

VEOLIA HIGH TEMPERATURE INCINERATION PLANT

PERMIT No. BS5193IE

Annual Report 2018

The information shown in this report is supplied to satisfy the requirements of Permit No. BS5193IE, Clauses 4.1.3 to 4.1.6.

Waste Inputs (tonnes)

Waste Receipts	Q1	Q2	Q3	Q4	Totals
Hazardous Waste	15490.945	10948.9	4870.82	16031	47341.66
Non Hazardous Waste	475.315	275.212	86.438	386.64	1223.60
Clinical Hazardous	143.69	133.15	13.31	195.86	486.01
Clinical Non Hazardous	122.08	30.276	2.653	161.09	316.10
TFS	2146.02	1191.21	650.54	2150	6137.75
LLW	203.69	299.58	105.73	795.82	1404.82
Quarter Totals	18581.74	12878.30	5729.49	19720.4	56909.94

Waste Incinerated

Liquids = 45059.96 tonnes

Solids = 11748.88 tonnes

Gas = 438.40 tonnes

Total = 57247.24 tonnes

Operating Hours

Available 8760 hours

Burning Waste 6190 hours

Planned Outages 1776 hours

Unplanned Outages 794 hours

Water Usage

Abstraction from River Gowy 987,118 cubic metres

River Dee Non-Potable 200,131 cubic metres

Towns 28,317 cubic metres

Water Discharge

Discharge to Estuary 974,420 cubic metres

Energy Usage

Fuel Oil (Non Process)	369.84 tonnes	
Fuel oil (Process)	403.81 tonnes	7.05 kg/tonne waste incinerated
Electrical energy	14,635,052 kWh	255.65 kWh/tonne waste incinerated

Lime Consumption

Quicklime	2449.06 tonnes	42.78 kg/tonne waste incinerated
Hydrated lime	423.76 tonnes	7.40 kg/tonne waste incinerated

Activated Carbon Consumption

N/A

Caustic

32% Sodium Hydroxide	3186.71 tonnes	55.67 kg/tonne waste incinerated
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Urea

40% Solution	415.27 tonnes	7.25 kg/tonne waste incinerated
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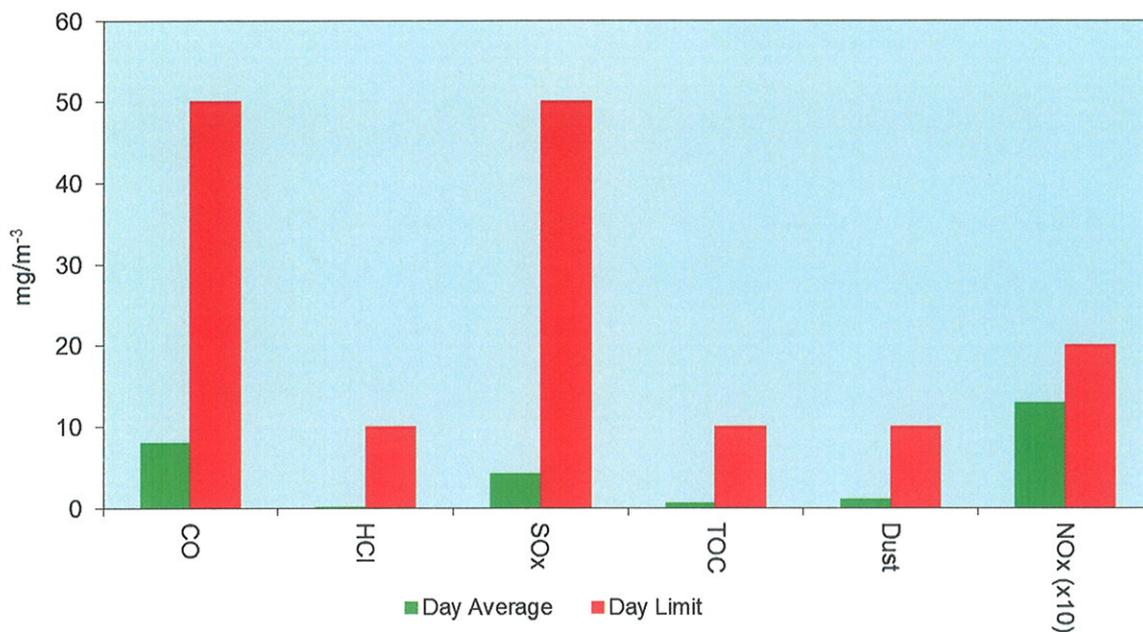
Sodium Hydrosulphide (Hg abatement)

40% Solution	151.33 tonnes	2.64 kg/tonne waste incinerated
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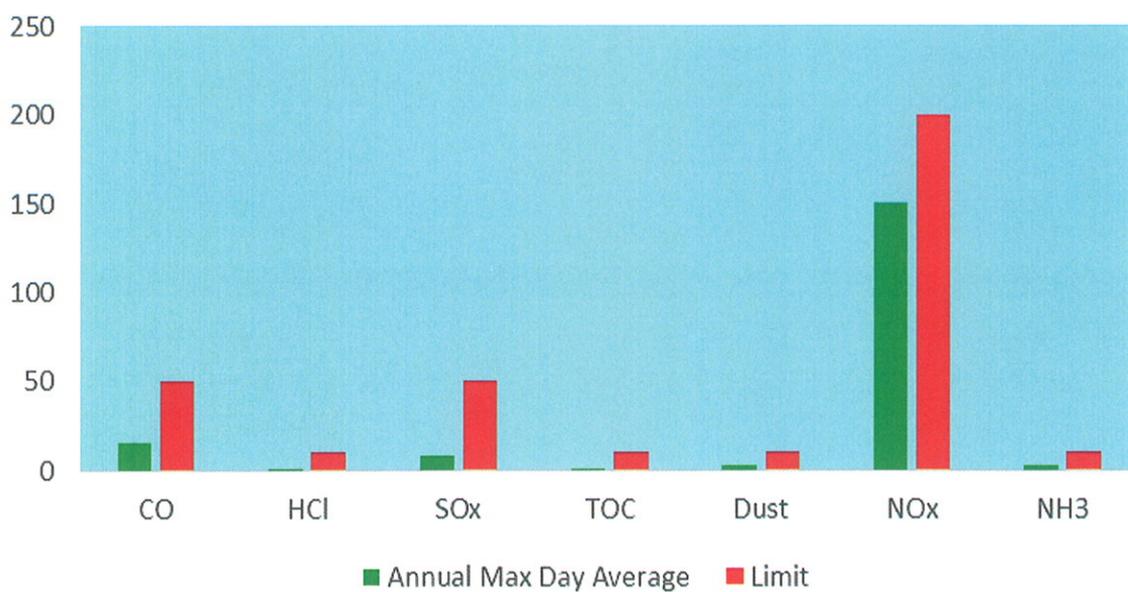
CEMS

WID compliant. No significant downtime other than routine quarterly service.

Annual Emissions Data 2018

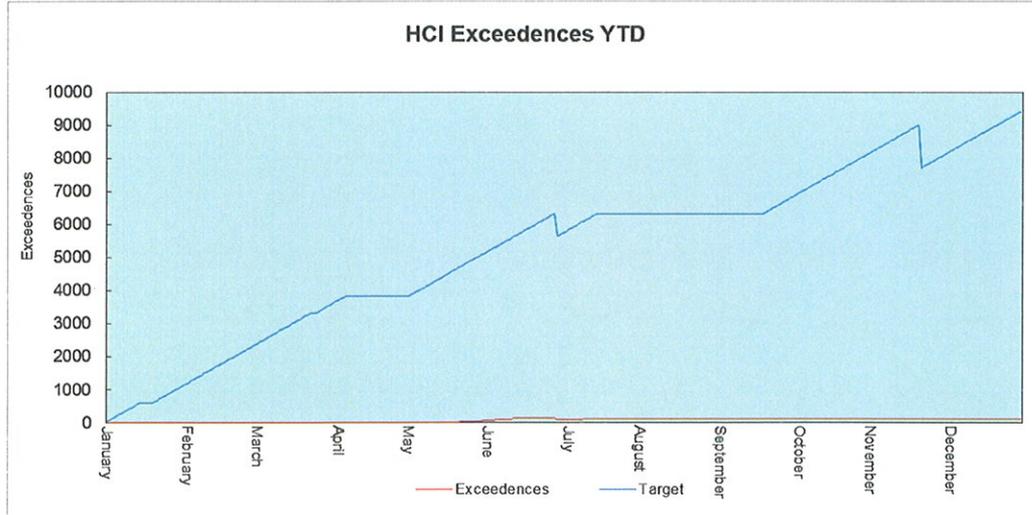
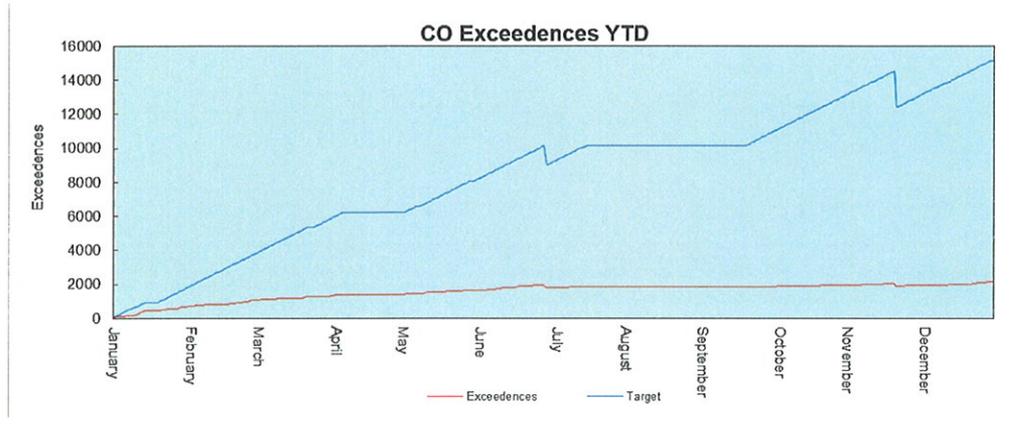


Annual Emissions- Average Daily Maximums

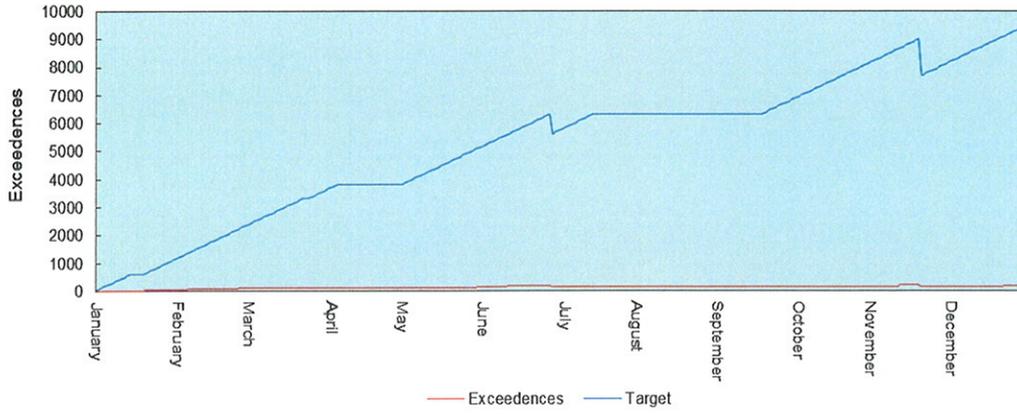


Plant Performance Against WID

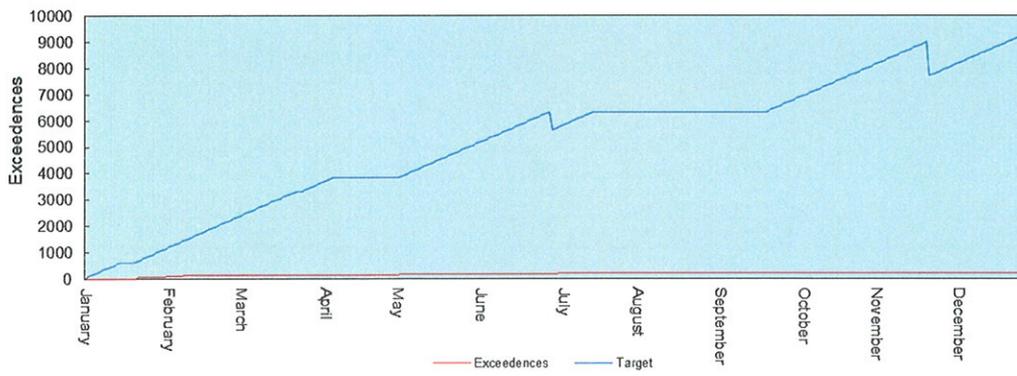
Air 100% Compliant
 Water 100% Compliant
 Land 100% Compliant



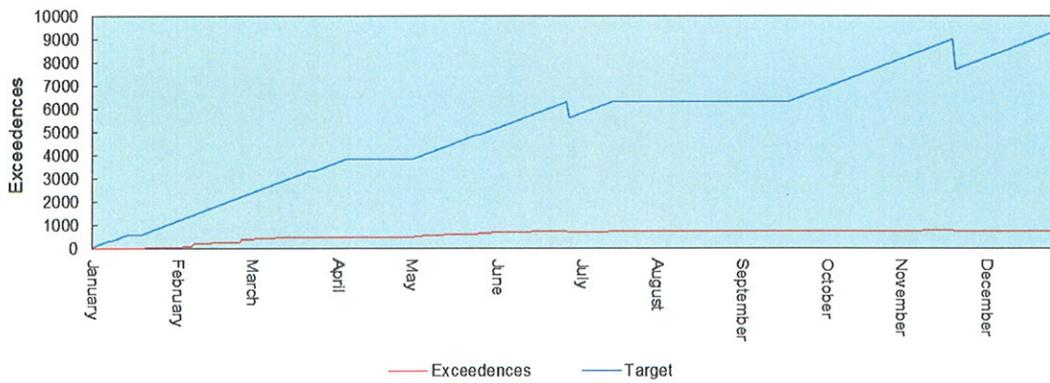
SOx Exceedences YTD



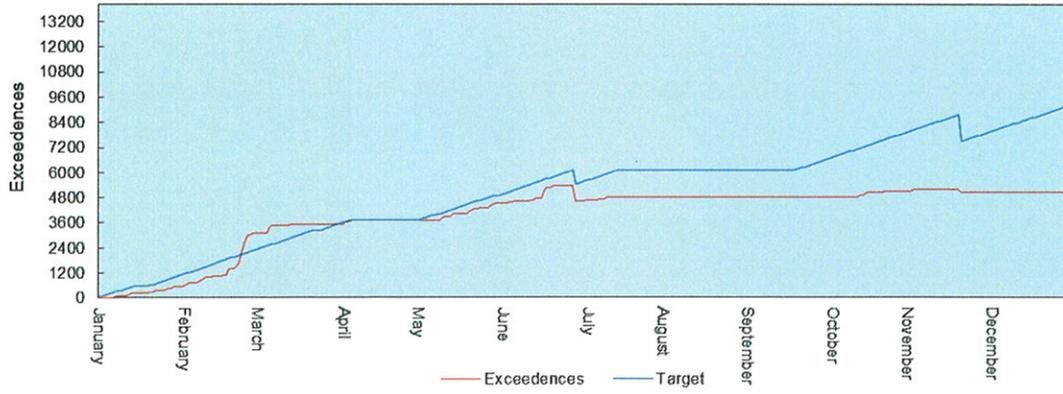
TOC Exceedences YTD



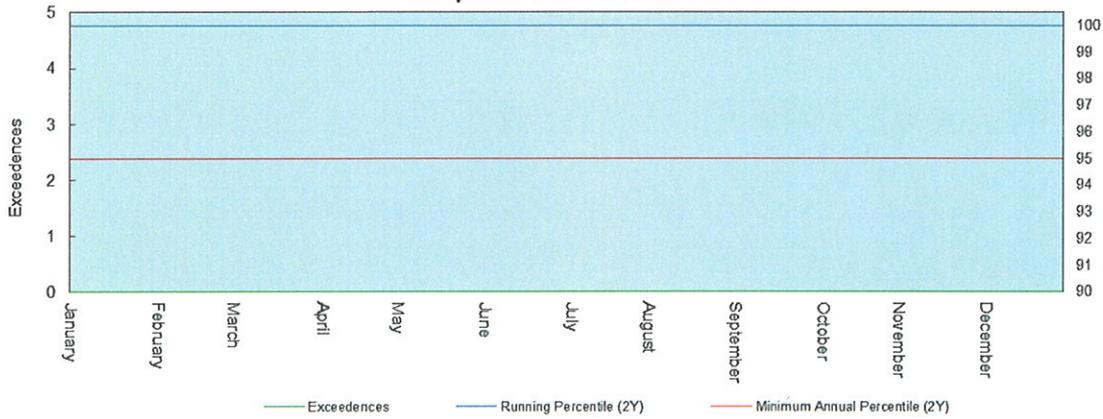
Dust Exceedences YTD



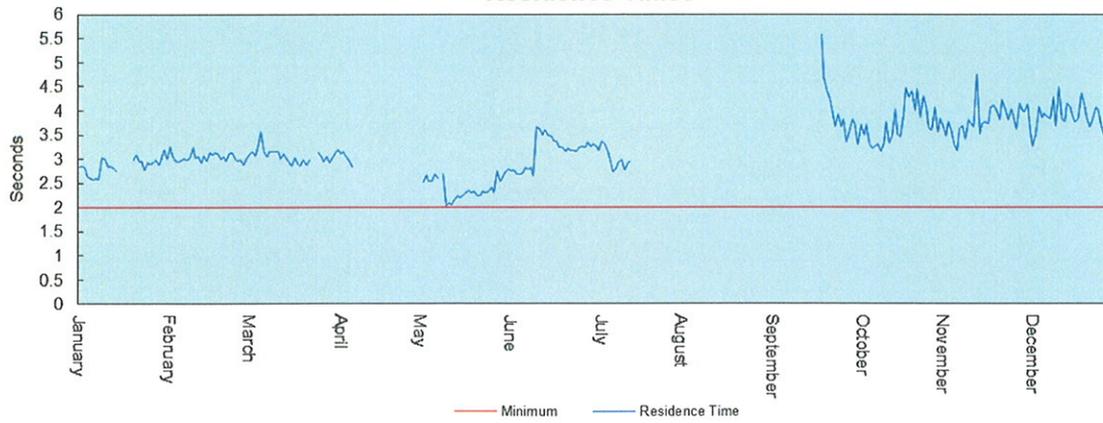
NOx Exceedences YTD



Suspended Solids Exceedences



Residence Times



Fugitive Releases

No fugitive release during period

Waste Disposal/Recovery

Material	EWC Code	Classification	Q1 Tonnage	Q2 Tonnage	Q3 Tonnage	Q4 Tonnage	Total Tonnage	Kg/Tonne Waste
Refractory Rubble	16 11 06	D01	0	227.3	404.36	0	631.66	11.03
Kiln Slag	19 01 12	D01	1120.9	770.83	182.96	1048.22	3122.91	54.55
ETP Filter Cake	19 02 06	D01	2144.26	1904.75	685.58	2627.8	7362.39	128.61
General Industrial Waste	20 03 01	D01	13.93	21.64	21.57	20.87	78.01	1.36
Spent Lime	19 01 07	D15	0	1.8	1.58	0	3.38	
Spent Lime	10 01 18	D15	0	4.74	0	0	4.74	
Wooden Pallets	15 01 03	R03	176.02	123.2	33.84	101.22	434.28	
Cardboard	20 01 01	R03	2.56	3.46	1.78	20.3	28.1	
Ferrous Metal (engineering)	16 01 17	R04	23.66	16.37	16.37	14.37	70.77	
Non Ferrous Metal	16 01 18	R04	0	0.74	7.55	6.33	14.62	
Mixed recyclates	20 03 01	R05	2.18	0.52	8.14	13.04	23.88	
Waste Oil	11 01 14	R13	0.02	0.02	0.04	0.05	0.13	
Steel/I	17 04 05	R04	2.76	0	0	0	2.76	
Kiln Metal	17 04 07	R04	0	118.92	6.6	10	135.52	



D C Smith
Technical Manager
31/01/19

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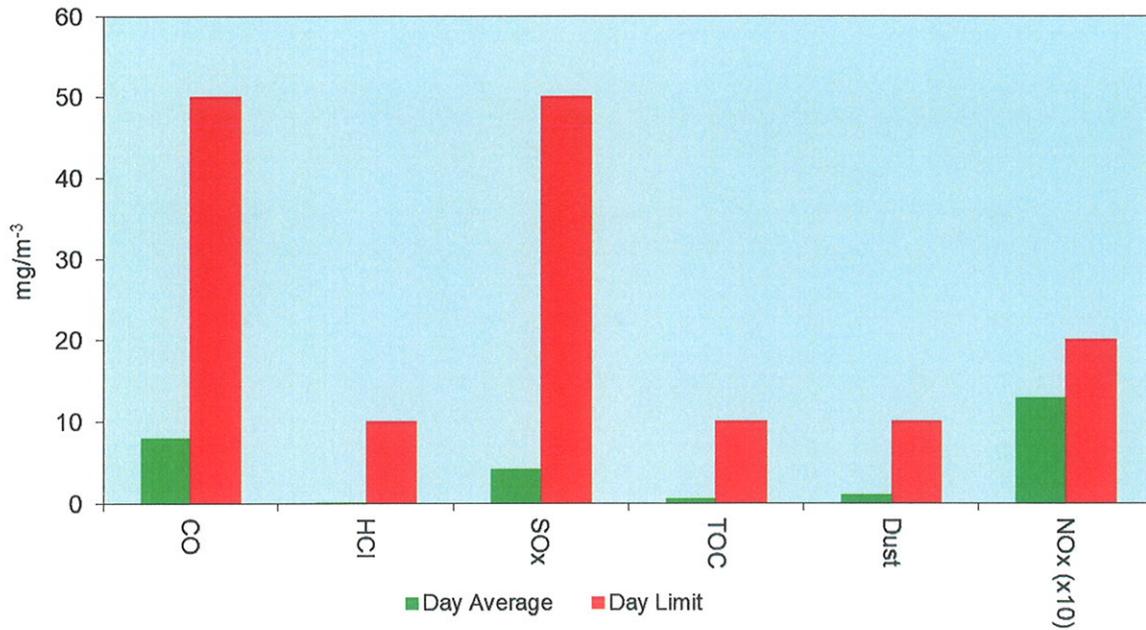
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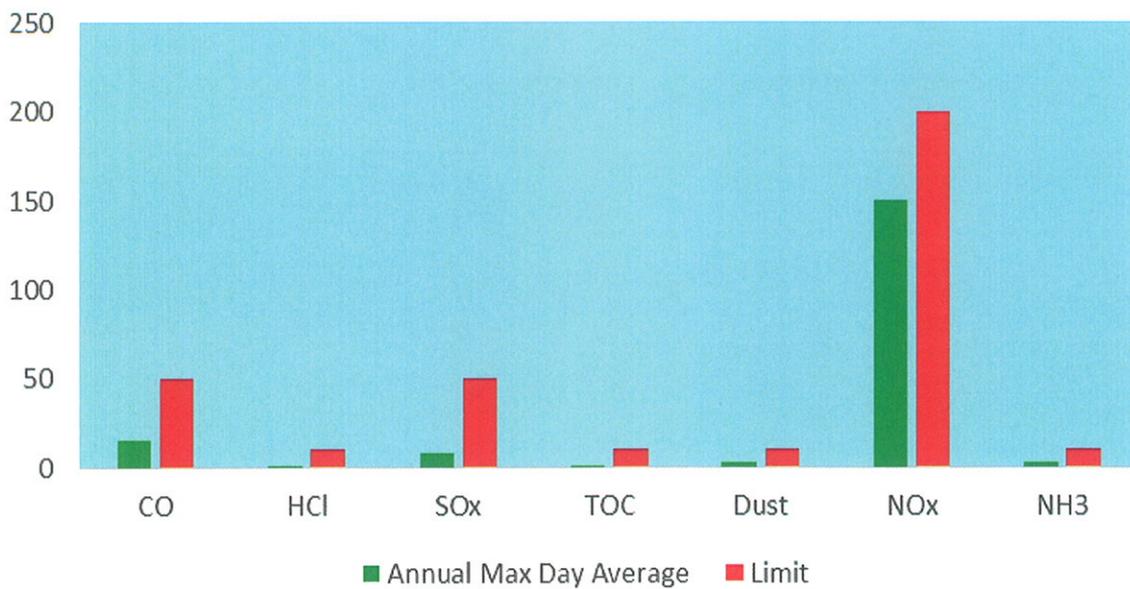
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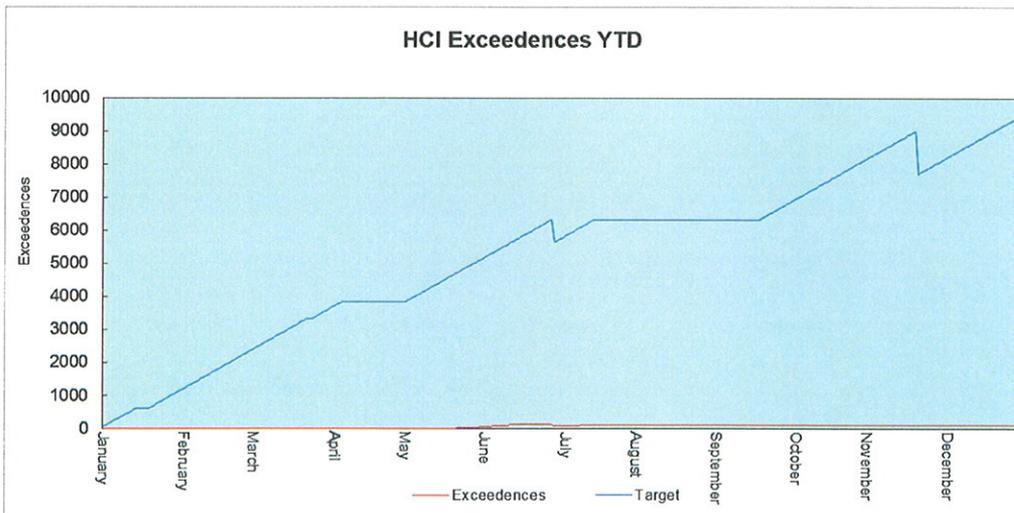
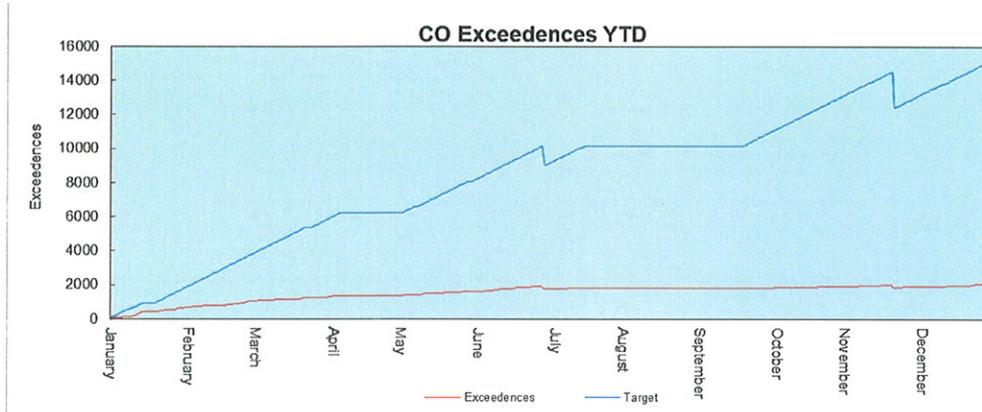


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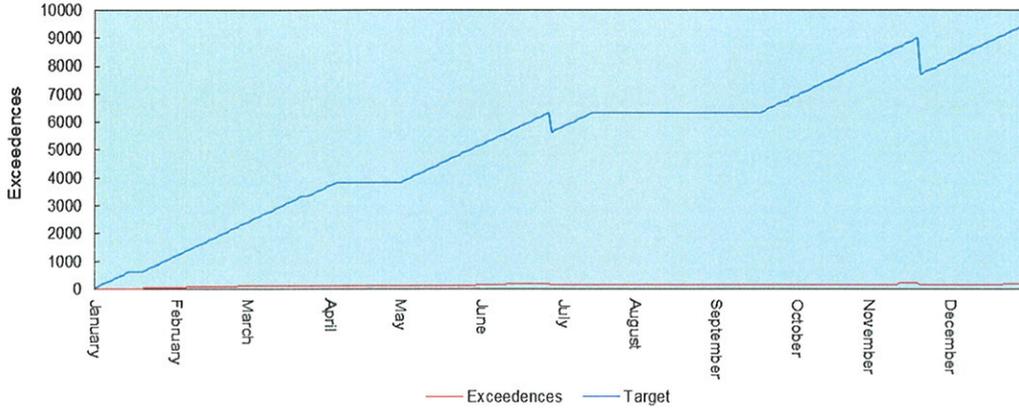


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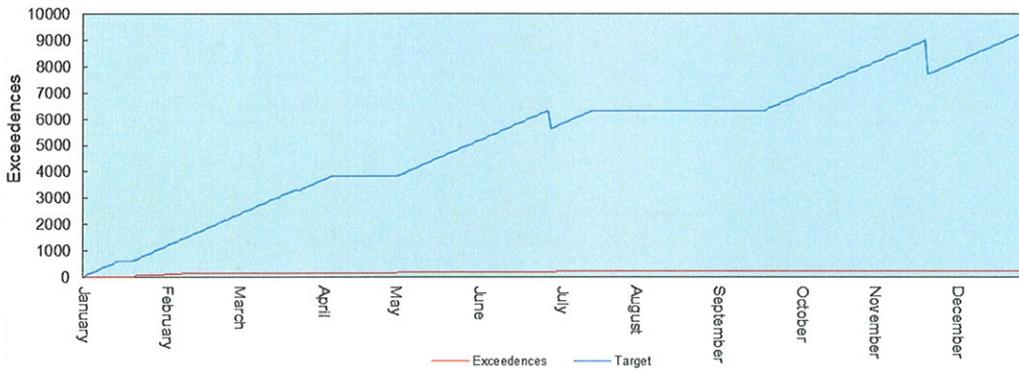
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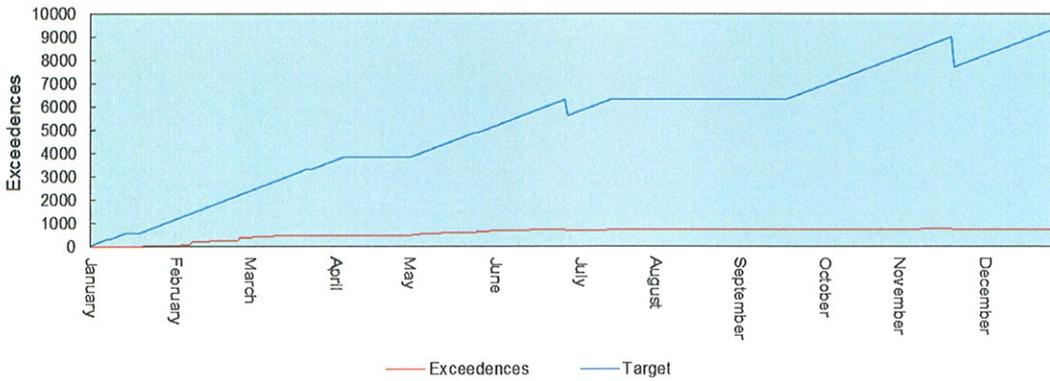
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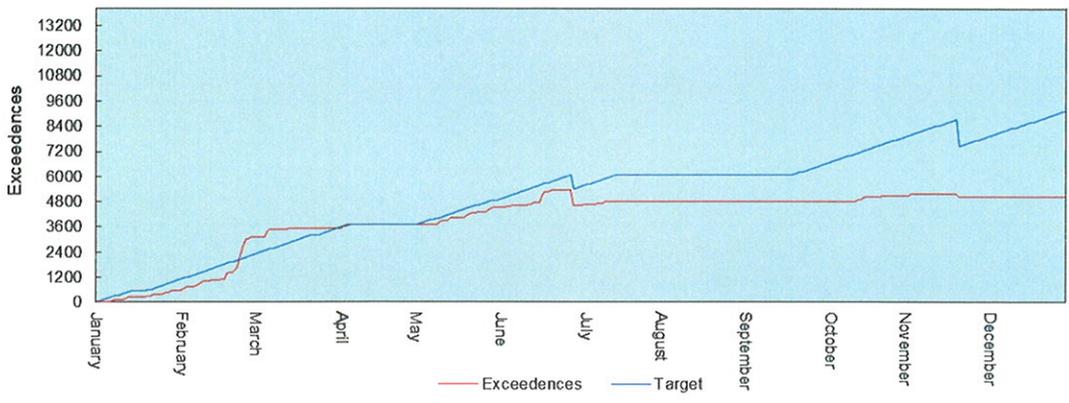
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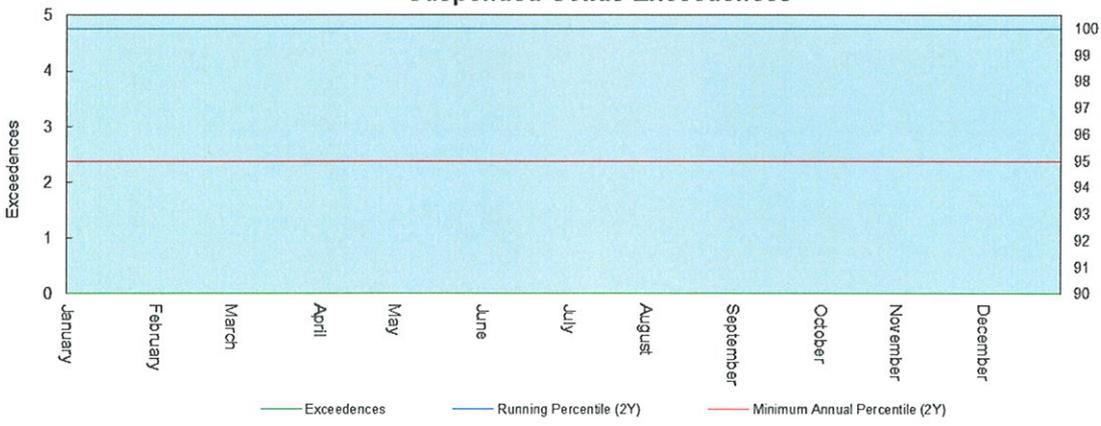
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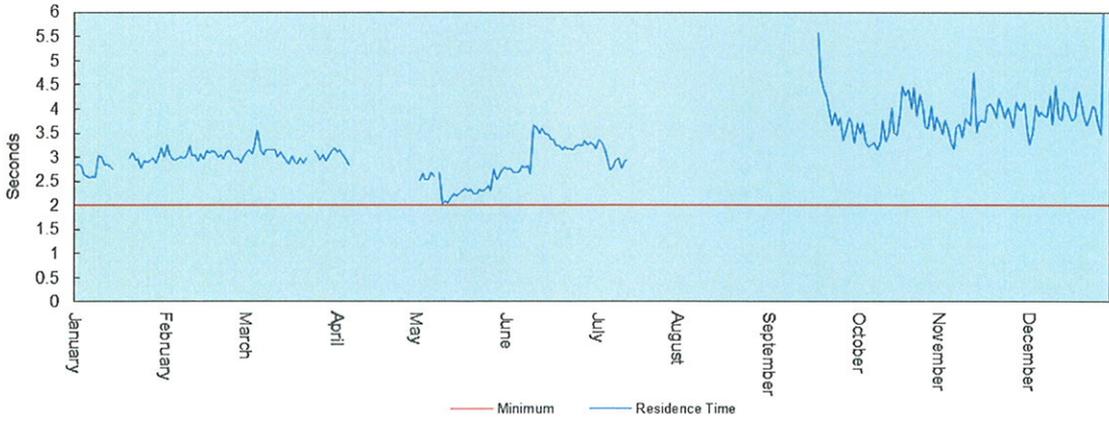
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