



## **VEOLIA HIGH TEMPERATURE INCINERATION PLANT**

### **PERMIT No. SP3409LC (formally BS5193IE)**

#### **Annual Report 2022**

The information shown in this report is supplied to satisfy the requirements of Permit No. SP3409LC, Clauses 4.1.3 to 4.1.6.

#### **Waste Inputs (tonnes)**

<b>EA Annual</b>	<b>Q1</b>	<b>Q2</b>	<b>Q3</b>	<b>Q4</b>	<b>Total</b>
Hazardous Waste (exclude clinical)	13582.60	15783.02	18286.40	18602.00	66254.02
Non Hazardous Waste	503.12	326.80	755.60	771.80	2357.32
Clinical Hazardous	230.51	210.35	179.30	183.10	803.26
Clinical Non Hazardous	114.19	96.60	118.10	95.80	424.69
TFS	0.00	0.00	0.00	0.00	0.00
LLW	225.19	634.84	577.70	324.80	1762.53
<b>Total</b>	<b>14655.62</b>	<b>17051.61</b>	<b>19917.10</b>	<b>19977.50</b>	<b>71601.83</b>

#### **Waste Incinerated**

Liquids = 52402.2 tonnes  
Solids = 14702.9 tonnes  
Gas = 625.9 tonnes  
Total = 67731 tonnes

#### **Operating Hours**

Available	8760 hours
Burning Waste	7529 hours
Planned Outages	912 hours
Unplanned Outages	319 hours

#### **Water Usage**

Abstraction from River Gowy	920,347 cubic metres
River Dee Non-Potable	502,099 cubic metres
Towns	30,420 cubic metres

#### **Water Discharge**

Discharge to Estuary	1,132,904 cubic metres
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### **Energy Usage**

Fuel Oil (Non Process)	497.97 tonnes	
Fuel oil (Process)	446.84 tonnes	6.59 kg/tonne waste incinerated
Electrical energy	16,854,289 kWh	248.84 kWh/tonne waste incinerated

### **Lime Consumption**

Quicklime	1582.03 tonnes	23.36 kg/tonne waste incinerated
Hydrated lime	302.96 tonnes	4.47 kg/tonne waste incinerated

### **Activated Carbon Consumption**

N/A

### **Caustic**

32% Sodium Hydroxide	2548.30 tonnes	37.62 kg/tonne waste incinerated
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### **Urea**

40% Solution	0 tonnes	0 kg/tonne waste incinerated
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### **Sodium Hydrosulphide (Hg abatement)**

40% Solution	68.64 tonnes	1.01 kg/tonne waste incinerated
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### **CEMS**

No significant downtime other than routine quarterly service.

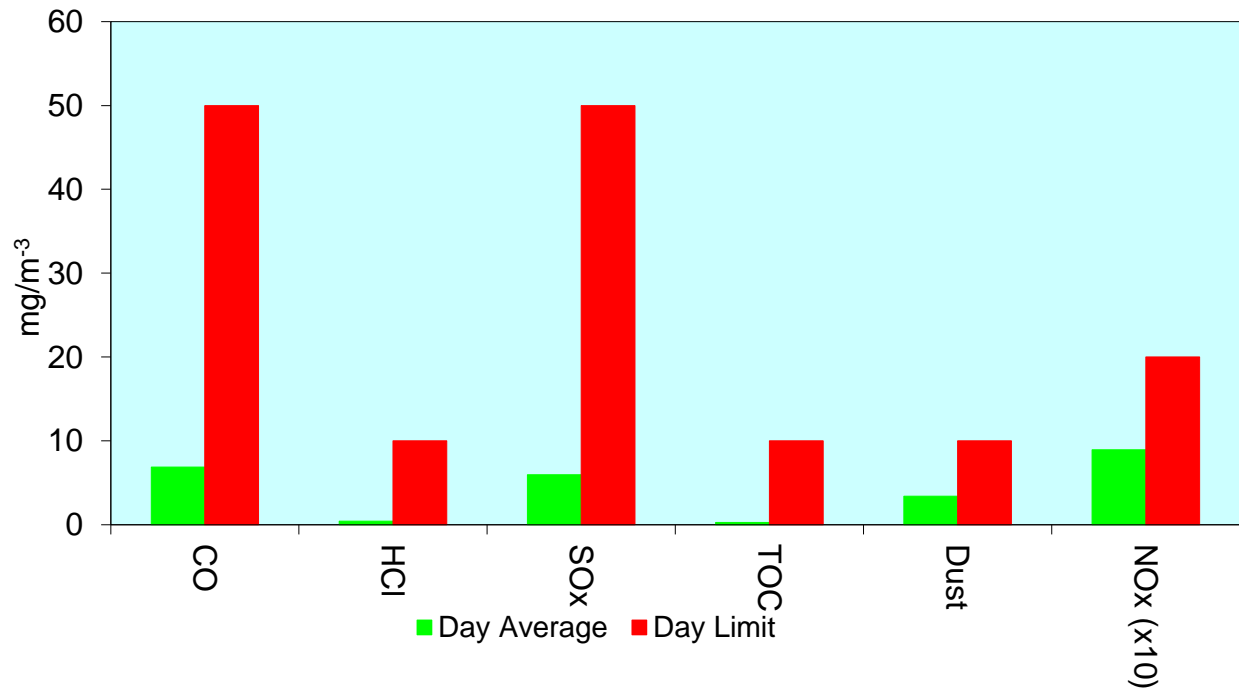
### **Abnormal Operating Hours**

Cumulative abnormal operation duration in current year: 0 hours

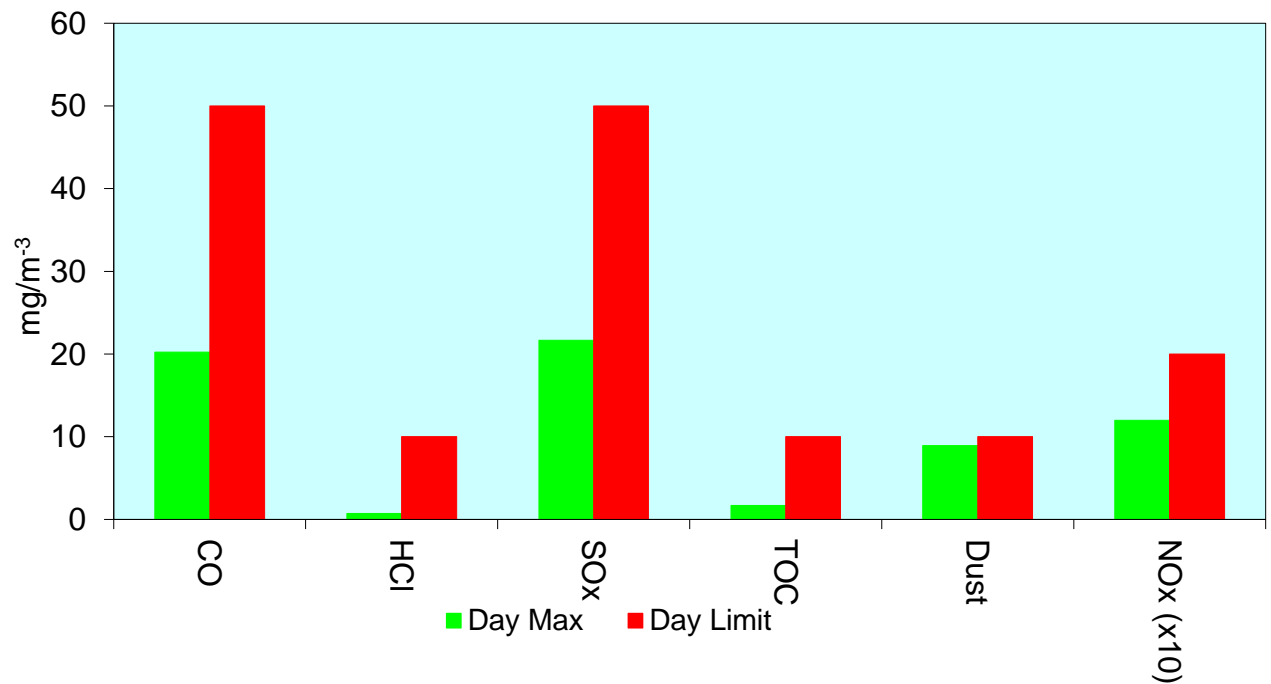
### **Fugitive Releases**

No fugitive release during period

## Annual Emissions Data 2022



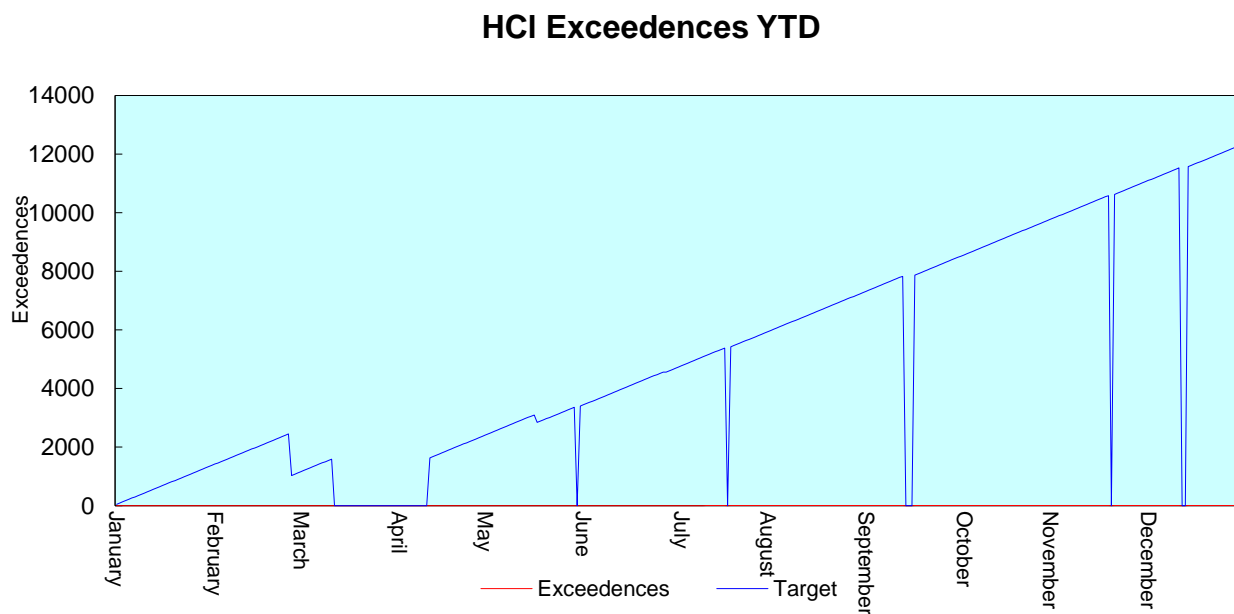
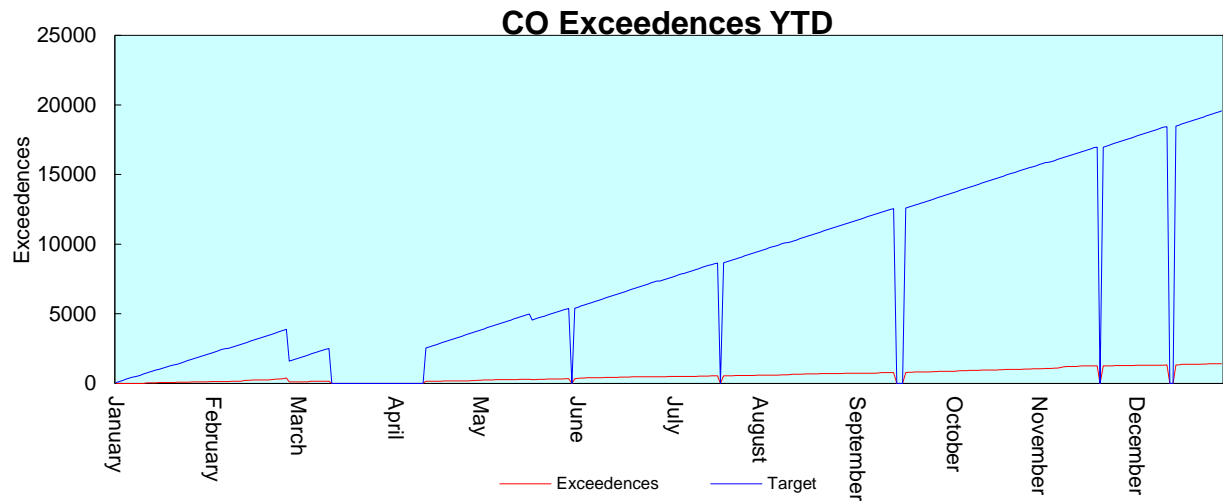
## Daily Emissions Max 2022



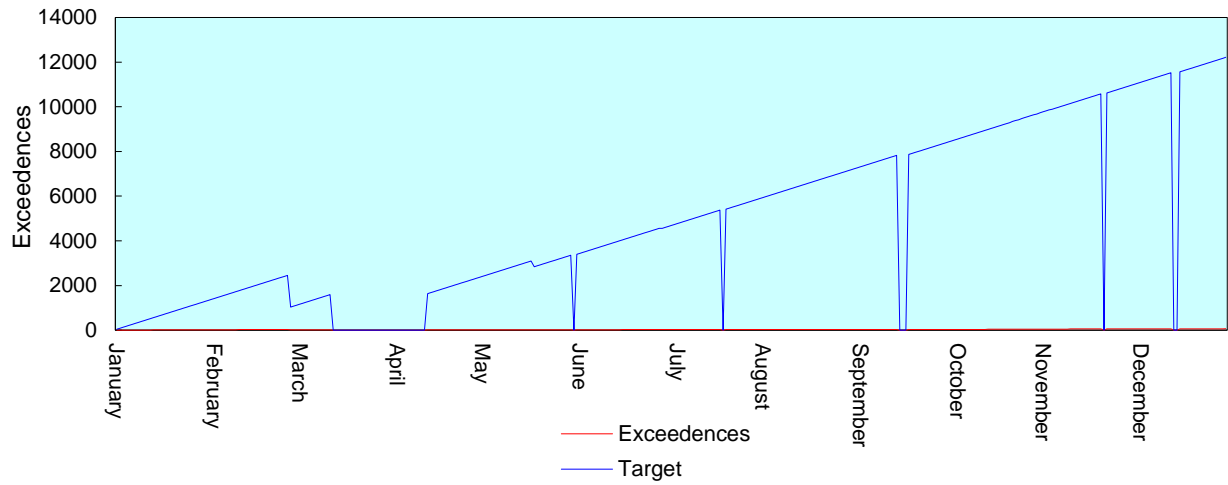


### Plant Performance against Permit

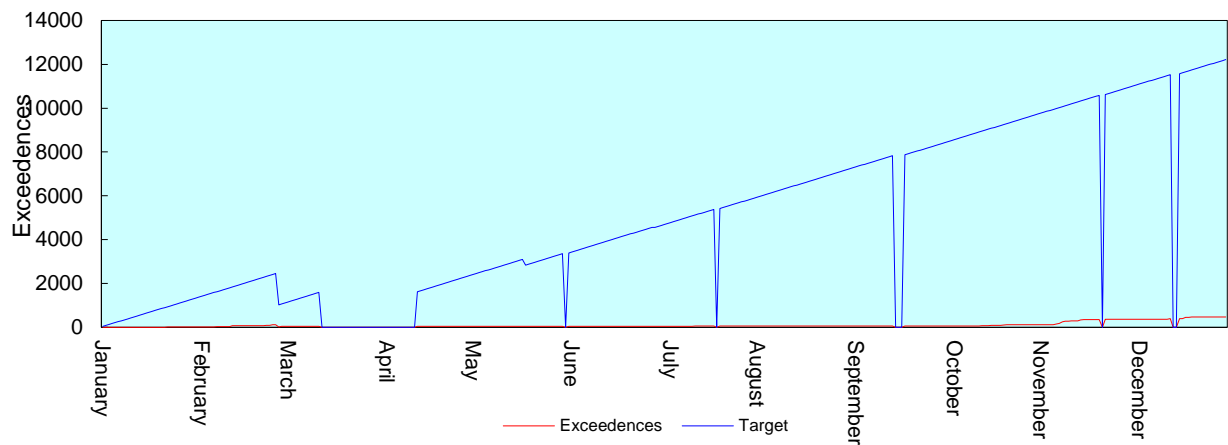
Air 100% Compliant  
Water 100% Compliant  
Land 100% Compliant



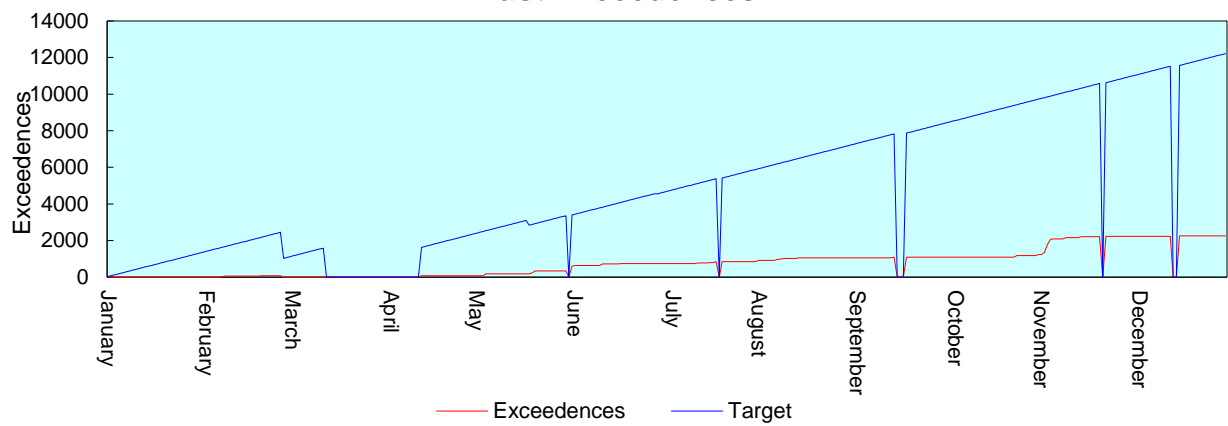
### SOx Exceedences YTD



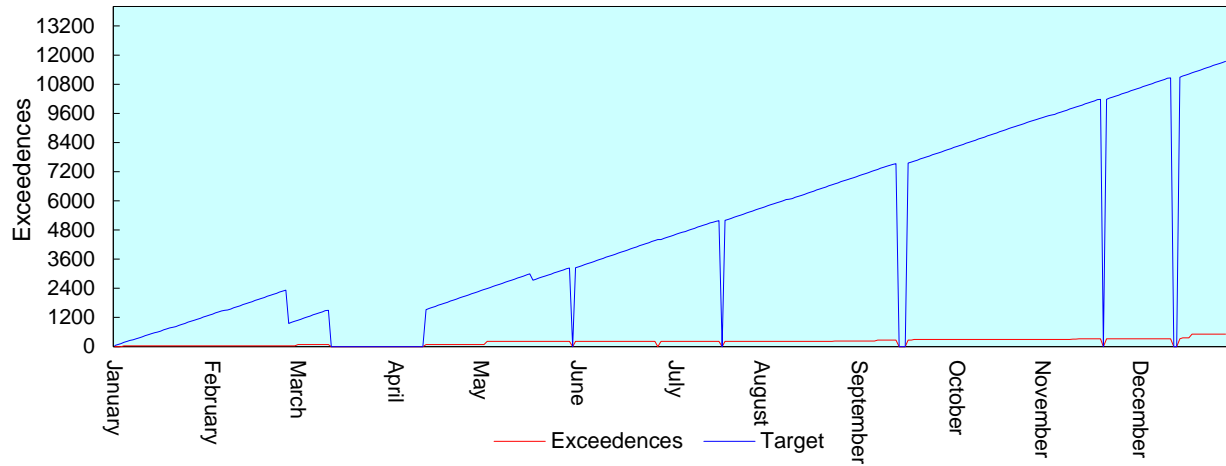
### TOC Exceedences YTD



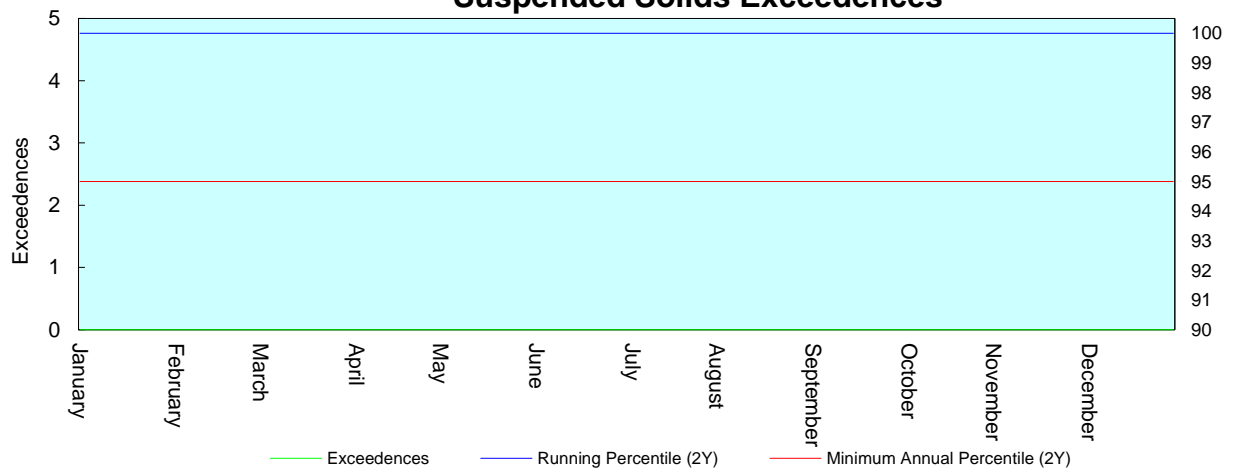
### Dust Exceedences YTD



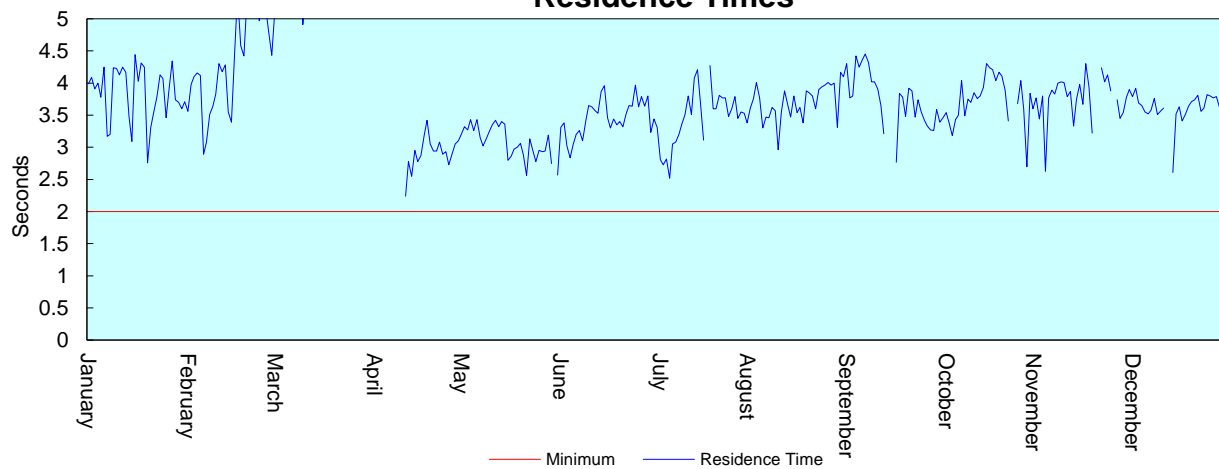
## NOx Exceedences YTD



## Suspended Solids Exceedences



## Residence Times



### Waste Disposal/Recovery

			Q1	Q2	Q3	Q4	Total	
Material	EWC Code	Classification	Tonnage	Tonnage	Tonnage	Tonnage	Tonnage	Kg/Tonne Waste
Refractory Rubble	16 11 06	D01	179.54	179.54	0	0	359.08	5.30
Kiln Slag	190401	D01	763.32	891.44	1322	842.701	3819.461	56.39
Filter Cake Non Haz	19 02 06	D01	149.84	149.84	2124	31.34	2455.02	36.25
Haz Filter Cake	190205*	D01	1476.7	3134.92	9680.6	1067.24	15359.46	226.77
General Industrial Waste	20 03 01	D01	48.47	0.833	0	4.565	53.868	0.79
Wooden Pallets	15 01 03	R03	131.7	269.22	128.76	172.227	701.907	
Cardboard	20 01 01	R03	4.064	21.24	4.329	4.719	34.352	
Ferrous Metal	16 01 17	R04	12.32	21.68	0	0	34	
Non Ferrous Metal	16 01 18	R04	14.08	0.28	0	0	14.36	
Mixed recyclates	20 03 01	R05	0.411	21.24	0.436	0.429	22.516	
Waste Oil	110114	R13	0.05	0	0	0	0.05	
Empty IBC's/Drums	150110*	R13	49.018	50.038	8.29	3.82	111.166	
Wood	200301	R05	5.8	6.36	4.7	3.74	20.6	
Flue Gas solids	190107*	D01	4.93	0	0	86.48	91.41	
Bottom Ash	190205*	D01	0	127.5	0	90.88	218.38	
Mixed Construction Waste	170504	D01	6.56	7	0.86	0	14.42	
Waste Insulation Lagging	170603*	D01	0.92	0.92	0	0	1.84	
Ferrous Metals from Bottom Ash	190102	D01	0	0	0	90.88	90.88	

J Roberts  
Technical Manager

30/01/23