



VEOLIA HIGH TEMPERATURE INCINERATION PLANT

PERMIT No. SP3409LC (formally BS5193IE)

Annual Report 2020

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)

Waste Receipts	Q1 Tonnage	Q2 Tonnage	Q3 Tonnage	Q4 Tonnage	Totals
Hazardous Waste	19970.34	12073.96	17344.95	15421.78	64811.04
Non Hazardous	500.87	247.41	637.84	942.48	2328.61
Clinical Hazardous	359.59	204.86	189.65	318.53	1072.63
Clinical non Hazardous	93.73	81.77	233.06	170.84	579.39
TFS	27.56	32.93	0.28	0.00	60.77
LLW	176.08	121.09	345.05	223.38	865.60
Quarter Totals	21128.17	12762.03	18750.83	17077.01	69718.04

Waste Incinerated

Liquids = 54,026 tonnes

Solids = 16,201 tonnes

Gas = 588 tonnes

Total = 70,816 tonnes

Operating Hours

Available	8760 hours
Burning Waste	7584 hours
Planned Outages	720 hours
Unplanned Outages	456 hours

Water Usage

Abstraction from River Gowy	1,475,707 cubic metres
River Dee Non-Potable	323,538 cubic metres
Towns	29,426 cubic metres

Water Discharge

Discharge to Estuary	1,420,732 cubic metres
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Energy Usage

Fuel Oil (Non Process)	504.78 tonnes	
Fuel oil (Process)	380.82 tonnes	5.38 kg/tonne waste incinerated
Electrical energy	17,611,819 kWh	248.69 kWh/tonne waste incinerated

Lime Consumption

Quicklime	1739.99 tonnes	24.57 kg/tonne waste incinerated
Hydrated lime	603.82 tonnes	8.52 kg/tonne waste incinerated

Activated Carbon Consumption

N/A

Caustic

32% Sodium Hydroxide	4221.74 tonnes	59.61 kg/tonne waste incinerated
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Urea

40% Solution	19.73 tonnes	0.28 kg/tonne waste incinerated
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Sodium Hydrosulphide (Hg abatement)

40% Solution	129.98 tonnes	1.83 kg/tonne waste incinerated
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CEMS

No significant downtime other than routine quarterly service.

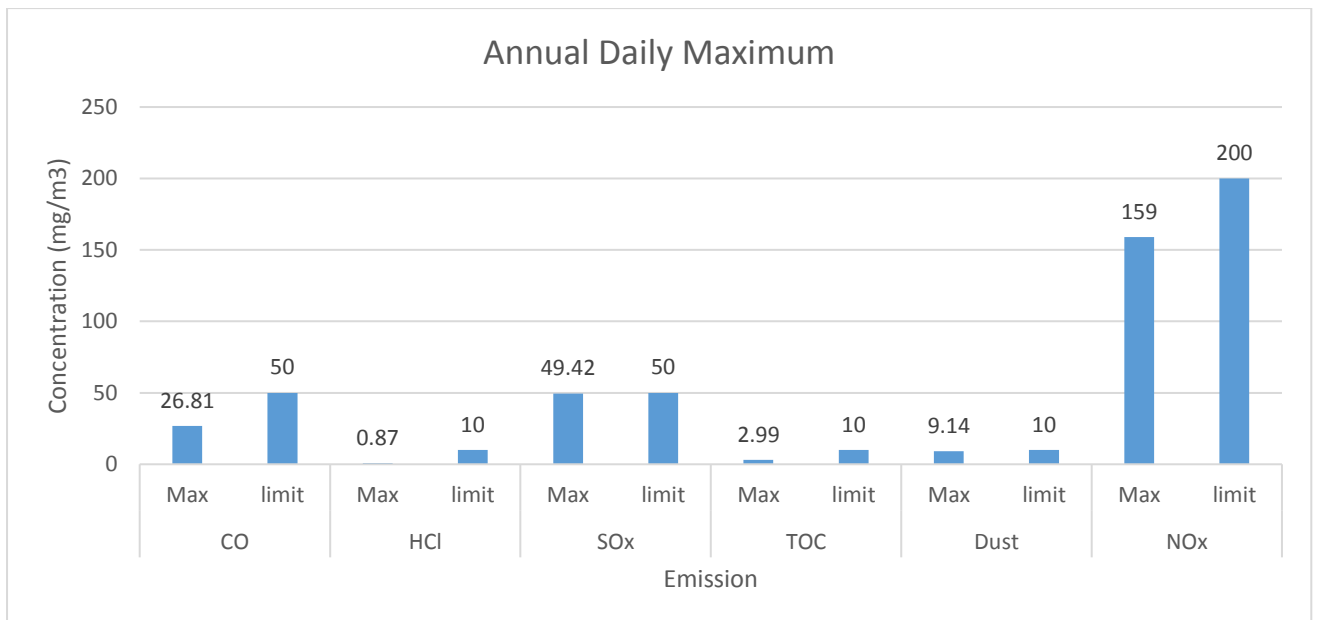
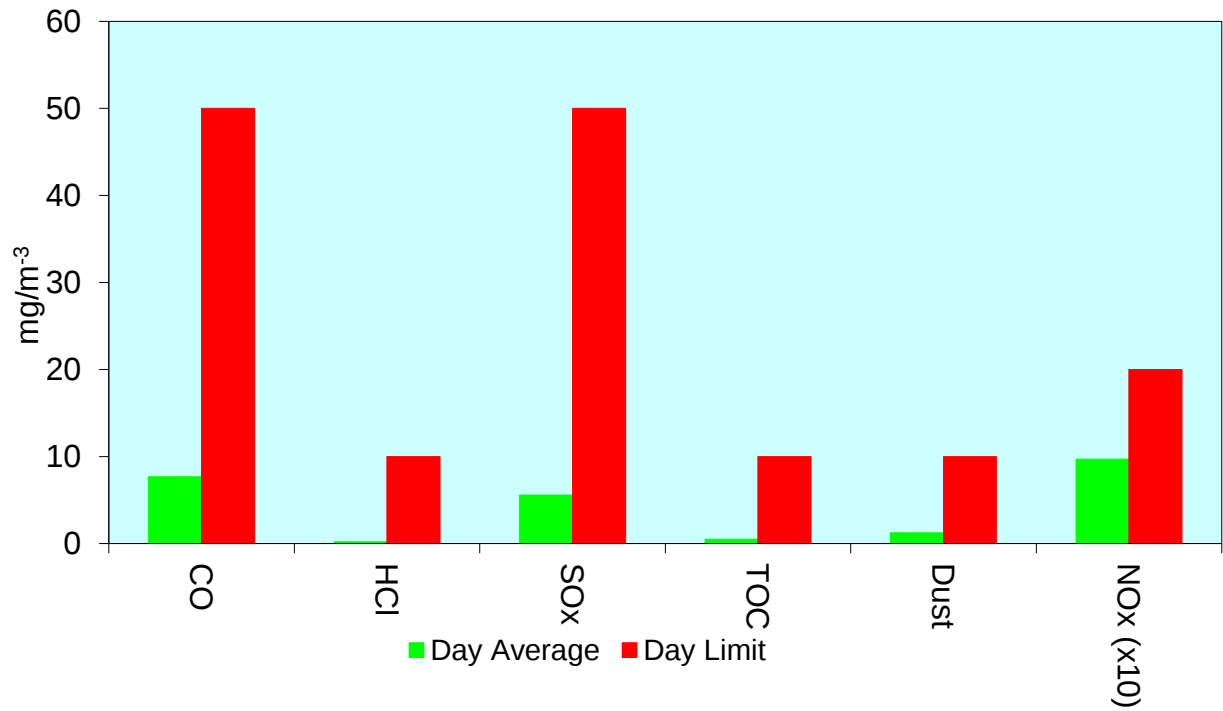
Abnormal Operating Hours

Cumulative abnormal operation duration in current year: 32.5 hours

Fugitive Releases

No fugitive release during period

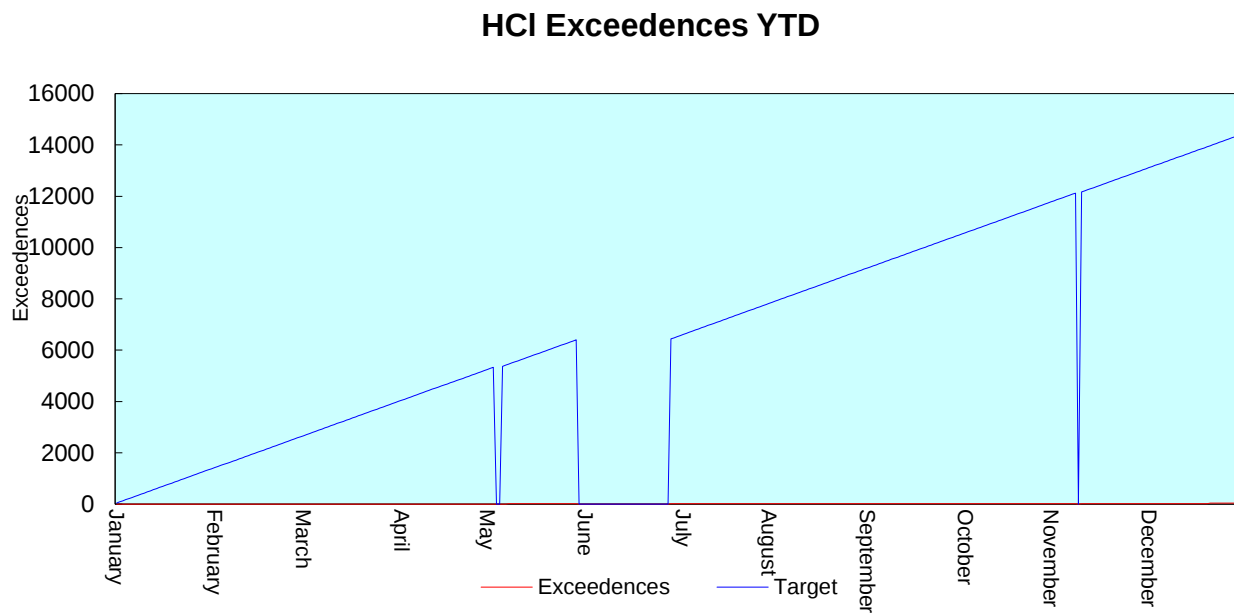
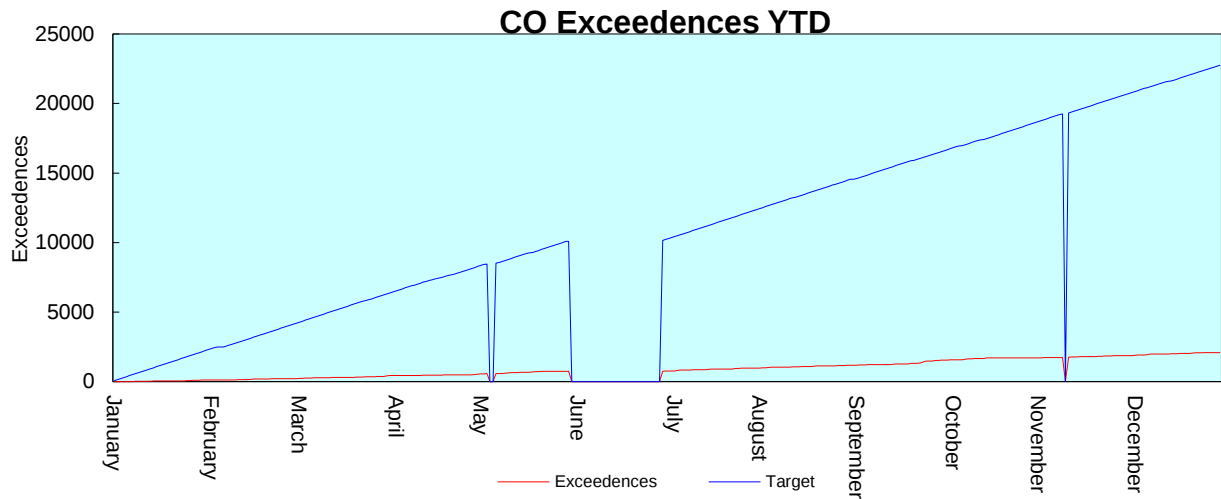
Annual Emissions Data 2020



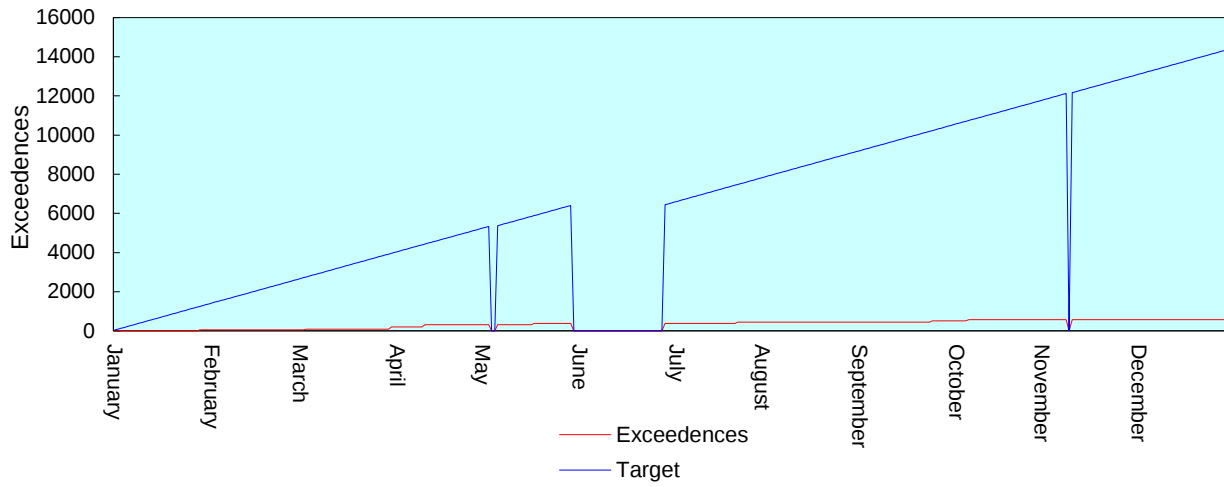


Plant Performance against Permit

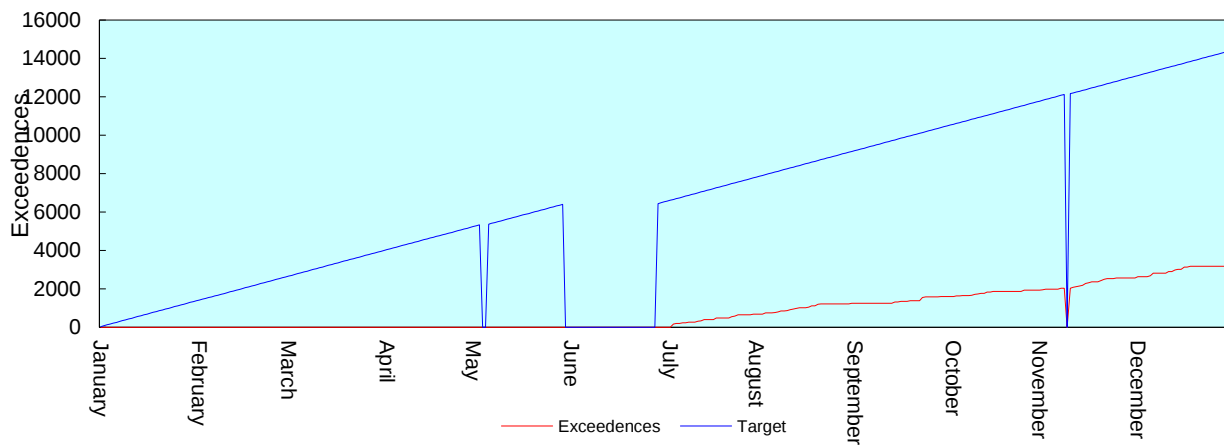
Air 100% Compliant
Water 100% Compliant
Land 100% Compliant



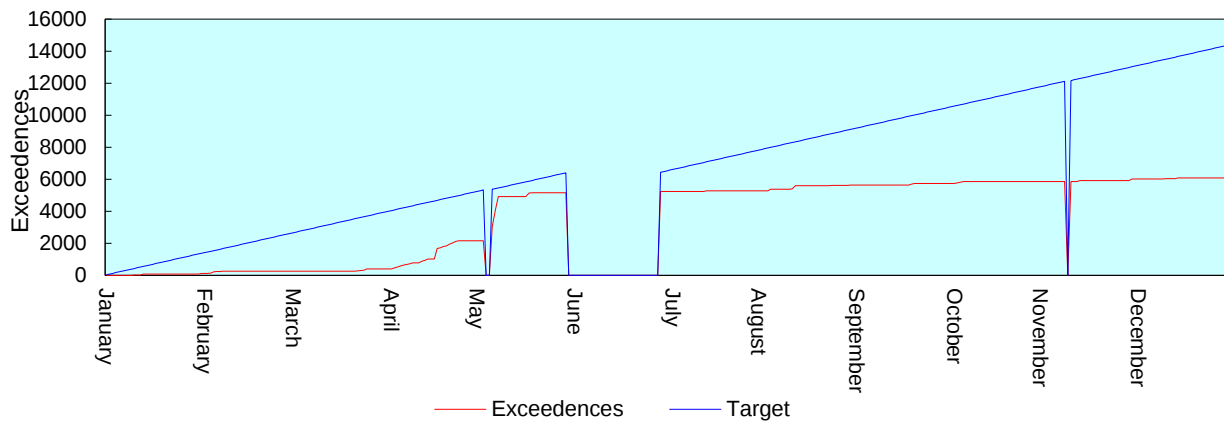
SOx Exceedences YTD



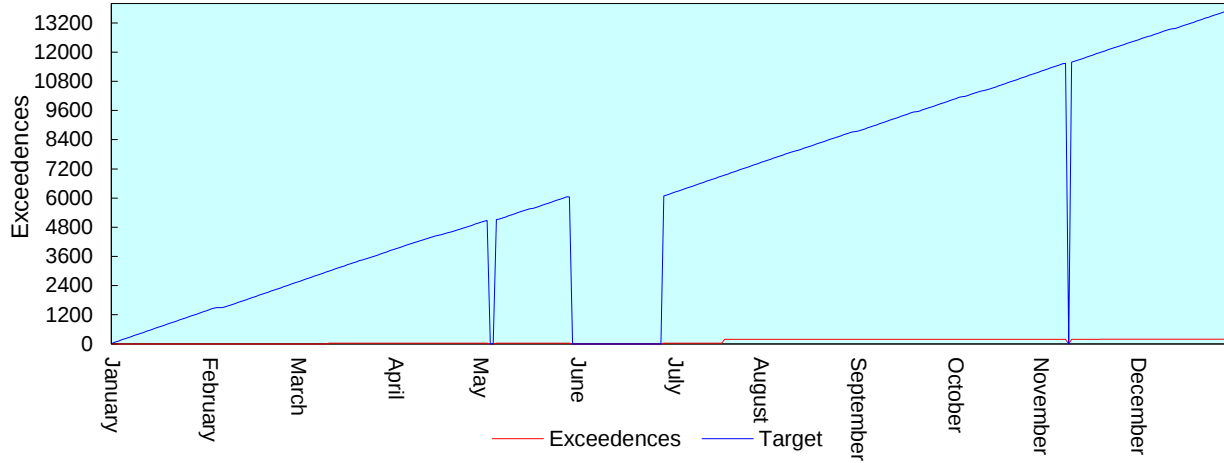
TOC Exceedences YTD



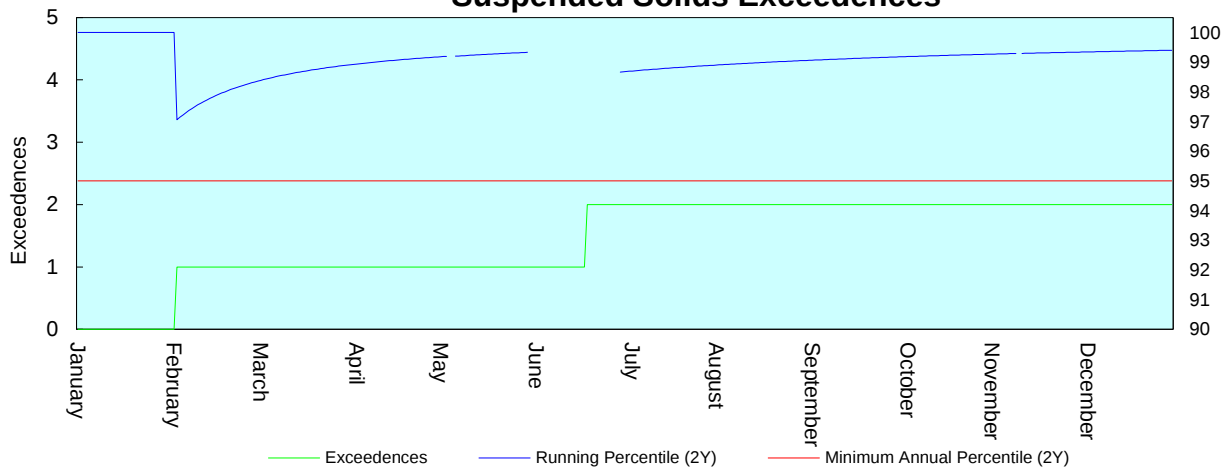
Dust Exceedences YTD



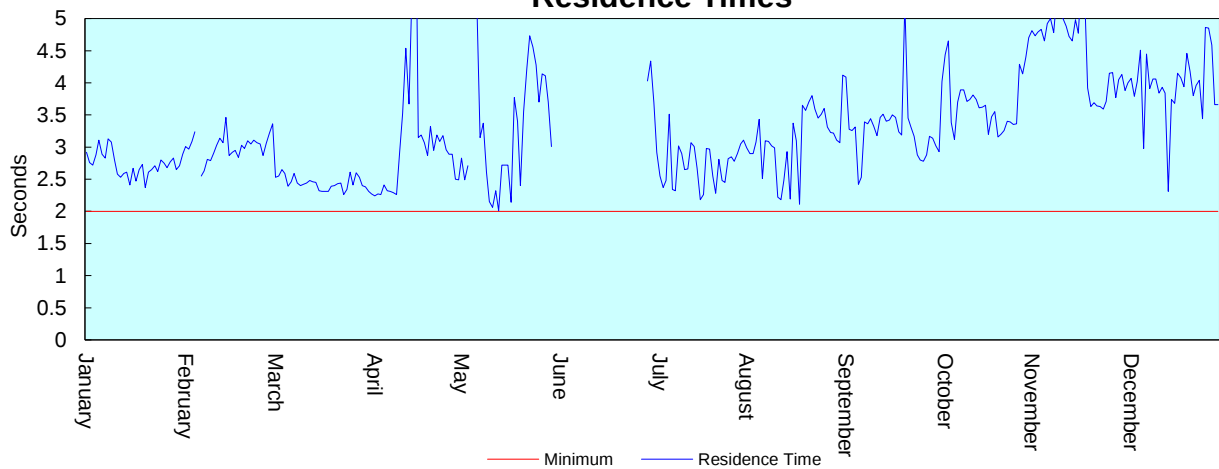
NOx Exceedences YTD



Suspended Solids Exceedences



Residence Times





Waste Disposal/Recovery

Material	EWC	Classification	Q1 Tonnage	Q2 Tonnage	Q3 Tonnage	Q4 Tonnage	Total Tonnage	Kg/Tonne Waste
Refractory Rubble	161106	D01	0.00	330.86	0.00	0.00	330.86	4.67
Kiln Slag	190112	D01	1562.25	1114.34	1750.12	1618.92	6045.63	85.37
ETP Filter Cake Haz	190205	D01	1434.80	889.78	1693.02	1185.80	5203.40	73.48
ETP Filter Cake Non Haz	190206	D01	951.20	321.04	723.44	849.54	2845.22	40.18
General Industrial Waste	200301	D01	73.94	33.09	6.55	17.93	131.51	1.86
Wooden Pallets	150103	R03	189.52	105.20	164.86	128.66	588.24	
Scrap Metal - Ferrous	160117	R04	11.03	9.14	14.04	31.52	65.73	
Scrap Metal - Non Ferrous	160118	R04	0.57	0.00	1.24	5.70	7.51	
Mixed Recycling	200301	R05	0.61	1.05	0.34	0.92	2.91	
Cardboard	200101	R03	4.44	4.84	0.33	1.42	11.03	
Safety kleen (oil)	110114	R13	0.05	0.05	0.05	0.05	0.20	
Empty IBC's	150110	R05	1.44	3.54	5.92	9.59	20.49	
Concrete and brick	170107	D01	0.00	113.12	0.00	11.24	124.36	
WEEE Waste	160214	D15	0.00	0.30	0.00	0.00	0.30	
Soil and Rubble	170904	D01	0.00	0.00	69.86	64.73	134.59	
Bitumous sand	170302	R05	0.00	0.00	51.73	0.00	51.73	
Refractory Rubble	161106	R05	0.00	0.00	20.92	0.00	20.92	
General Waste (Wood/Plastic)	200301	R05	0.00	0.00	17.94	0.00	17.94	

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 Technical Manager
 27/01/21