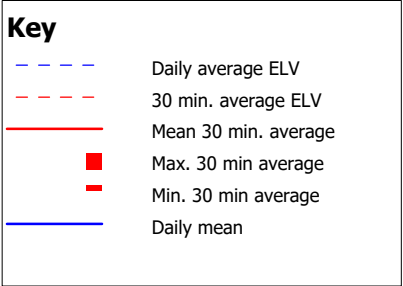


Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

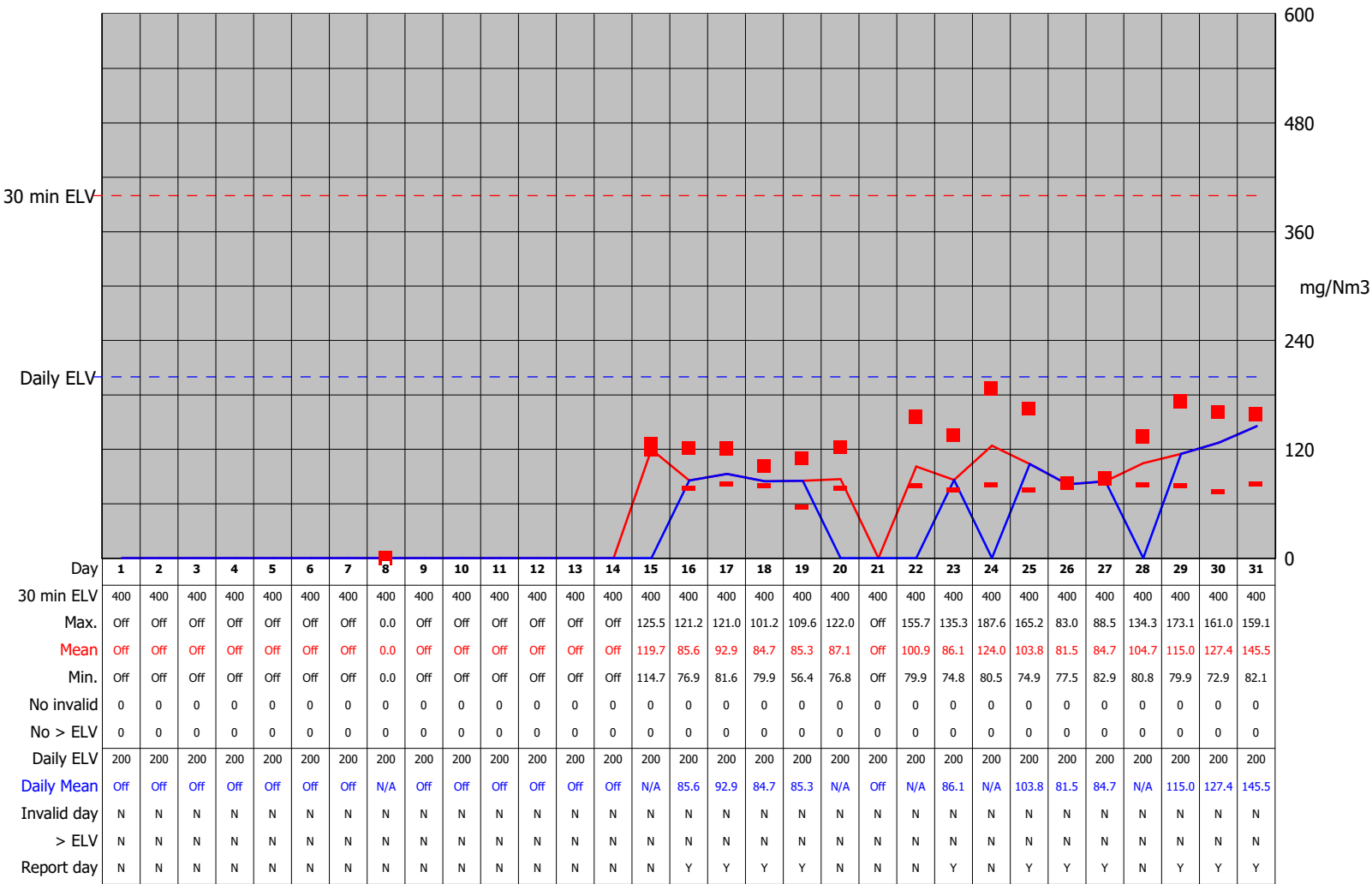
Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for NO_x , Emission Point Report for October, 2019



97th Percentile = 156.3
No. of valid averages = 687

Month summary	
30 min ELV	
Monthly max.	187.6
Monthly mean	100.3
Monthly min.	0.0
Total invalid	0
Sum > ELV	0
Daily ELV	
Monthly max	145.5
No. invalid days	0
No. > ELV	0
No. report days	11



Data is as processed without repairs.

Signature _____
authorised to sign on behalf of the company

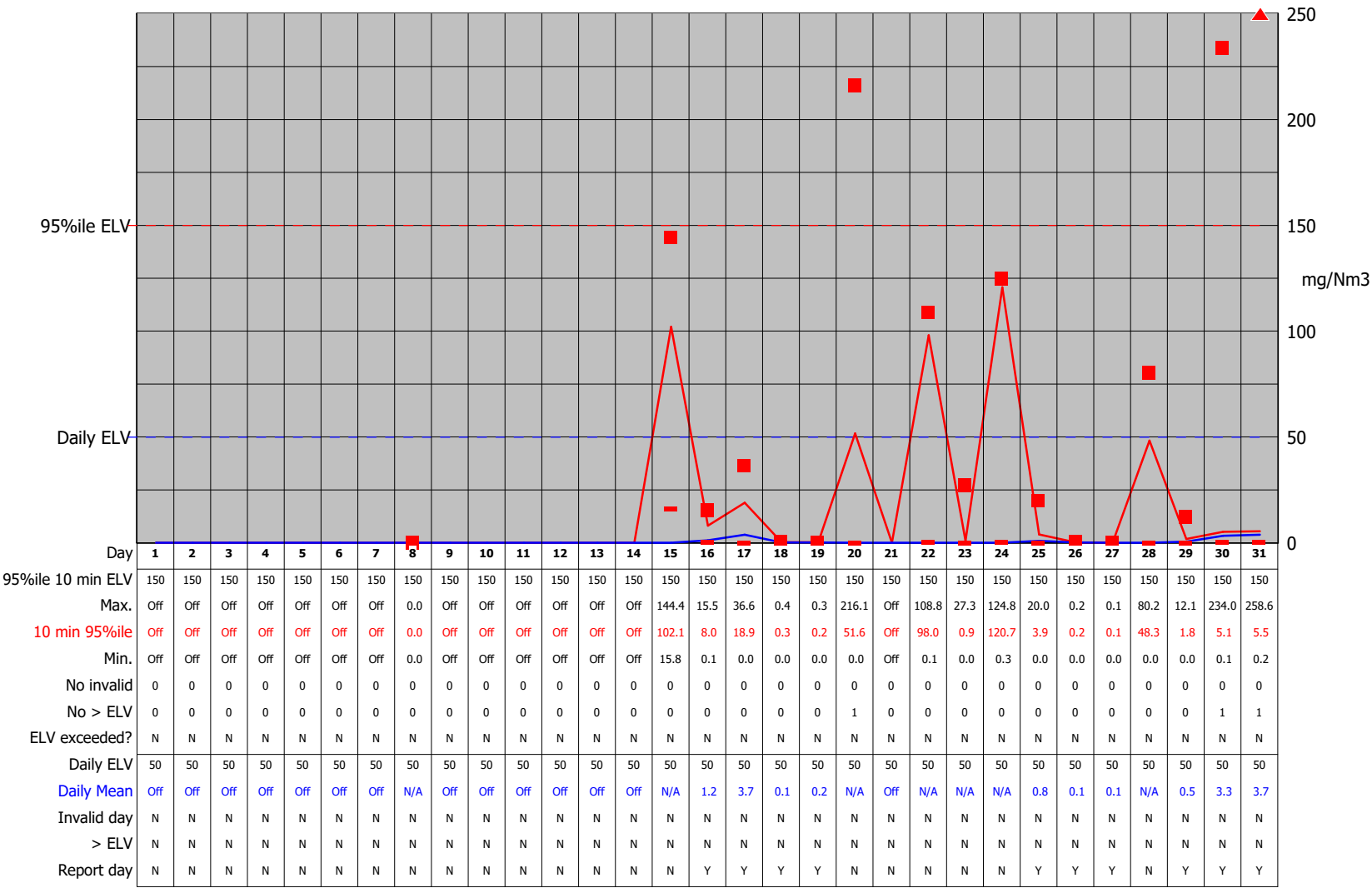
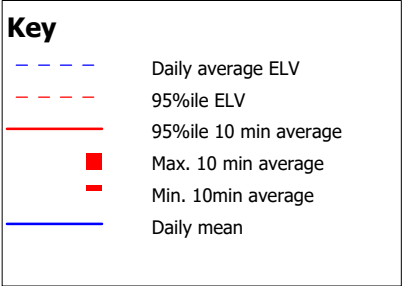
Date _____

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for CO, Emission Point Report for October, 2019



Month summary	
10 minute data	
Monthly max.	258.6
Monthly mean	7.3
Monthly min.	0.0
Total invalid	0
Sum > ELV	3
Daily ELV	
Monthly max	3.7
No. invalid days	0
No. > ELV	0
No. report days	10

Data is as processed without repairs.

Signature _____
authorised to sign on behalf of the company

Date _____



Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for SO₂ , Emission Point Report for October, 2019

Key

- Daily average ELV
- 30 min. average ELV
- Mean 30 min. average
- Max. 30 min average
- Min. 30 min average
- Daily mean

97th Percentile = 5.0

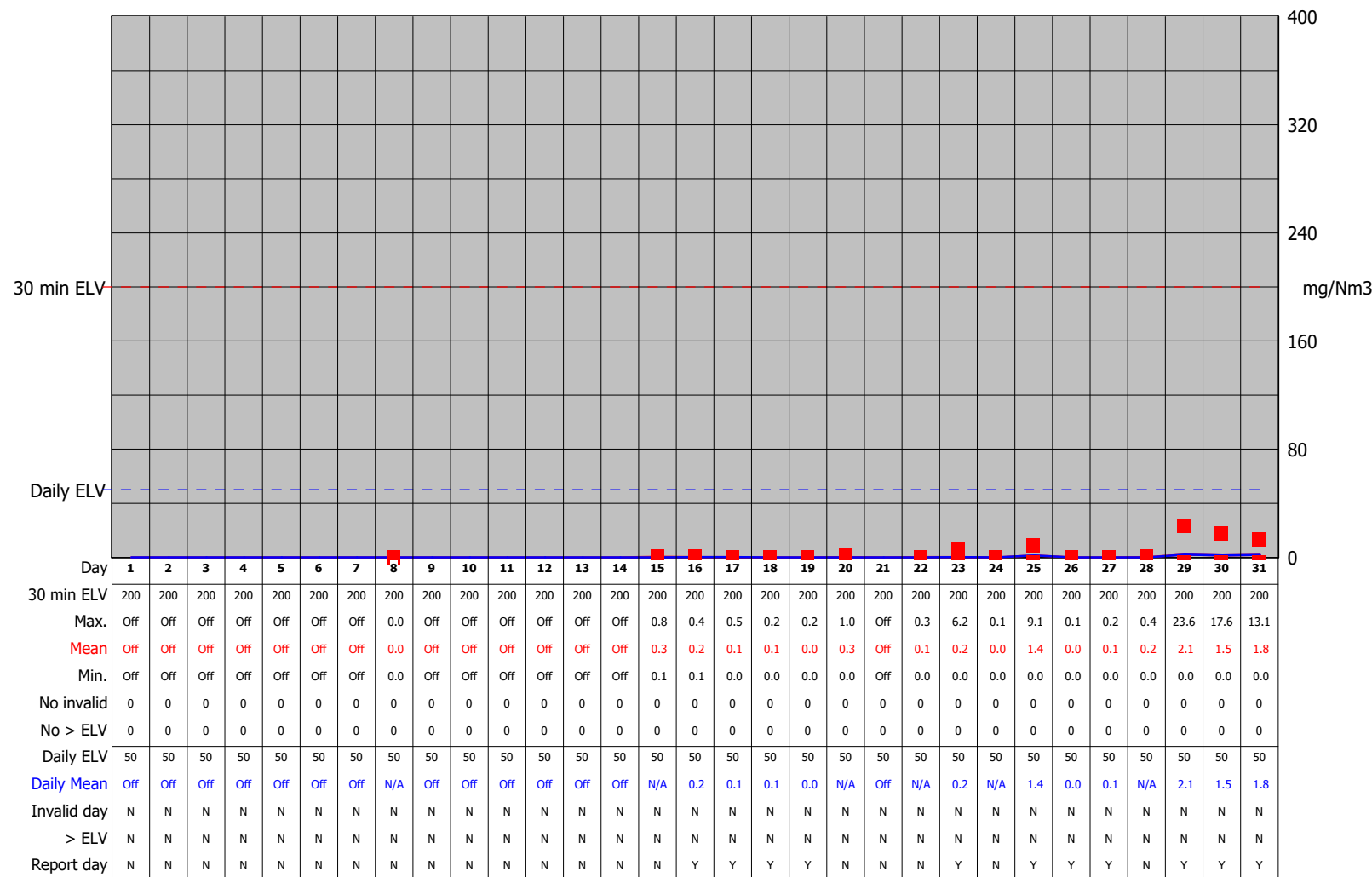
No. of valid averages = 687

Month summary

30 min ELV	
Monthly max.	23.6
Monthly mean	0.6
Monthly min.	0.0
Total invalid	0
Sum > ELV	0

Daily ELV

Monthly max	2.1
No. invalid days	0
No. > ELV	0
No. report days	11



Data is as processed without repairs.

Signature

authorised to sign on behalf of the company

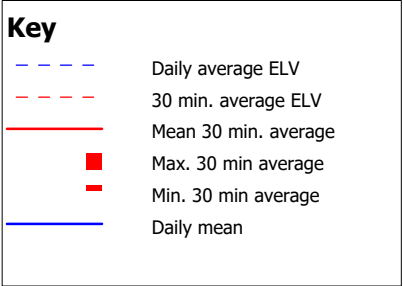
Date

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

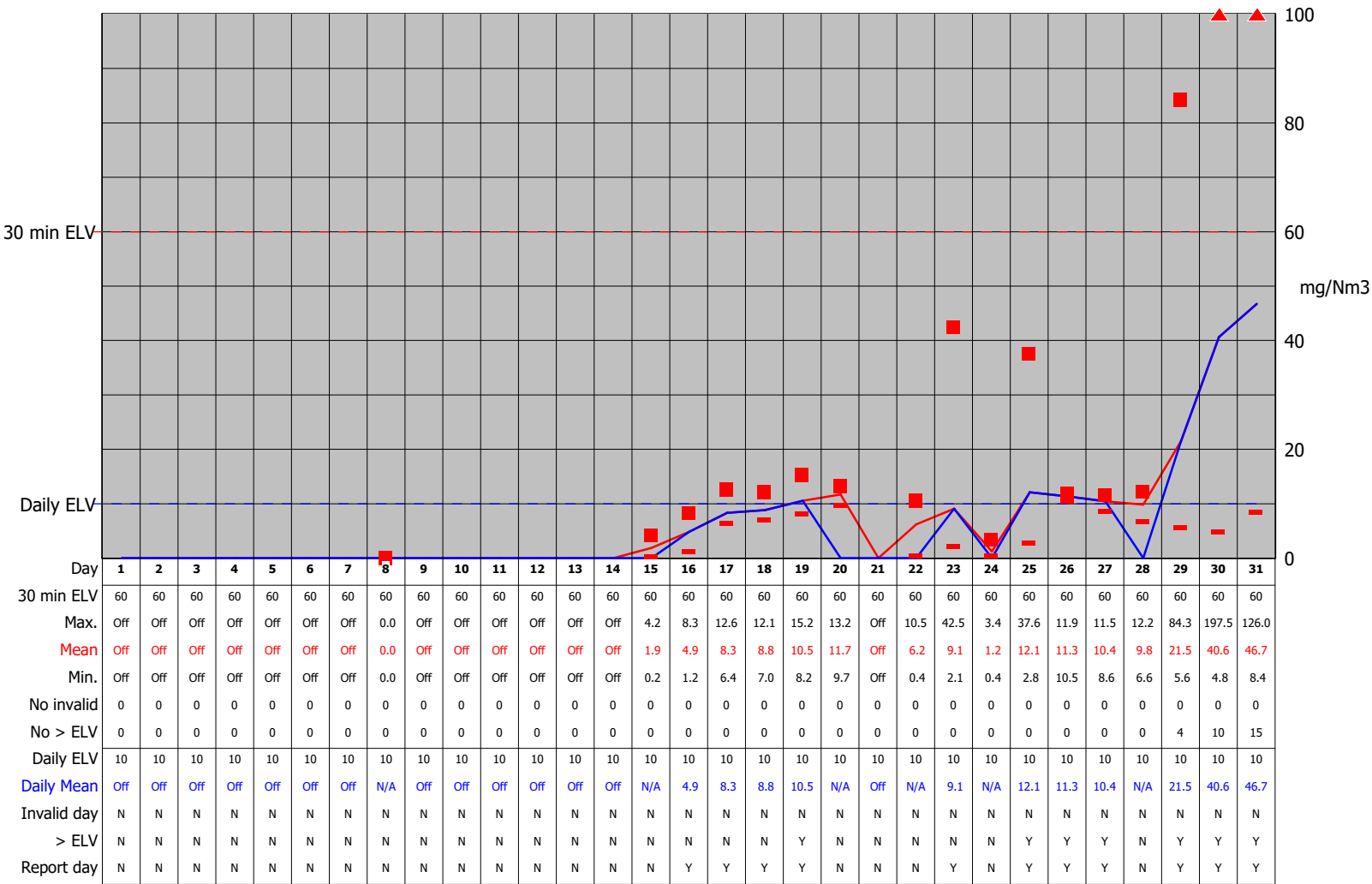
Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for HCl, Emission Point Report for October, 2019



97th Percentile = 72.0
No. of valid averages = 687

Month summary	
30 min ELV	
Monthly max.	197.5
Monthly mean	14.5
Monthly min.	0.0
Total invalid	0
Sum > ELV	29
Daily ELV	
Monthly max	46.7
No. invalid days	0
No. > ELV	7
No. report days	11



Data is as processed without repairs.

Signature _____
authorised to sign on behalf of the company

Date _____

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for NH₃ , Emission Point Report for October, 2019

Key

--- Daily average ELV

— Daily mean

97th Percentile = 0.2

No. of valid averages = 687

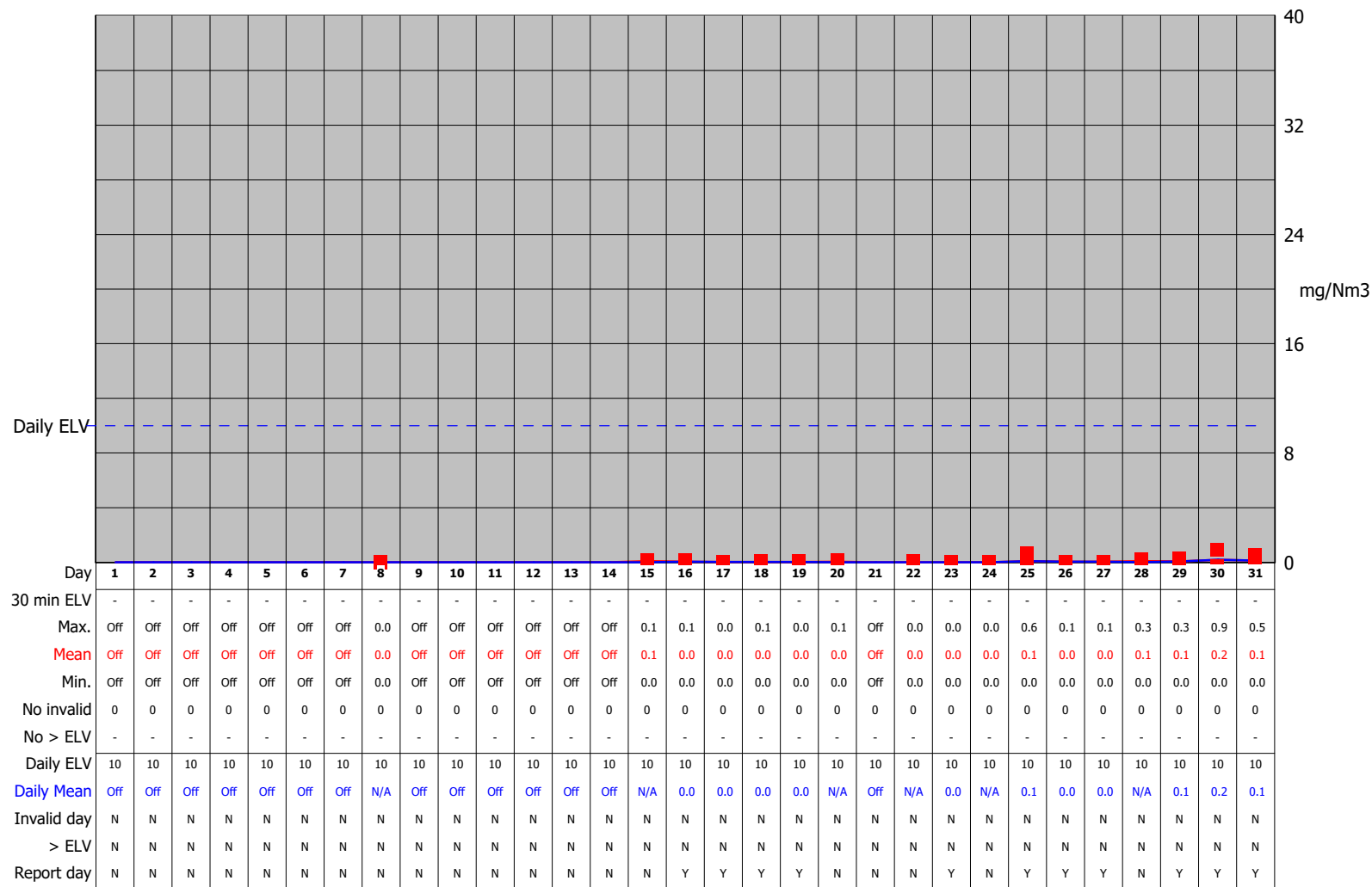
Month summary

30 min ELV

Monthly max.	0.9
Monthly mean	0.1
Monthly min.	0.0
Total invalid	0
Sum > ELV	0

Daily ELV

Monthly max	0.2
No. invalid days	0
No. > ELV	0
No. report days	11



Data is as processed without repairs.

Signature

authorised to sign on behalf of the company

Date

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for TOC, Emission Point Report for October, 2019

Key

- Daily average ELV
- 30 min. average ELV
- Mean 30 min. average
- Max. 30 min average
- Min. 30 min average
- Daily mean

97th Percentile = 7.7

No. of valid averages = 687

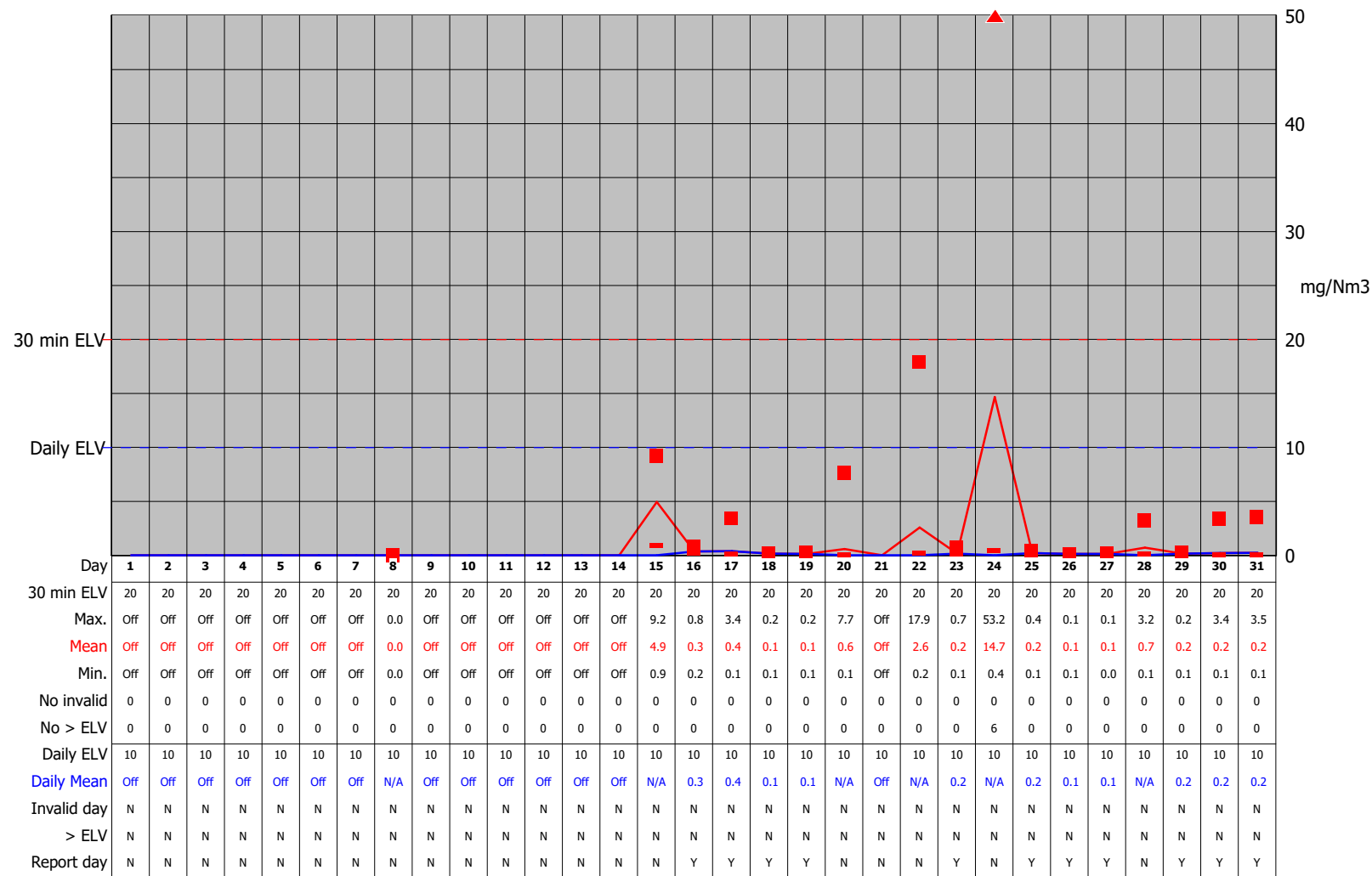
Month summary

30 min ELV

Monthly max.	53.2
Monthly mean	1.0
Monthly min.	0.0
Total invalid	0
Sum > ELV	6

Daily ELV

Monthly max	0.4
No. invalid days	0
No. > ELV	0
No. report days	11



Data is as processed without repairs.

Signature

authorised to sign on behalf of the company

Date

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for Dust, Emission Point Report for October, 2019

Key

- Daily average ELV
- 30 min. average ELV
- Mean 30 min. average
- Max. 30 min average
- Min. 30 min average
- Daily mean

97th Percentile = 0.4

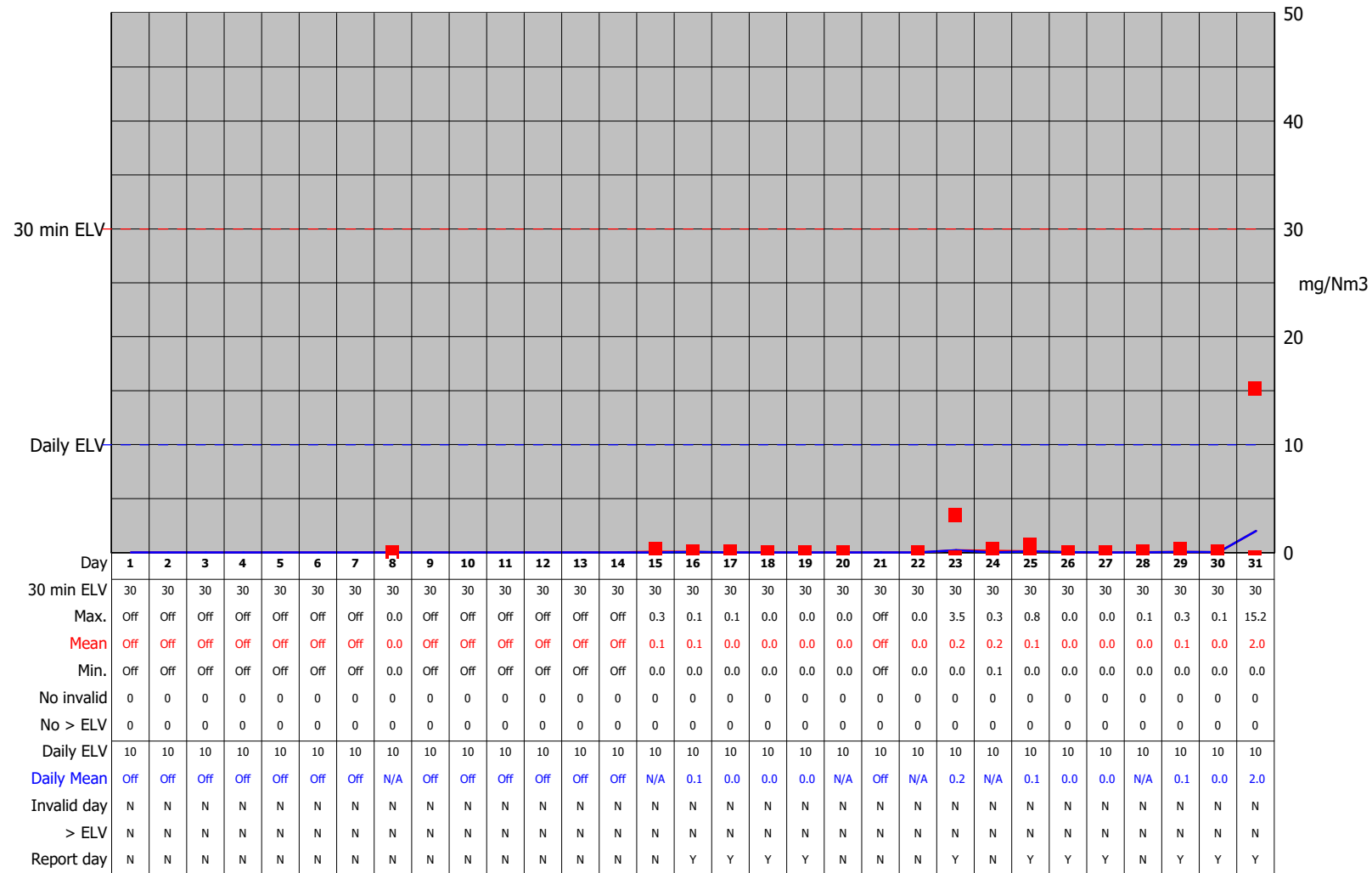
No. of valid averages = 687

Month summary

30 min ELV	
Monthly max.	15.2
Monthly mean	0.2
Monthly min.	0.0
Total invalid	0
Sum > ELV	0

Daily ELV

Monthly max	2.0
No. invalid days	0
No. > ELV	0
No. report days	11



Data is as processed without repairs.

Signature

authorised to sign on behalf of the company

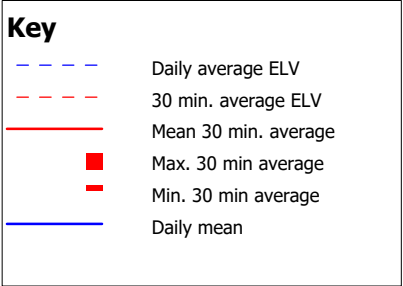
Date

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

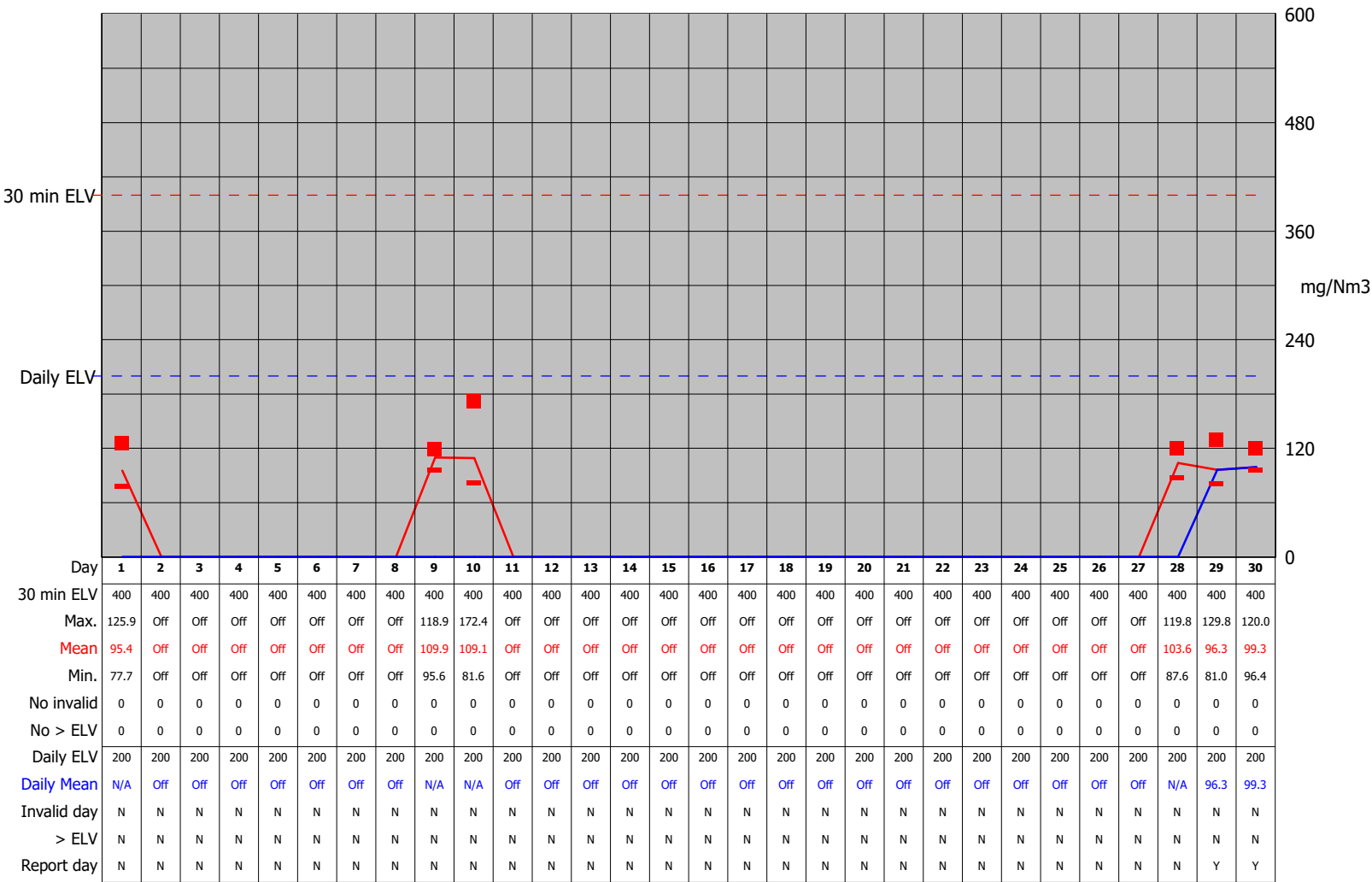
Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for NO_x , Emission Point Report for November, 2019



97th Percentile = 132.2
No. of valid averages = 213

Month summary	
30 min ELV	
Monthly max.	172.4
Monthly mean	101.5
Monthly min.	77.7
Total invalid	0
Sum > ELV	0
Daily ELV	
Monthly max	99.3
No. invalid days	0
No. > ELV	0
No. report days	2



Data is as processed without repairs.

Signature _____
authorised to sign on behalf of the company

Date _____

Permit Number: EPR/NP3837NV

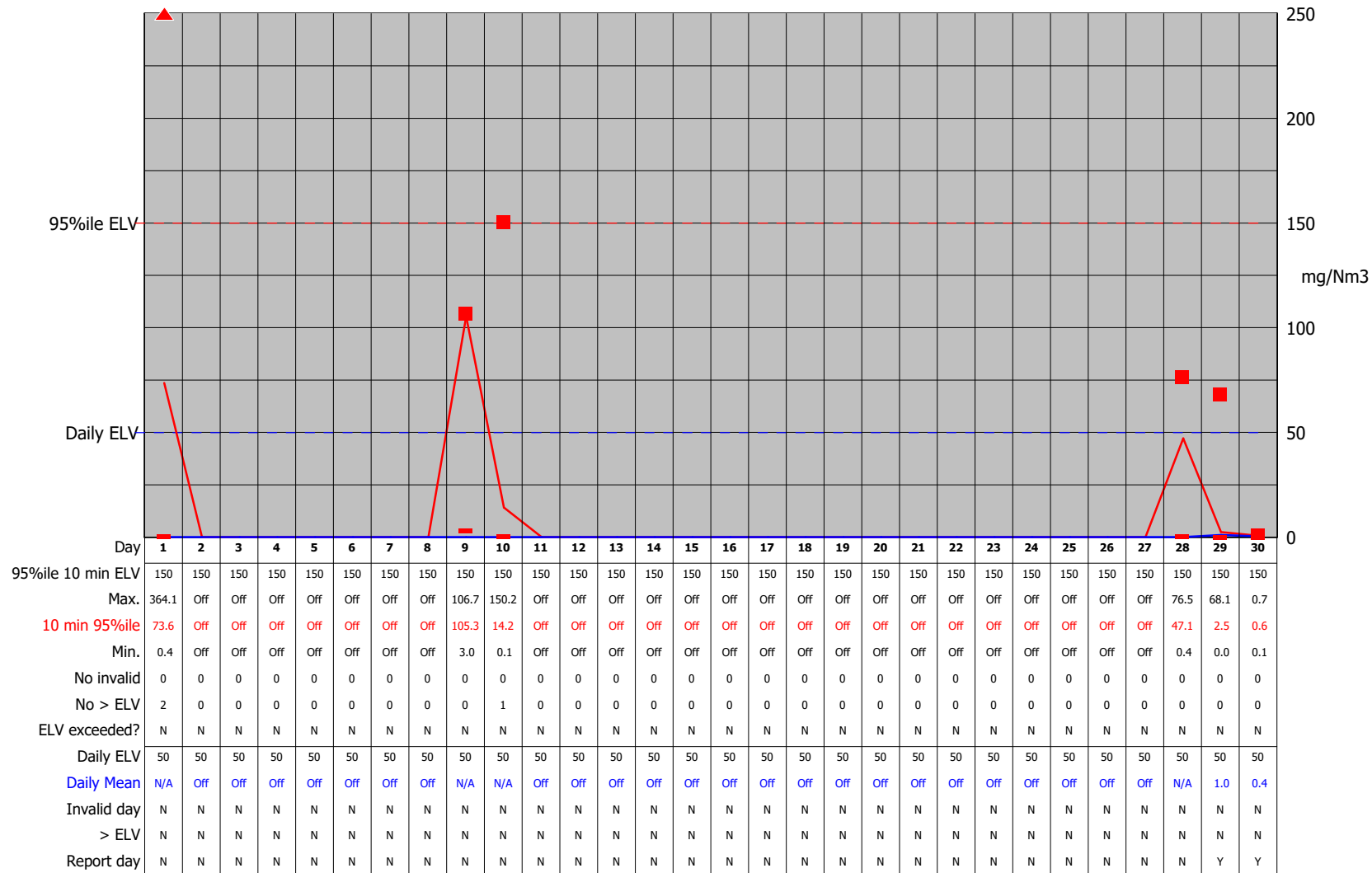
Operator: Energy Works (Hull) Limited

Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for CO, Emission Point Report for November, 2019

Key

- Daily average ELV
- 95%ile ELV
- 95%ile 10 min average
- Max. 10 min average
- Min. 10min average
- Daily mean



Month summary

10 minute data

Monthly max.	364.1
Monthly mean	9.8
Monthly min.	0.0
Total invalid	0
Sum > ELV	3

Daily ELV

Monthly max	1.0
No. invalid days	0
No. > ELV	0
No. report days	2

Data is as processed without repairs.

Signature

authorised to sign on behalf of the company

Date

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for SO₂ , Emission Point Report for November, 2019

Key

Daily average ELV

30 min. average ELV

Mean 30 min. average

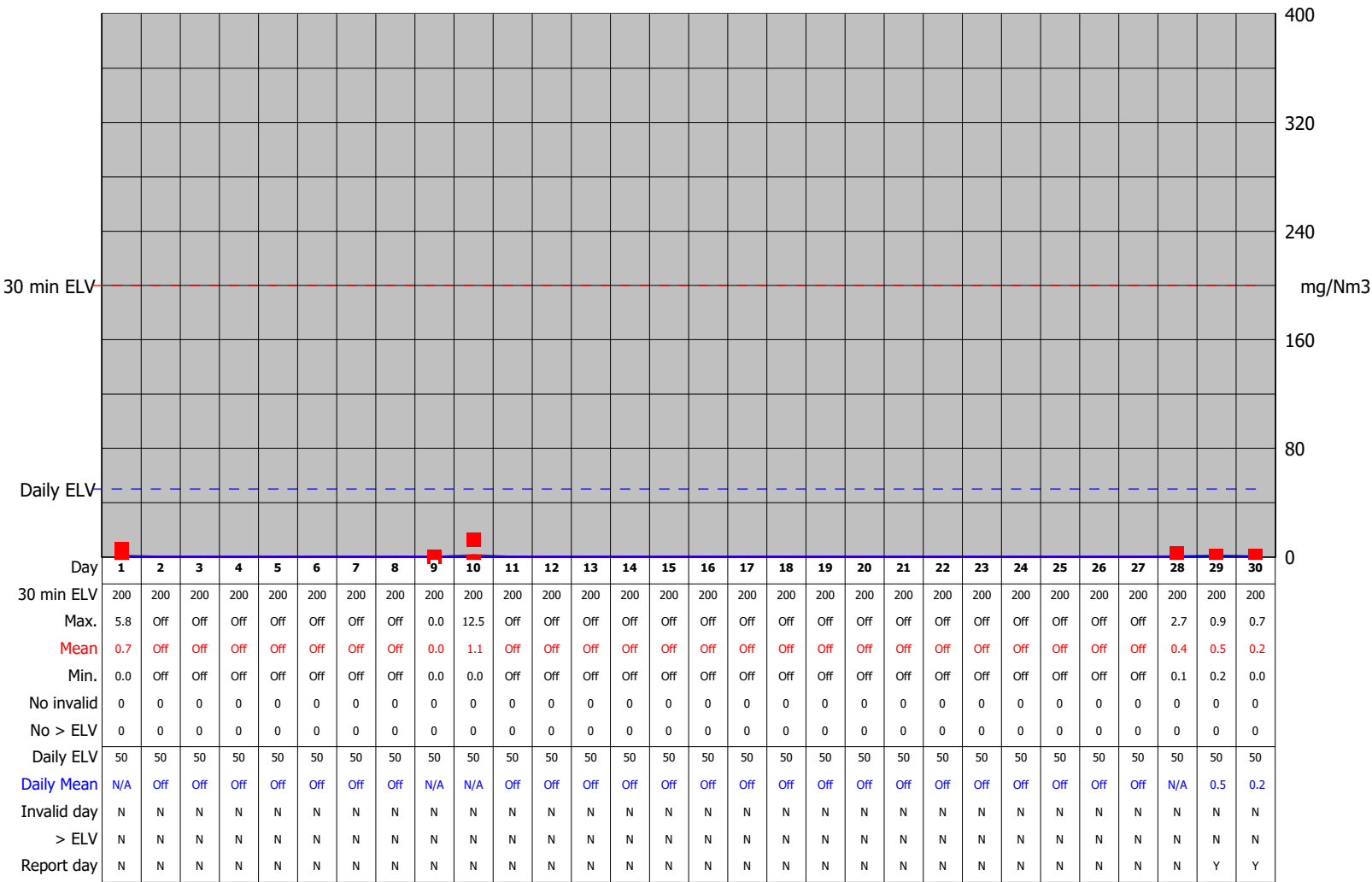
Max. 30 min average

Min. 30 min average

Daily mean

97th Percentile = 3.4
No. of valid averages = 213

Month summary	
30 min ELV	
Monthly max.	12.5
Monthly mean	0.5
Monthly min.	0.0
Total invalid	0
Sum > ELV	0
Daily ELV	
Monthly max	0.5
No. invalid days	0
No. > ELV	0
No. report days	2



Data is as processed without repairs.

Signature

authorised to sign on behalf of the company

Date

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for HCl, Emission Point Report for November, 2019

Key

Daily average ELV

30 min. average ELV

Mean 30 min. average

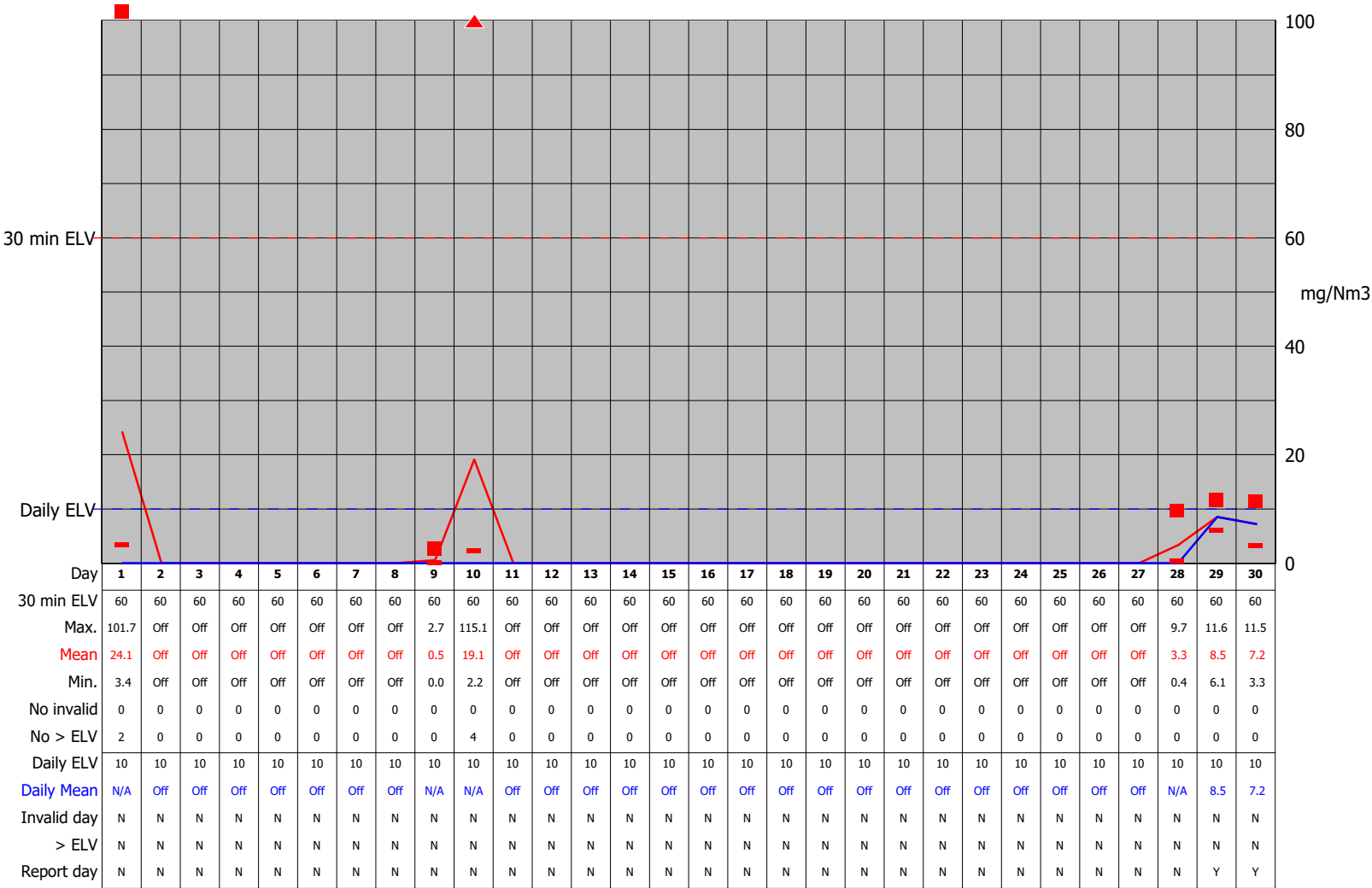
Max. 30 min average

Min. 30 min average

Daily mean

97th Percentile = 52.1
No. of valid averages = 213

Month summary	
30 min ELV	
Monthly max.	115.1
Monthly mean	10.6
Monthly min.	0.0
Total invalid	0
Sum > ELV	6
Daily ELV	
Monthly max	8.5
No. invalid days	0
No. > ELV	0
No. report days	2



Data is as processed without repairs.

Signature _____
authorised to sign on behalf of the company

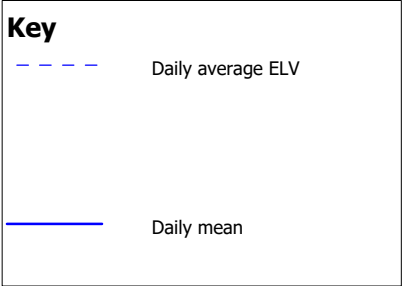
Date _____

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

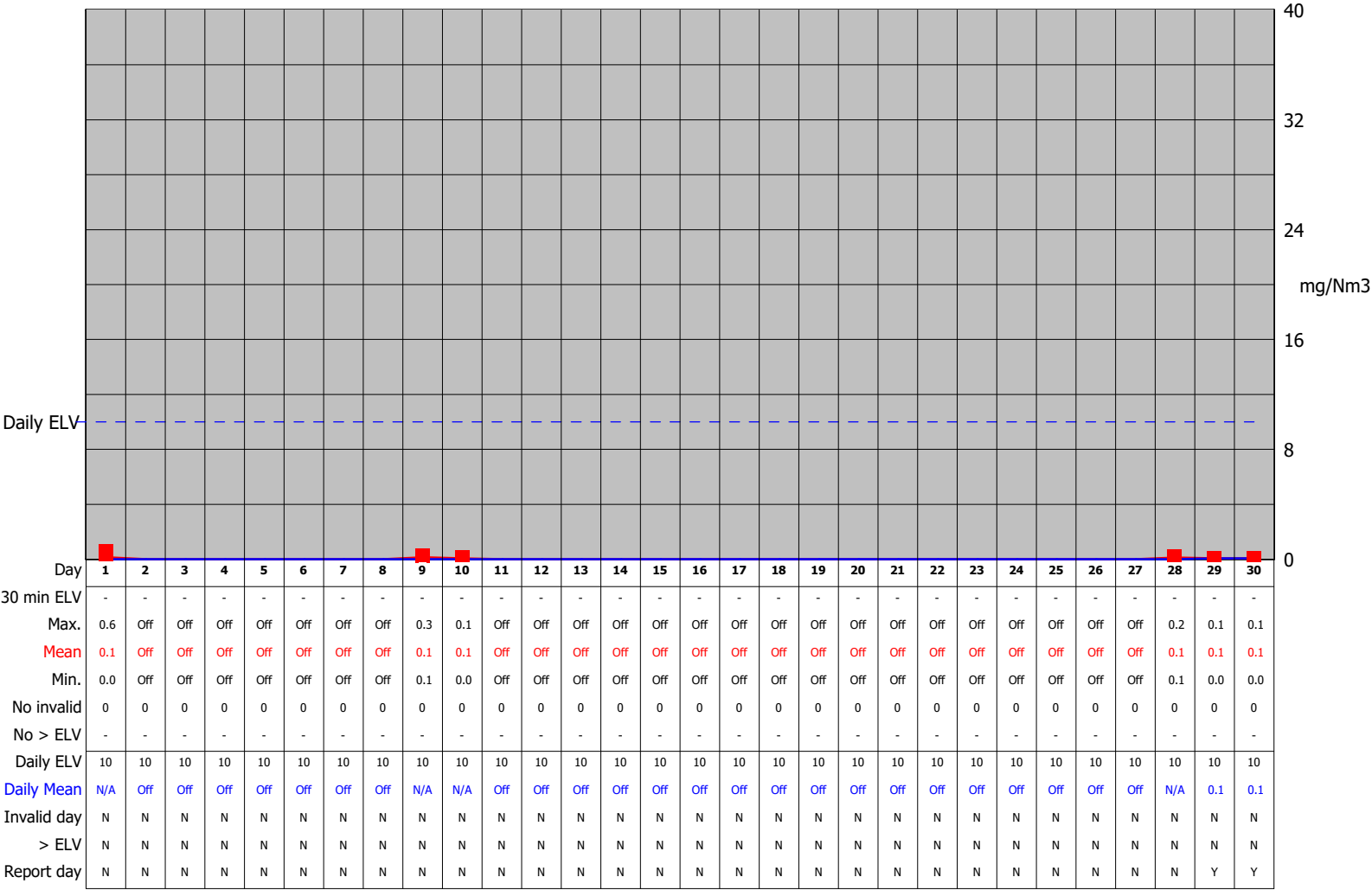
Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for NH₃ , Emission Point Report for November, 2019



97th Percentile = 0.2
No. of valid averages = 213

Month summary	
30 min ELV	
Monthly max.	0.6
Monthly mean	0.1
Monthly min.	0.0
Total invalid	0
Sum > ELV	0
Daily ELV	
Monthly max	0.1
No. invalid days	0
No. > ELV	0
No. report days	2



Data is as processed without repairs.

Signature

authorised to sign on behalf of the company

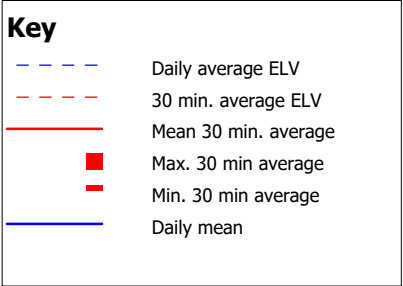
Date

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

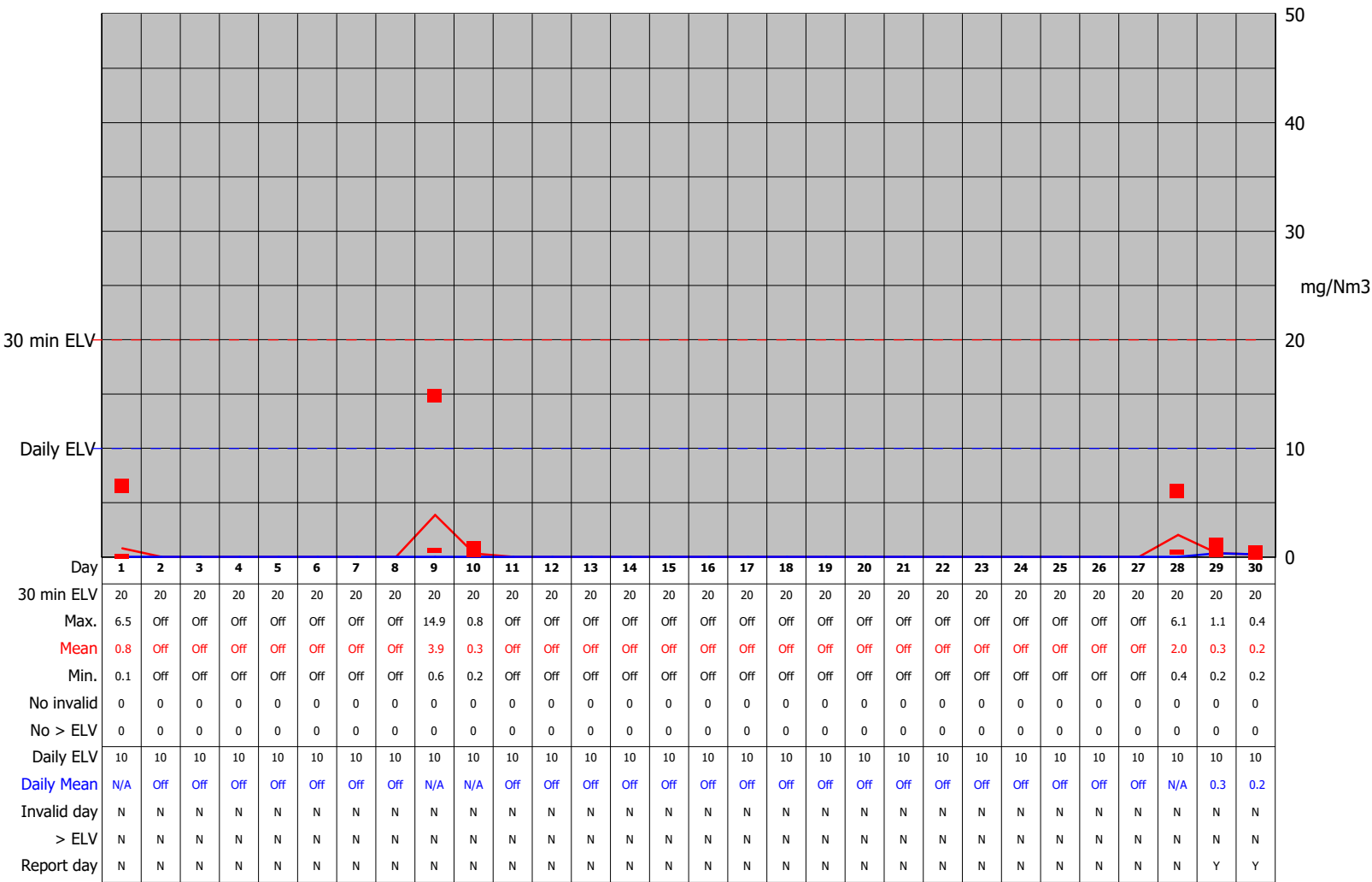
Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for TOC, Emission Point Report for November, 2019



97th Percentile = 6.5
No. of valid averages = 213

Month summary	
30 min ELV	
Monthly max.	14.9
Monthly mean	1.0
Monthly min.	0.1
Total invalid	0
Sum > ELV	0
Daily ELV	
Monthly max	0.3
No. invalid days	0
No. > ELV	0
No. report days	2



Data is as processed without repairs.

Signature _____
authorised to sign on behalf of the company

Date _____

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for Dust, Emission Point Report for November, 2019

Key

Daily average ELV

30 min. average ELV

Mean 30 min. average

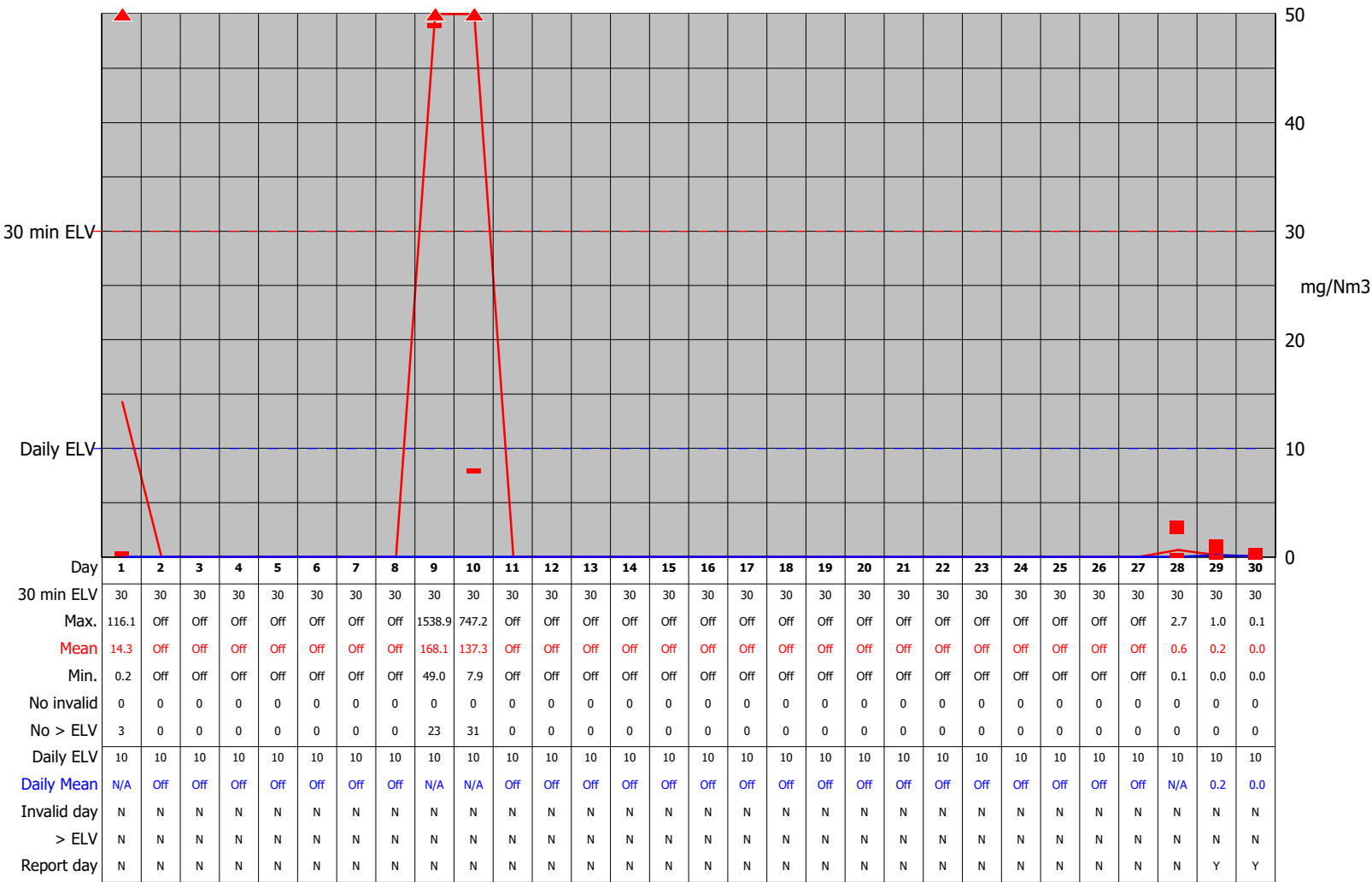
Max. 30 min average

Min. 30 min average

Daily mean

97th Percentile = 351.1
No. of valid averages = 213

Month summary	
30 min ELV	
Monthly max.	1538.9
Monthly mean	44.1
Monthly min.	0.0
Total invalid	0
Sum > ELV	57
Daily ELV	
Monthly max	0.2
No. invalid days	0
No. > ELV	0
No. report days	2



Data is as processed without repairs.

Signature _____
authorised to sign on behalf of the company

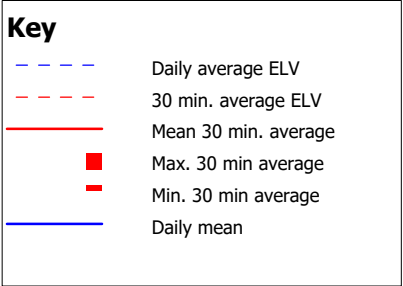
Date _____

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

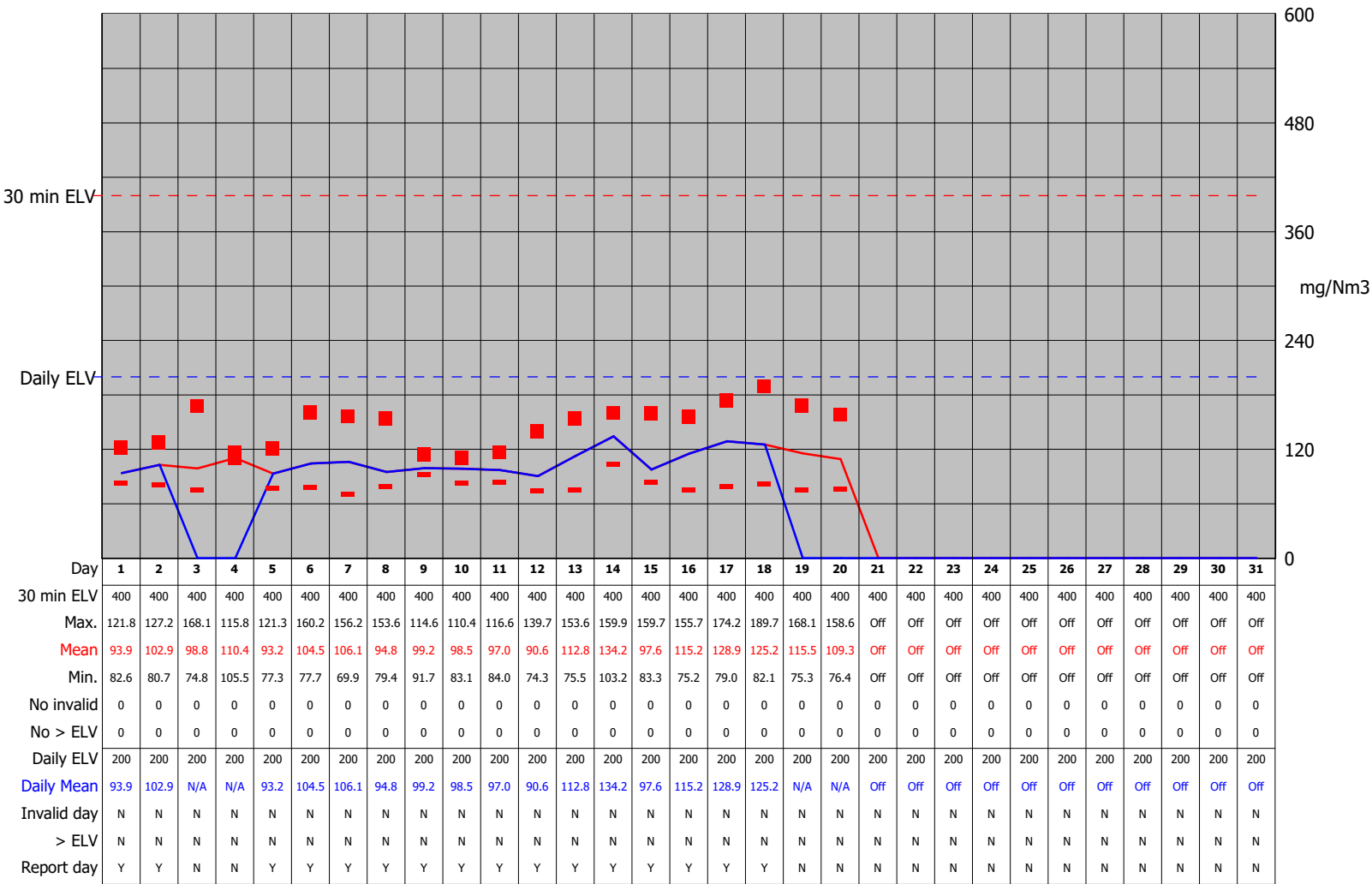
Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for NO_x , Emission Point Report for December, 2019



97th Percentile = 154.4
No. of valid averages = 886

Month summary	
30 min ELV	
Monthly max.	189.7
Monthly mean	106.3
Monthly min.	69.9
Total invalid	0
Sum > ELV	0
Daily ELV	
Monthly max	134.2
No. invalid days	0
No. > ELV	0
No. report days	16



Data is as processed without repairs.

Signature _____
authorised to sign on behalf of the company

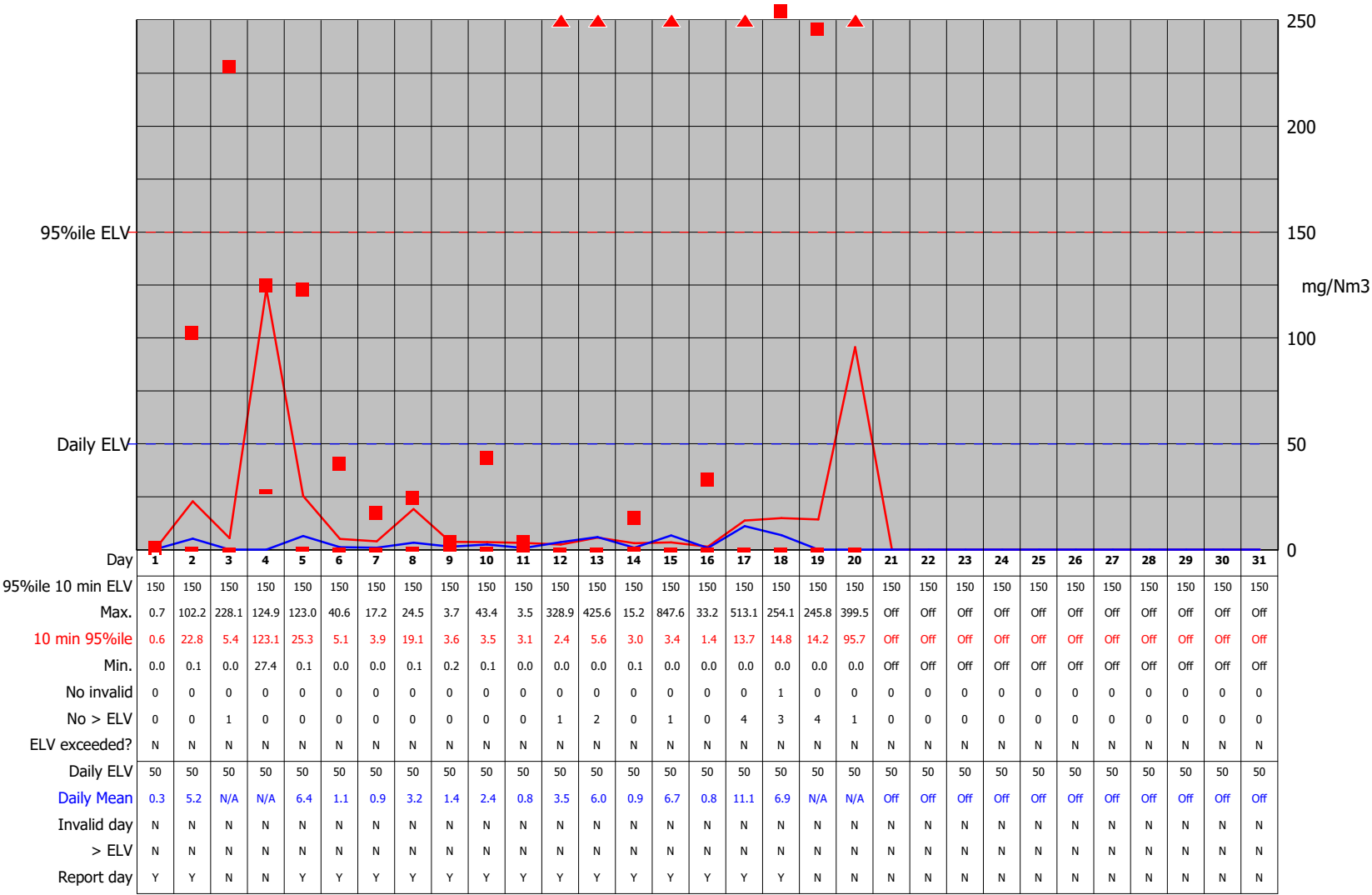
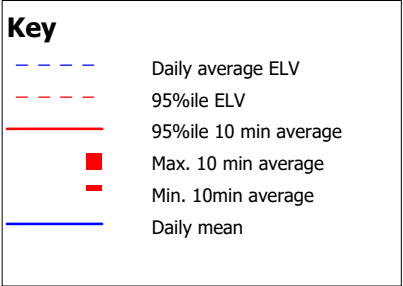
Date _____

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for CO, Emission Point Report for December, 2019



Month summary	
10 minute data	
Monthly max.	847.6
Monthly mean	5.2
Monthly min.	0.0
Total invalid	1
Sum > ELV	17
Daily ELV	
Monthly max	11.1
No. invalid days	0
No. > ELV	0
No. report days	16

Data is as processed without repairs.

Signature _____
authorised to sign on behalf of the company

Date _____



Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for SO₂ , Emission Point Report for December, 2019

Key

Daily average ELV

30 min. average ELV

Mean 30 min. average

Max. 30 min average

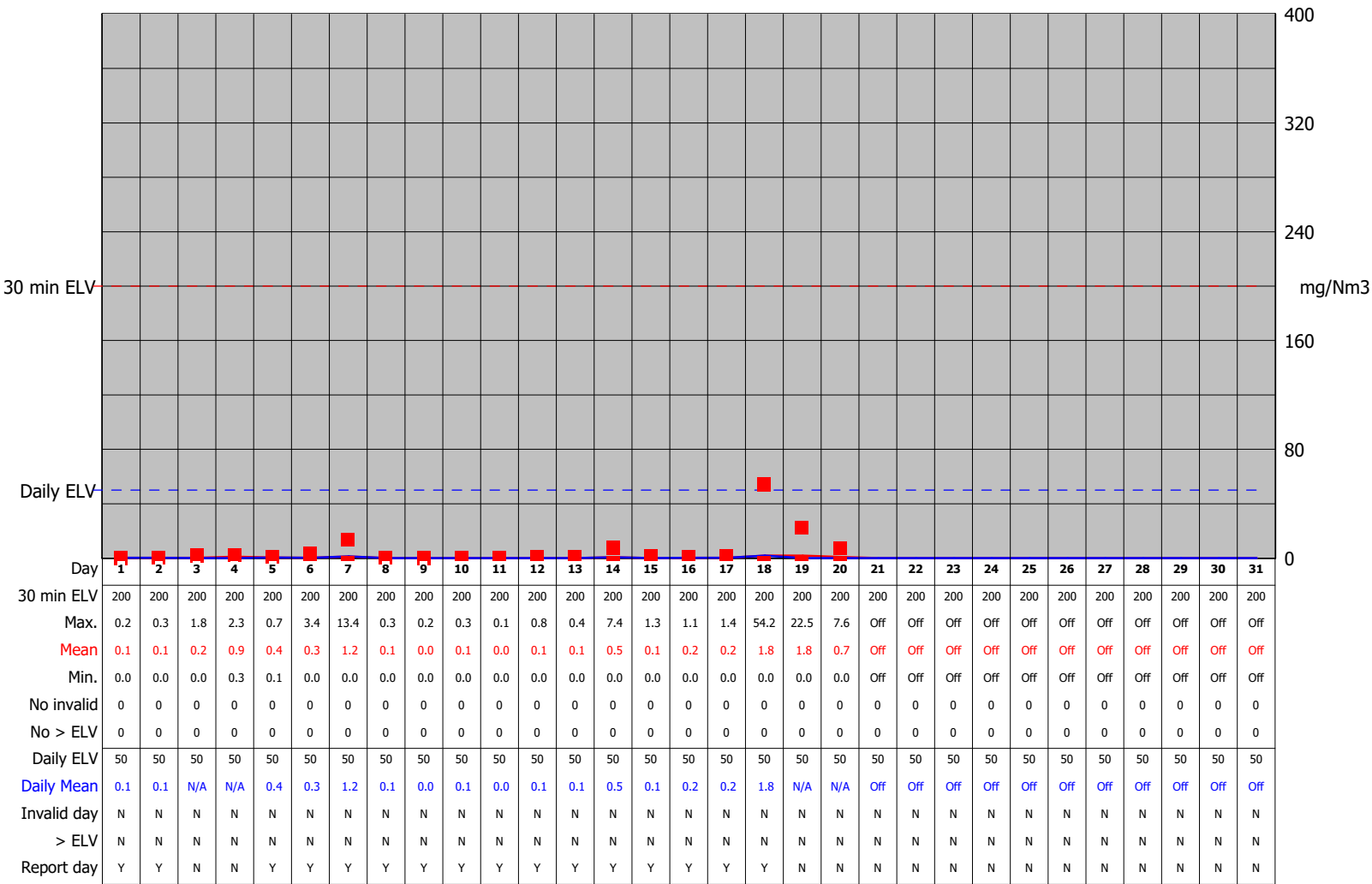
Min. 30 min average

Daily mean

97th Percentile = 2.8

No. of valid averages = 886

Month summary	
30 min ELV	
Monthly max.	54.2
Monthly mean	0.4
Monthly min.	0.0
Total invalid	0
Sum > ELV	0
Daily ELV	
Monthly max	1.8
No. invalid days	0
No. > ELV	0
No. report days	16



Data is as processed without repairs.

Signature

authorised to sign on behalf of the company

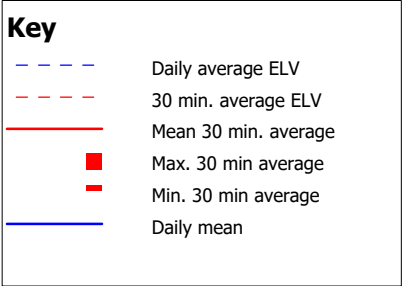
Date

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

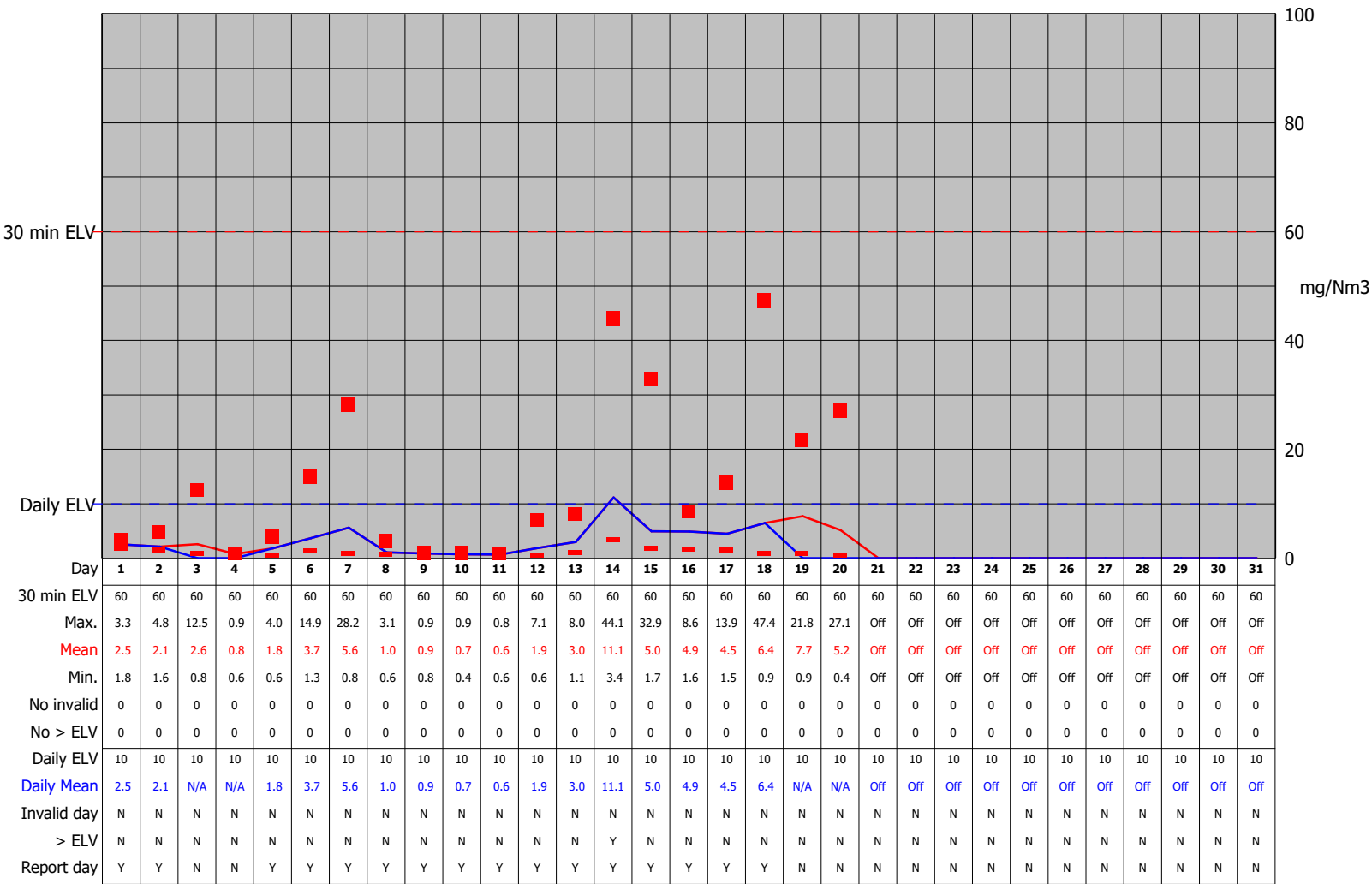
Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for HCl, Emission Point Report for December, 2019



97th Percentile = 14.9
No. of valid averages = 886

Month summary	
30 min ELV	
Monthly max.	47.4
Monthly mean	3.7
Monthly min.	0.4
Total invalid	0
Sum > ELV	0
Daily ELV	
Monthly max	11.1
No. invalid days	0
No. > ELV	1
No. report days	16



Data is as processed without repairs.

Signature _____
authorised to sign on behalf of the company

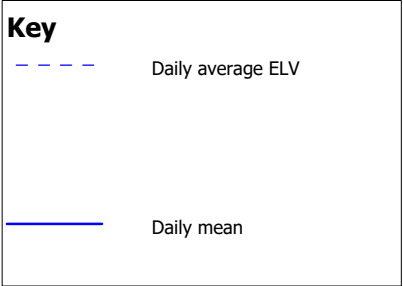
Date _____

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

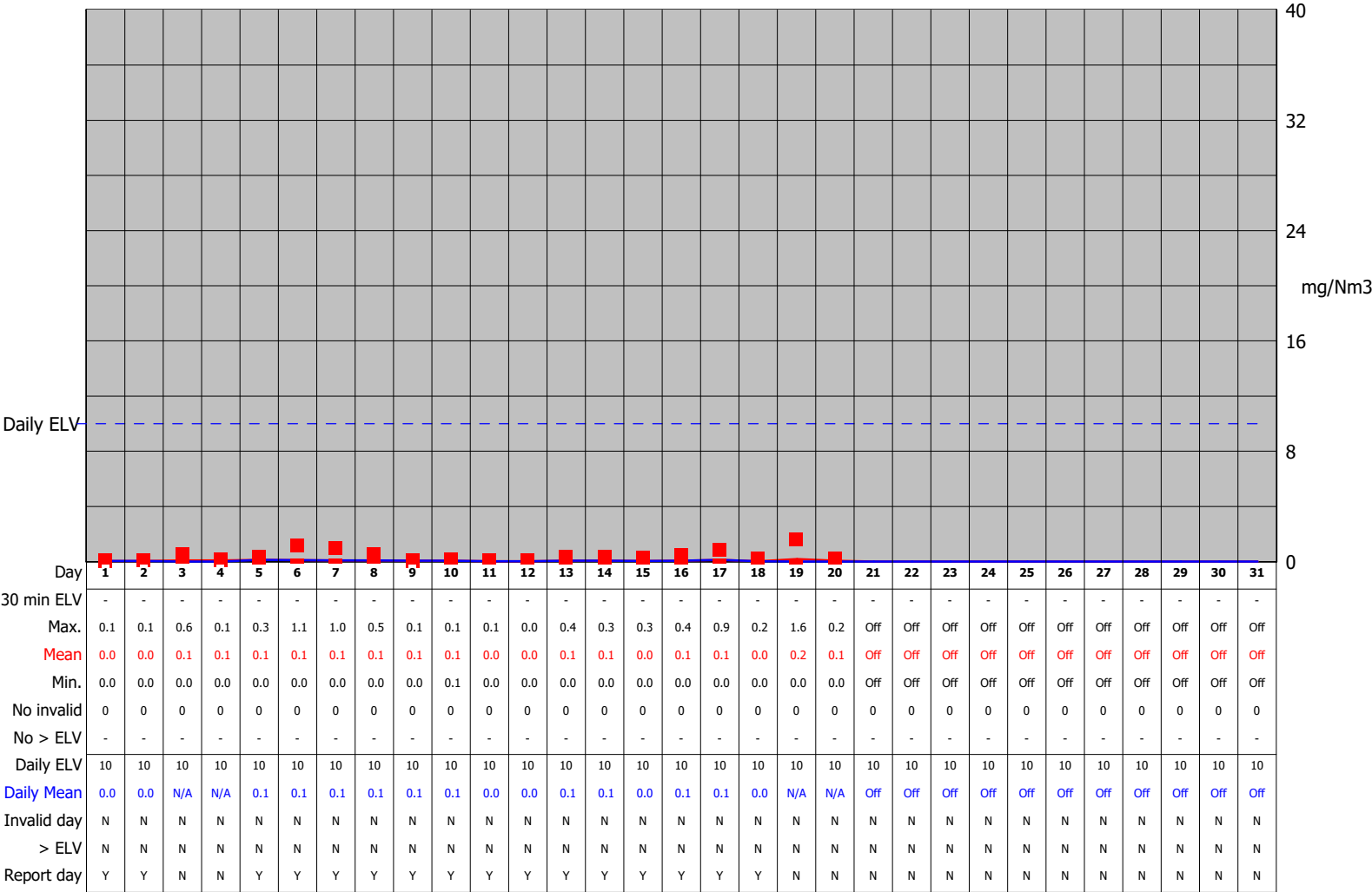
Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for NH₃ , Emission Point Report for December, 2019



97th Percentile = 0.3
No. of valid averages = 886

Month summary	
30 min ELV	
Monthly max.	1.6
Monthly mean	0.1
Monthly min.	0.0
Total invalid	0
Sum > ELV	0
Daily ELV	
Monthly max	0.1
No. invalid days	0
No. > ELV	0
No. report days	16



Data is as processed without repairs.

Signature _____
authorised to sign on behalf of the company

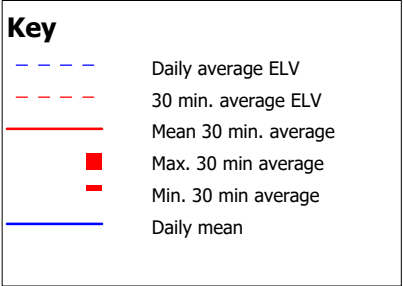
Date _____

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

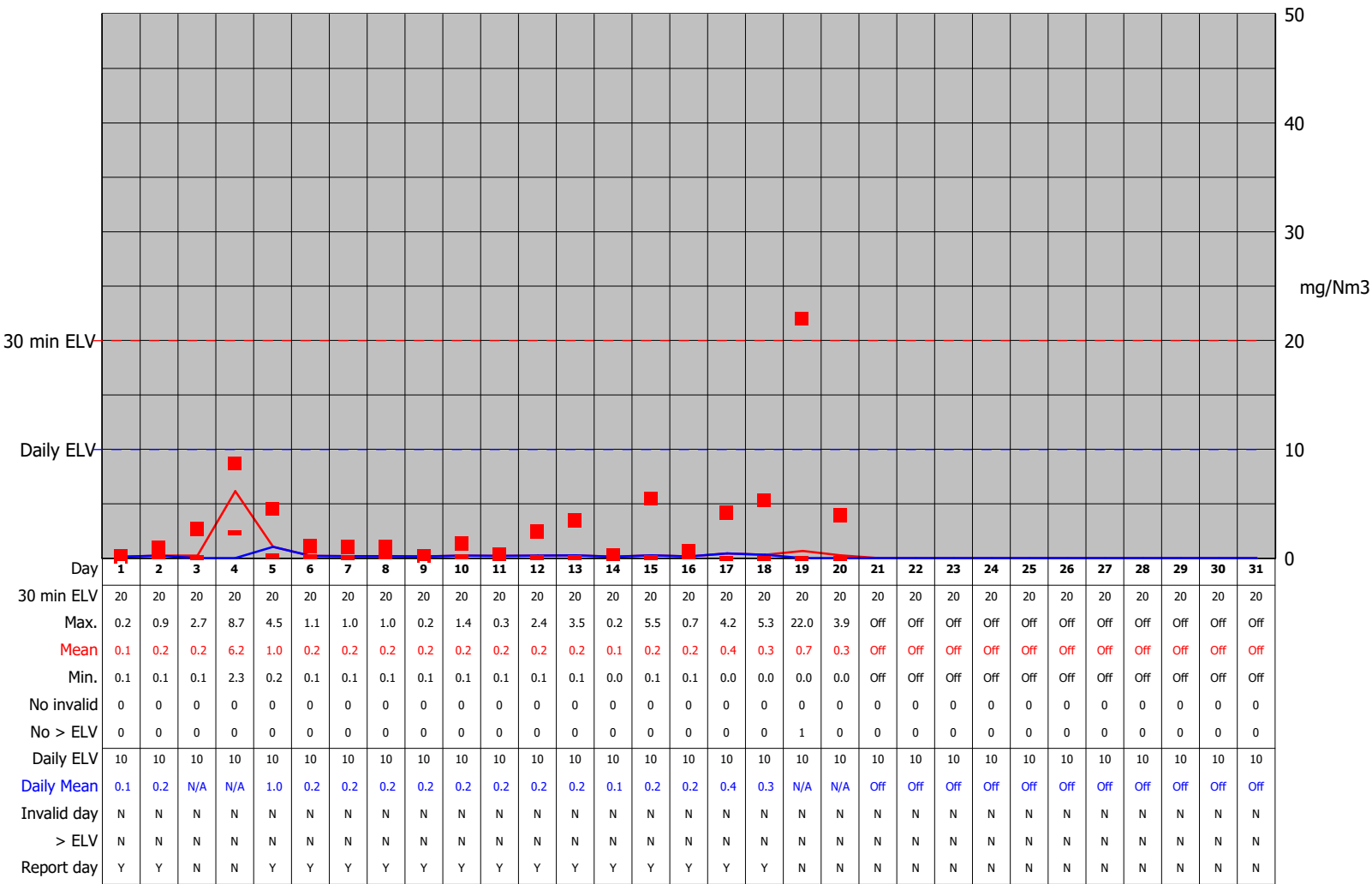
Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for TOC, Emission Point Report for December, 2019



97th Percentile = 2.4
No. of valid averages = 886

Month summary	
30 min ELV	
Monthly max.	22.0
Monthly mean	0.4
Monthly min.	0.0
Total invalid	0
Sum > ELV	1
Daily ELV	
Monthly max	1.0
No. invalid days	0
No. > ELV	0
No. report days	16



Data is as processed without repairs.

Signature _____
authorised to sign on behalf of the company

Date _____

Permit Number: EPR/NP3837NV

Operator: Energy Works (Hull) Limited

Facility: Hull Energy Works

Reporting of Continuously Monitored Emissions to Air for Dust, Emission Point Report for December, 2019

Key

Daily average ELV

30 min. average ELV

Mean 30 min. average

Max. 30 min average

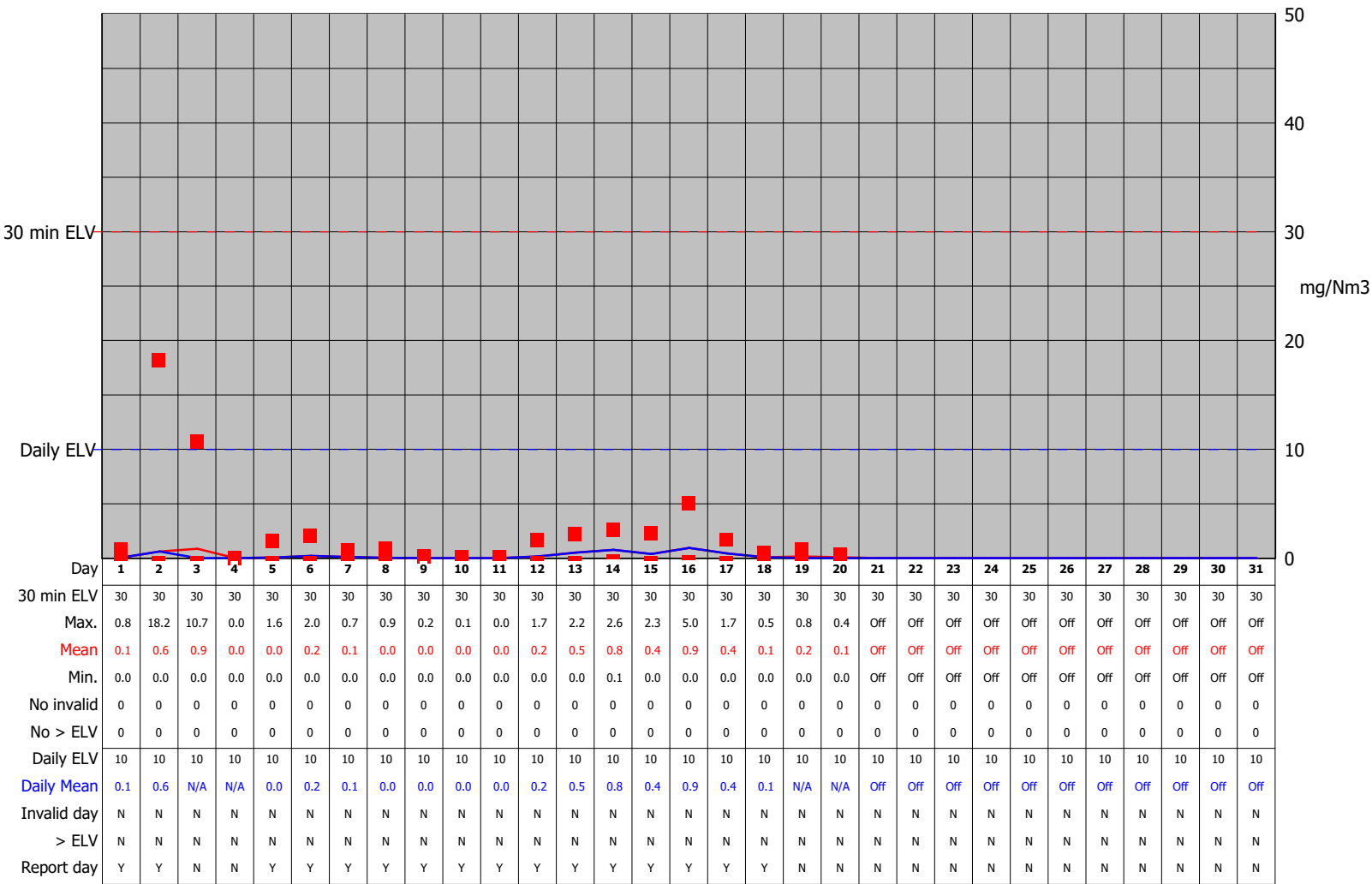
Min. 30 min average

Daily mean

97th Percentile = 1.8

No. of valid averages = 886

Month summary	
30 min ELV	
Monthly max.	18.2
Monthly mean	0.3
Monthly min.	0.0
Total invalid	0
Sum > ELV	0
Daily ELV	
Monthly max	0.9
No. invalid days	0
No. > ELV	0
No. report days	16



Data is as processed without repairs.

Signature

authorised to sign on behalf of the company

Date

Permit Number : EPR/NP3837NV

Operator : Energy Works (Hull) Limited

Facility : Hull Energy Works

Form Number : R1 / 01/07/2013

Reporting of Waste Disposal and Recovery for the year 2019

Waste Description	Disposal Route	Tonnes	Recovery Tonnes
1) Hazardous Wastes			
APC Residues	D09	279	
IBA which is classified as hazardous waste	D01	68	
Fly ash which is classified as hazardous	D09	138.5	
Total hazardous waste		485.5	
2) Non-Hazardous Wastes			
IBA	D09	205	
Fly ash			
Ferrous Metal		113.7	R04
Non-ferrous Metal		39.3	R04
Inert		709	R05
Fines		314	R12
Total non-hazardous waste		1,381.1	
TOTAL WASTE	-	1,866.5	

Operator's comments :

Signed
(authorised to sign as representative of Energy Works (Hull) Limited)

Date.....

Permit Number : EPR/NP3837NV

Operator : Energy Works (Hull) Limited

Facility : Hull Energy Works

Form Number : WU/RM1 / 01/07/2013

Reporting of Water and Other Raw Material Usage for the year 2019

Raw Material	Usage	Unit	Specific Usage	Unit
Mains water	7,031	m ³		m ³ /t
Urea		Tonnes		kg/t
Activated carbon		Tonnes		kg/t
Lime/hydrated lime		Tonnes		kg/t
Limestone		Tonnes		kg/t

Operator's comments :

Procedures for obtaining Urea, Activated Carbon, Hydrated Lime and Limestone material usage have now been implemented and will be recorded going forward.

Signed
(authorised to sign as representative of Energy Works (Hull) Limited)

Date.....

Permit Number : EPR/NP3837NV

Operator : Energy Works (Hull) Limited

Facility : Hull Energy Works

Form Number : Energy 1 / 01/07/2013

Reporting of Energy Usage/Export for the year 2019

Energy Source	Energy Usage	Unit	Primary Energy note 1 (MWh)
Electricity produced	8,436	MWh	
Electricity imported	5,095	MWh	
Electricity exported	7,258	MWh	
Gas Oil		tonnes	
Steam/hot water exported		MWh	

Note 1 Conversion factor for imported electricity to primary energy =

Operator's comments :

Signed
(authorised to sign as representative of Energy Works (Hull) Limited)

Date.....

Permit Number : EPR/NP3837NV

Operator : Energy Works (Hull) Limited

Facility : Hull Energy Works

Form Number : Residues 1 / 01/07/2013

Reporting of residue quality for the period from October 2019 to December 2019

Ash Composition (TOC/LOI)			
	LOI (%)	% Carbon (TOC) ^{w/w}	
Bottom Ash	*1.1	*0.12	

* At least one of LOI or TOC to be reported.

Ash Composition - Metals													
	Sb mg/kg	Cd mg/kg	Tl mg/kg	Hg mg/kg	Pb mg/kg	Cr mg/kg	Cu mg/kg	Mn mg/kg	Ni mg/kg	As mg/kg	Co mg/kg	V mg/kg	Zn mg/kg
Bottom ash	242.6	1.47	<0.1	<0.1	102.8	0.3	3183.64	87.6	84.13	7.14	8.63	14.9	1081.09
APC residues	274.10	16.30	<0.1	9.44	700.45	<0.1	2692.73	250	14.78	8.89	4.10	5.10	875.45
Fly ash	151.5	8.91	<0.1	0.11	356.73	0.2	2898.18	623	153.09	10.10	28.6	29	1220

Ash composition dioxins and dioxin-like PCBs					
	DIOXIN I-TEQ ng/kg	DIOXIN WHO-TEQ ng/kg			DIOXIN-LIKE PCBs ng/kg
		Humans / mammals	Birds	Fish	
Bottom ash		0.49	1.7	0.026	16.45
APC residues		40	49	1.6	254.16
Fly ash		7.6	11	0.33	40.75

Signed
(authorised to sign as representative of Energy Works (Hull) Limited)

Date.....

Note: Pb, Cu, Ni & Zn are an average of the results

Permit Number : EPR/NP3837NV

Operator : Energy Works (Hull) Limited

Facility : Hull Energy Works

Form Number : Residues 2 / 01/07/2013

Reporting of Ash Solubility for the period from October 2019 to December 2019

Ash solubility – total soluble fractions	
	Total soluble fraction %
Bottom ash	
APC residues	
Fly ash	

Ash Solubility - Metals													
	Sb mg/kg	Cd mg/kg	Tl mg/kg	Hg mg/kg	Pb mg/kg	Cr mg/kg	Cu mg/kg	Mn mg/kg	Ni mg/kg	As mg/kg	Co mg/kg	V mg/kg	Zn mg/kg
Bottom ash	0.0007	0.20	<0.1	0.0012	0.003	0.62	0.21	<0.02	<0.01	<0.01	<0.01	-	0.19
APC residues	<0.1	0.0005	0.01	0.27	59.36	0.01	8.32	0.02	0.01	<0.1	0.01	-	3.48
Fly ash	0.01	<0.00002	<0.01	<0.0003	2.97	2.78	0.12	<0.02	<0.01	<0.01	<0.01	-	0.92

Signed
(authorised to sign as representative of Energy Works (Hull) Limited)

Date.....

Note: Total Soluble Fraction not tested because ash not taken to new disposal site

Permit Number : EPR/NP3837NV

Operator : Energy Works (Hull) Limited

Facility : Hull Energy Works

Form Number : Performance 1 / 01/07/2013

Reporting of other performance indicators for the period 2019

Parameter	Result
Number of periods of abnormal operation	0
Cumulative hours of abnormal operation for this calendar year	0

Operator's comments :

Signed
(authorised to sign as representative of Energy Works (Hull) Limited)

Date.....