/kg	Pb mg/kg	Cr mg/kg	Cu mg/kg	Mn mg/kg	Ni mg/kg	As mg/kg	Co mg/kg	V mg/kg	Zn mg/kg
Bottom ash	254.6	9.735	<0.1	<0.10	346.5	233.5	4750	1150	226.5	39.1	189	51.55	2560
Fly ash													
APC residues	282.8	18	<0.1	0.52	666	147	3780	636	91.1	20	79	43.1	1980
Other solid residues													

Ash composition dioxins and dioxin-like PCBs					
	DIOXIN I-TEQ ng/kg	DIOXIN WHO-TEQ ng/kg			DIOXIN-LIKE PCBs ng/kg
		Humans / mammals	Birds	Fish	
Bottom ash	65.7	60.6	94.6	67.8	341

Fly ash					
APC residues	3904	3505	5383	3661	19030
Other solid residues					

Note: Values reported are average of 2 x IBA samples and 1 x APCr sample tested in September. No IBA/APCr data was generated during August due to the plant going offline.
September results are currently under third party analysis and will be provided in November.

Signed: 

Charlie Holmes (Sol Environment).....

Date...26/04/2024

(authorised to sign as representative of Biomass UK No.1 LLP)

Permit Number : EPR/DP3923RS	Operator : Biomass UK No.1 LLP
Facility : Hull Energy Production Facility	Form Number : Residues 2 / 26/04/2024

Reporting of Ash Solubility for the period from 01/01/2024 to 31/03/2024

Ash solubility – total soluble fractions	
	Total soluble fraction %
Bottom ash	
Fly ash	
APC residues	
Other solid residues	

Ash Solubility - Metals													
	Sb mg/kg	Cd mg/kg	Tl mg/kg	Hg mg/kg	Pb mg/kg	Cr mg/kg	Cu mg/kg	Mn mg/kg	Ni mg/kg	As mg/kg	Co mg/kg	V mg/kg	Zn mg/kg
Bottom ash													
Fly ash													
APC residues													
Other solid residues													

Note: N/A as no new ash disposal or recycling route

Signed :  ...Charlie Holmes (Sol Environment).....
(authorised to sign as representative of Biomass UK No.1 LLP)

Date...26/04/2024

