

Permit Reference Number : BV8067IL

Operator :Veolia ES South Downs Ltd.

INSTALLATION : NEWHAVEN ERF

FORM NUMBER : AGENCY FORM /BV8067IL/ R1

Reporting of Waste Disposal and Recovery for the year 2016.

Waste Description	Disposal Route	Tonnes	Recovery Tonnes
1) Hazardous Wastes			
APC (Empire Work)	For treatment/Disposal	6,748	0
APC (Minosus limited)	For treatment/Disposal	48	0
Other hazardous wastes	/	/	/
Total hazardous waste	For treatment	6,796	0
2) Non-Hazardous Wastes			
Ferrous metals	For recycling	4,296	4,296
IBA	For recycling	44,752	44,752
Total non-hazardous waste		49,048	49,048
TOTAL WASTE	-	55,844	49,048

Trends in Waste Disposal and Recovery			
Year	Parameter	Total Waste	Waste per unit output
2012	APC residue	7,897	0.035
2012	IBA	46,486	0.207
2012	Ferrous Metals	4,235	0.019
2013	APC residue	7,774	0.033
2013	IBA	48,667	0.207
2013	Ferrous Metals	4,220	0.018
2014	APC residue	7,679	0.032
2014	IBA	50,002	0.208
2014	Ferrous Metals	4,460	0.018
2015	APC residue	7,125	0.030
2015	IBA	48,275	0.202
2015	Ferrous Metals	4,118	0.017
2016	APC residue	6,796	0.029
2016	IBA	44,752	0.192
2016	Ferrous Metals	4,296	0.018

Operator's comments :

In addition to this document representing the Report on Waste Disposal and Recovery for Newhaven Energy Recovery Facility (ERF) it is also submitted to the Agency in accordance with Condition 4.1.9 of Environmental Permit BV8067IL.

Veolia ES South Downs sends the IBA and Ferrous metals from Newhaven ERF to approved re-processors for complete recovery. APC residue is sent for treatment to Veolia Empire works where it is currently treated in a physio-chemical process to produce a non-hazardous waste sent to landfill.

Signed
(authorised to sign as representative of Operator)

Date...24.01.2017.....

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INSTALLATION : NEWHAVEN ERF

FORM NUMBER : AGENCY FORM /BV8067IL/ WU

Reporting of Water Usage for the year 2016

Water Source	Usage (m ³)	Specific Usage (m ³ /t)
Mains water	44,685	0.192
Site borehole	0	
River abstraction	0	
TOTAL WATER USAGE	44,685	0.192

Trends in Water Usage			
Year	Parameter		
	Named Water source	Total Water usage	Water per unit output
2012	Main	46,208	0.205
2013	Main	47,058	0.201
2014	Main	46,449	0.194
2015	Main	47,365	0.199
2016	Main	44,685	0.192

Operator's comments :

Water usage includes domestic use.

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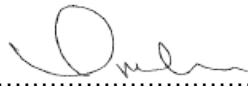
Reporting of Energy Usage for the year 2016

Energy Source	Energy Usage		
	Quantity	Primary Energy (MWh)	CO ₂ Produced (tonnes)
Electrical Energy generated and used on installation	19241(MWh)	75040	12457
Electricity Imported	128 (MWh)	333	55
Gas Oil	2577 (MWh)	2036	509
TOTAL	21946(MWh)	77409	13021

Trends in Energy Usage			
Year	Parameter		
	Primary Energy usage	CO ₂ produced	CO ₂ per unit output
2012	72106	12567.02	0.086
2013	75350.1	12714.9	0.084
2014	75369.6	12088.25	0.083
2015	76358	12848	0.085
2016	77409	13021	0.087

Operator's comments :

Conversion factor for delivered electricity to primary energy = 2.6 (Import) 3.9 (Export)

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Reporting of Performance Indicators for the year 2016

Total Municipal Waste Incinerated	196,173	tonnes
Total other wastes incinerated	36,953	tonnes
Electrical Energy generated and exported	130,986	MWhrs
Electrical Energy generated and used on installation	19,241	MWhrs

Environmental Performance Indicators

Supplementary Fuel Oil	0.39	0.74	2.19	0.13	kg/tonne of waste incinerated
Mass of bottom ash produced	185.7	200.8	200.9	183.7	kg/tonne of waste incinerated
Mass of APC residues produced	29.28	28.89	30.67	28.26	kg/tonne of waste incinerated
Mass of carbon used	0.14	0.15	0.15	0.15	kg/tonne of waste incinerated
Mass of lime used	9.04	10.24	11.39	9.28	kg/tonne of waste incinerated
Mass of ammonia used	0.41	0.42	0.69	0.58	kg/tonne of waste incinerated
Water Use	0.19	0.19	0.20	0.20	m ³ /tonne of waste incinerated
Electrical energy imported to site.	0.12	0.02	2.78	0.09	kWh/tonne of waste incinerated

Operator's comments :

More fuel consumption and electrical energy imported to site in Quarter 3 due to annual outage.

In addition to this document representing the Report on Performance Indicators for Newhaven Energy Recovery Facility (ERF) it is also submitted to the Agency in accordance with Condition 4.1.3 (schedule 4) of Environmental Permit BV8067IL

Signed
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Date.....24.01.2017.....