



VEOLIA HIGH TEMPERATURE INCINERATION PLANT

PERMIT No. SP3409LC (formally BS5193IE)

Annual Report 2021

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)

EA Annual	Q1	Q2	Q3	Q4	Total
Hazardous Waste (exclude clinical)	10988.29	14003.60	14620.55	16082.46	55694.91
Non Hazardous Waste	380.25	432.23	335.55	455.15	1603.18
Clinical Hazardous	70	269.05	291.89	251.81	882.75
Clinical Non Hazardous	79.46	112.63	87.17	89.74	369.01
TFS	0	0	0	0	0
LLW	90.87	213.81	210.10	307.42	822.20
Total	11608.87	15031.32	15545.26	17186.59	59372.04

Waste Incinerated

Liquids = 44,651 tonnes
Solids = 13,522 tonnes
Gas = 654 tonnes
Total = 58,827 tonnes

Operating Hours

Available	8760 hours
Burning Waste	6792 hours
Planned Outages	1104 hours
Unplanned Outages	864 hours

Water Usage

Abstraction from River Gowy	1,171,047 cubic metres
River Dee Non-Potable	326,522 cubic metres
Towns	24,508 cubic metres

Water Discharge

Discharge to Estuary	1,281,539 cubic metres
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Energy Usage

Fuel Oil (Non Process)	710.56 tonnes	
Fuel oil (Process)	464.60 tonnes	7.90 kg/tonne waste incinerated
Electrical energy	16,528,463 kWh	280.97 kWh/tonne waste incinerated

Lime Consumption

Quicklime	1855.02 tonnes	31.53 kg/tonne waste incinerated
Hydrated lime	349.72 tonnes	5.94 kg/tonne waste incinerated

Activated Carbon Consumption

N/A

Caustic

32% Sodium Hydroxide	2858.87 tonnes	48.60 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	81.56 tonnes	1.39 kg/tonne waste incinerated
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CEMS

No significant downtime other than routine quarterly service.

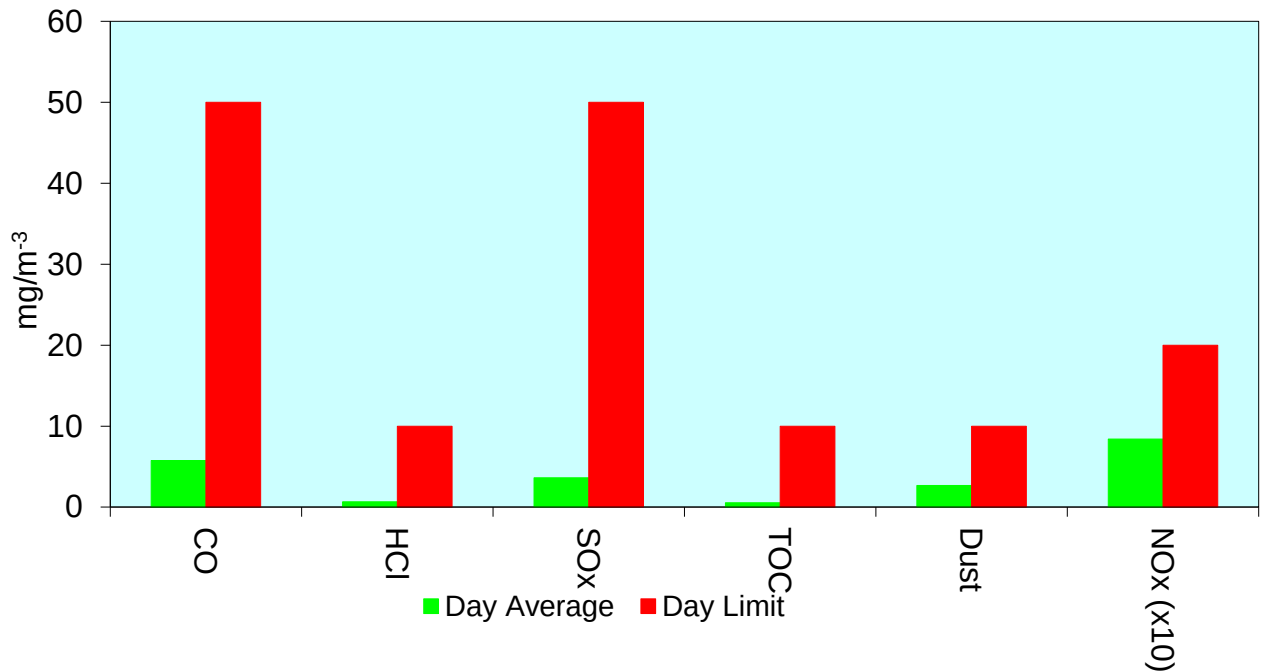
Abnormal Operating Hours

Cumulative abnormal operation duration in current year: 10.5 hours

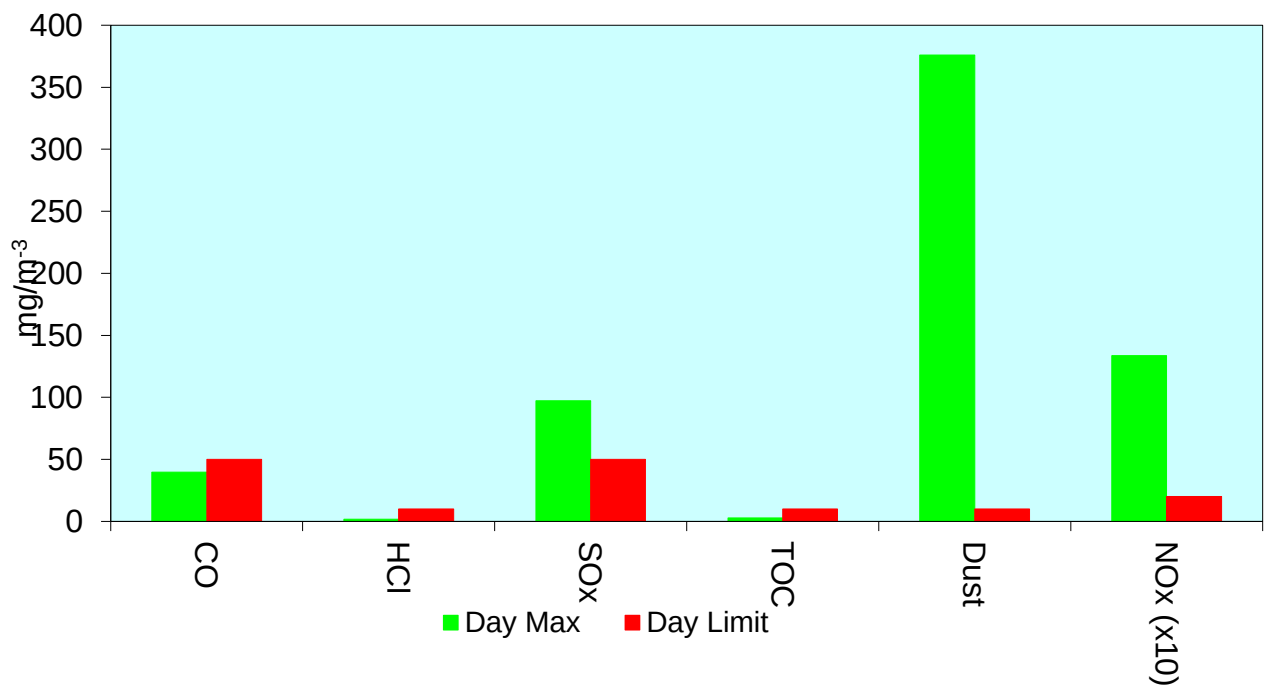
Fugitive Releases

No fugitive release during period

Annual Emissions Data 2021



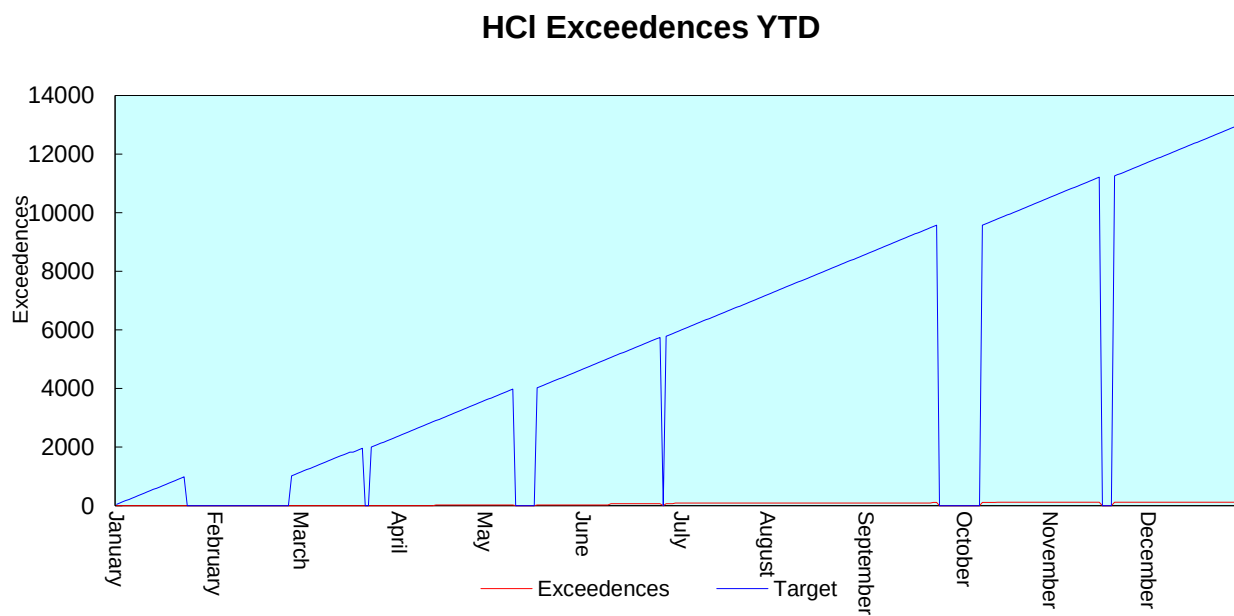
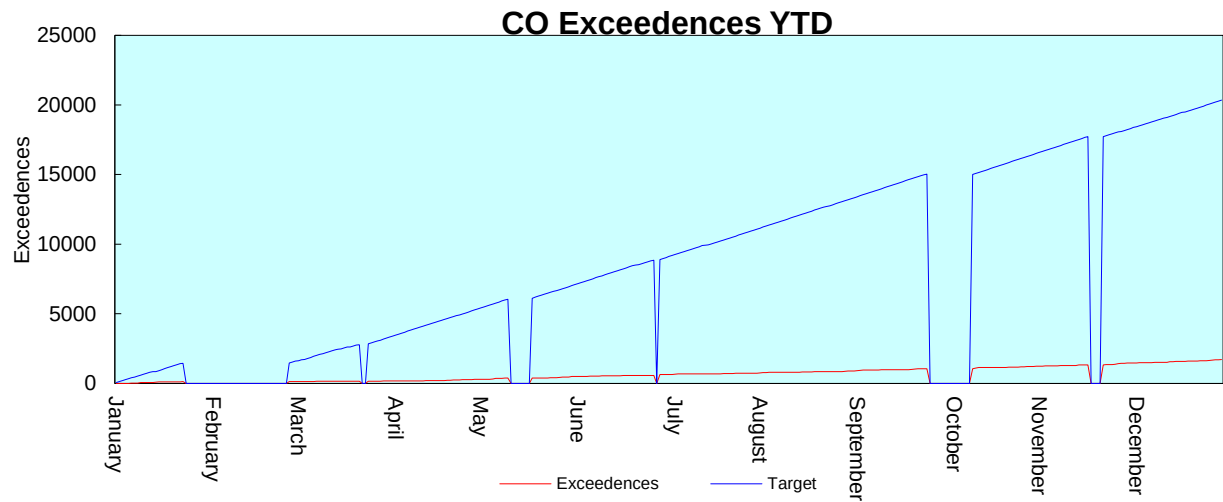
Annual Emissions Max 2021



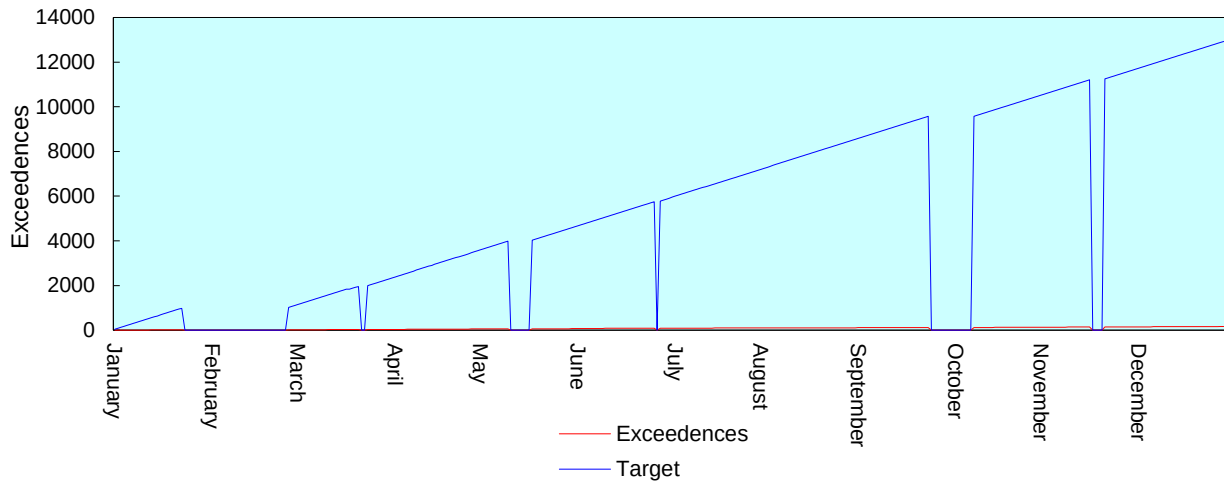


Plant Performance against Permit

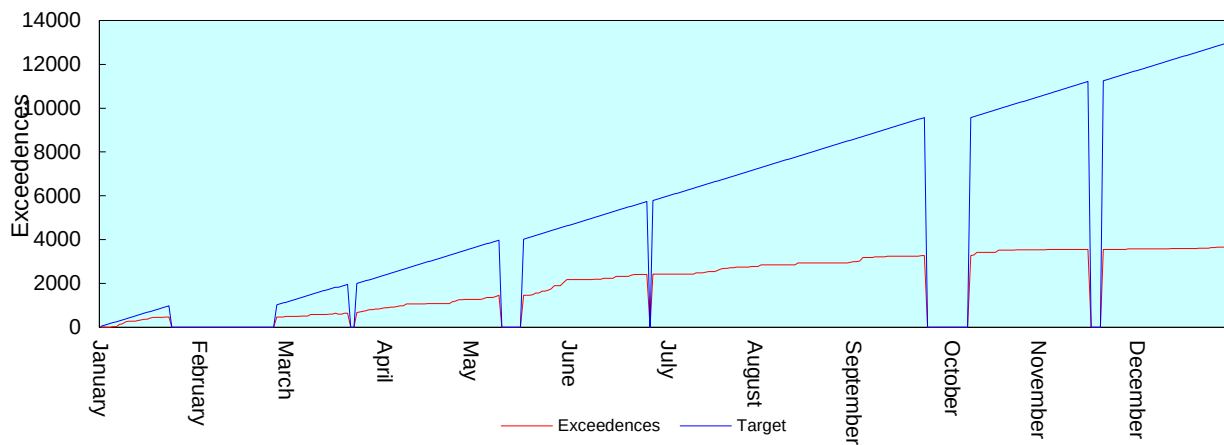
Air 1 minor breach- CAR REF: SP3409LC/0394387
Water 100% Compliant
Land 100% Compliant



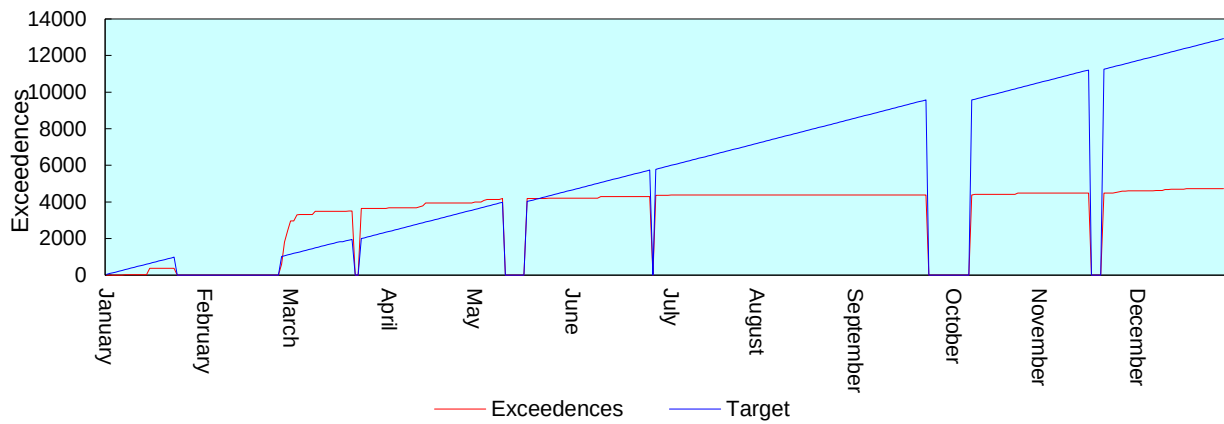
SOx Exceedences YTD



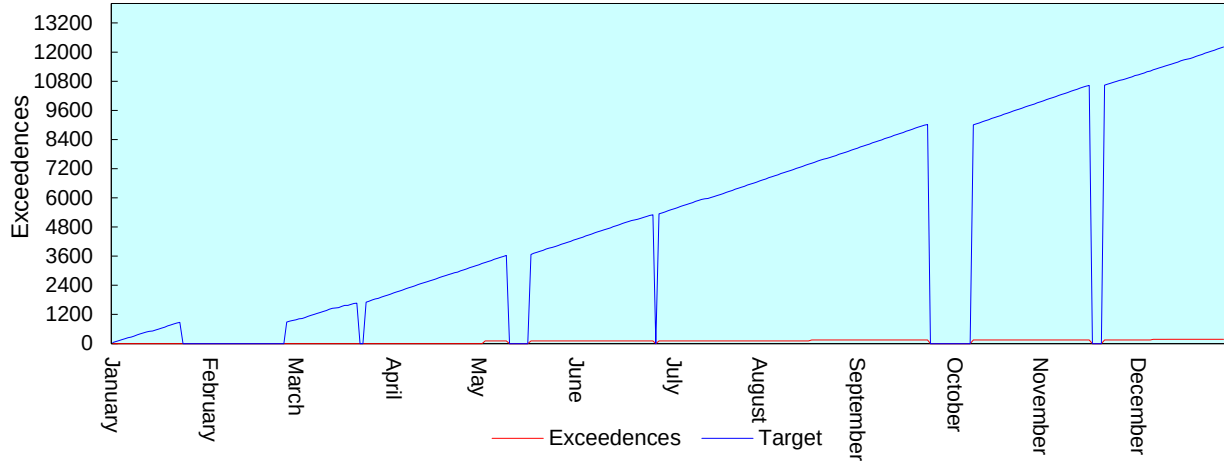
TOC Exceedences YTD



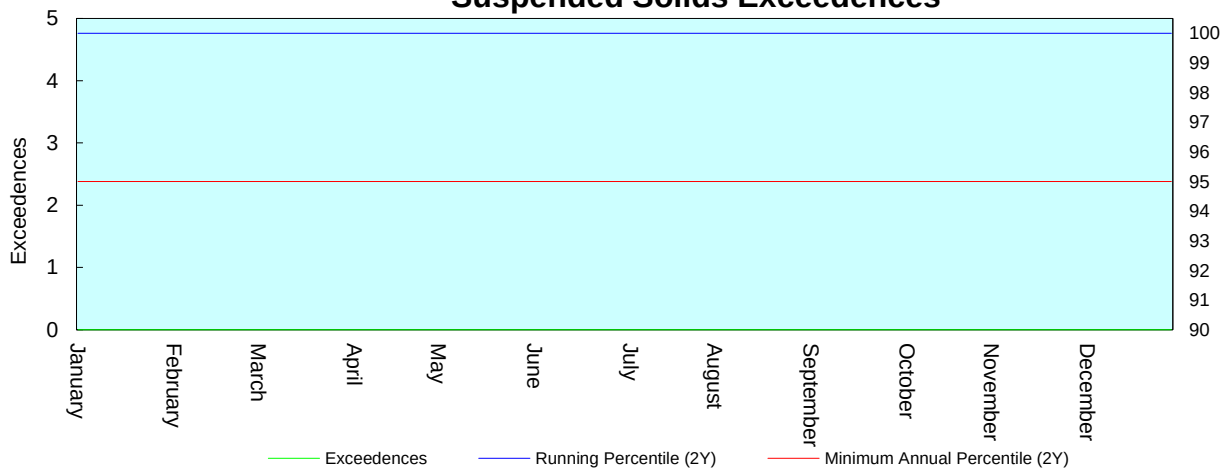
Dust Exceedences YTD



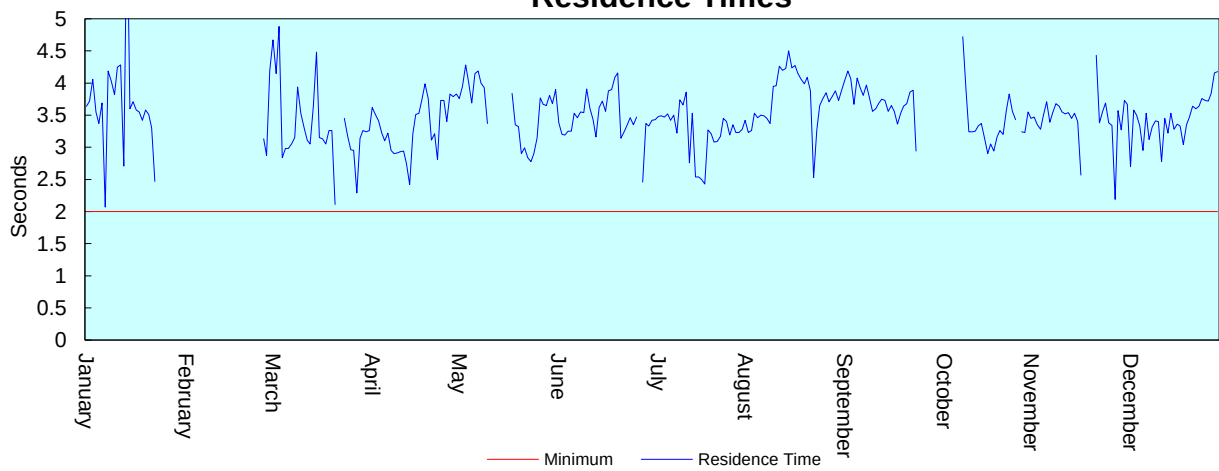
NOx Exceedences YTD



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	379.84	0	0	0	379.84	6.46
Kiln Slag	190401	D01	290.04	1004.24	944.68	949.16	3188.12	54.19
Kiln Slag	19 01 12	D01	467	22.1	0	0	489.1	8.31
ETP Filter Cake Non Haz	19 02 06	D01	473.16	381.60	317.64	597.04	1769.44	30.07
ETP Filter Cake Haz	190205	D01	772.08	1310.08	1270.3	902.5	4254.96	72.33
General Industrial Waste	20 03 01	D01	40.16	7.63	16.22	9.93	73.94	1.26
Wooden Pallets	15 01 03	R03	86.08	138.64	163.78	153.42	541.92	
Cardboard	20 01 01	R03	1.04	3.84	2.37	3.00	10.25	
Ferrous Metal (engineering)	16 01 17	R04	37.48	19.52	9.23	10.07	76.3	
Non Ferrous Metal	16 01 18	R04	2.05	3.52	0	0.82	6.39	
Mixed recyclate	20 03 01	R05	0.66	0.43	0.37	0.72	2.18	
Plastic Lids/IBC cages	15 01 02	R05	1.34	0	0	0	1.34	
Waste Oil	11 01 14	R13	0.05	0.05	0.05	0.05	0.2	
Empty IBC's/Drums	15 01 10	R13	32.76	38.02	19.37	22.1	112.25	
Wood	200301	R05	10.22	9.08	4.48	7.68	31.46	
Soil Rubble	200301	D01	29.48	9.38	0	0	38.86	
Haz Soil Rubble	170503	D01	116.46	0	0	0	116.46	
Flue Gas solids	190107	D01	175.56	0	0	94.44	270.0	
Excavation	170504	D01	0	0	270.58	0	270.58	
Waste to Bowker's	160305	D15	0	0	16.08	0	16.08	
Excavation	170504	D01	0	0	0	36.6	36.6	
Concrete/Rubble	170107	D01	0	0	0	26.98	26.98	
Bottom Ash	190205	D01	0	0	0	7.8	7.8	

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 Technical Manager
 27/01/22