

Permit Reference Number: BM4082/QP3936US  
Installation: Sheffield Energy Recovery Facility

Operator: Veolia ES Sheffield Ltd  
Form Number: BM4082/QP3036US / P11a / Form Dated 1st November 2007

### Reporting of Installation Performance Indicators for the year 2016

Annual Production/Treatment			
Total Municipal Waste incinerated excluding Trade/Commercial/Industrial Waste	192613.85		tonnes
Total Trade/Commercial/Industrial Waste incinerated	42721		tonnes
Electrical energy exported to Grid	107549.65		MWh
Thermal energy produced by EfW Plant for use via the DHS	113132.86		MWh
EfW Plant availability over year (including maintenance)	91.9		% of year
Average annual lower calorific value of the waste incinerated during the year	8,856		MJ/kg

### Performance Indicators

Performance parameter	Total for year	Units
Electrical energy generated within Installation	123657.06	MWh(e)
Thermal energy exported to the DHS	113132.86	MWh(th)
Fuel Oil consumption	0	litres
Natural gas consumption for EfW Plant	364.77	MWh
Mass of Bottom Ash produced	43854.24	tonnes
Mass of APC residues produced	5034.48	tonnes
Urea consumption	216.98	tonnes
Activated carbon consumption	55.98	tonnes
Lime consumption	1969.02	tonnes
Potable Water consumption for the EfW Plant	40617.9	m3

Quarterly trends in performance parameters per tonne of waste incinerated				
1 <sup>st</sup> Quarter	2 <sup>nd</sup> Quarter	3 <sup>rd</sup> Quarter	4 <sup>th</sup> Quarter	
0.502	0.536	0.521	0.542	
0.724	0.400	0.194	0.562	
-	-	-	-	
0.001	0.002	0.002	0.001	
191.54	206.42	176.55	171.07	
21.13	21.05	19.96	23.28	
0.67	0.83	0.86	1.32	
0.27	0.40	0.14	0.13	
8.78	7.82	7.03	9.66	
0.14	0.17	0.18	0.19	

Operator's comments :

Signed   
(authorised to sign as representative of Operator)

Date 25/01/2017