

Reporting of emissions to air for the period from 01/07/2014 to 30/09/2014

Operator: E.ON UK

Site Location: Connahs Quay

Permit/Variation Number: MP3337SH

Release Points: A11, A12



Release Point	Substance / Parameter	ELV (mg/m3)	Reference Period	Result (mg/m3)
A11	Oxides of Nitrogen (NO and NO2 expressed as NO2)	95	10 min average	92
A12	Oxides of Nitrogen (NO and NO2 expressed as NO2)	95	10 min average	87.2*
A11	Carbon Monoxide	10	10 min average	6
A12	Carbon Monoxide	100	10 min average	22.1*
A11	Sulphur dioxide	9950	10 min average	1912

*External monitoring completed by E.ON Engineering wk commencing 22nd July 2014

MONITORING RETURNS N. VAL'S

INITIALS DATE

CHECKED & AUTHORISATION

TRACKING

OK FOR PUBLIC RELEASE

77750 100 1000 100 1000 1000

Signed on behalf of the Operator

576 3.11.14
JB 24.10.14
SR 3.11.14
JB EDAM

Form Ref: Air - 1 / Connahs Quay PS (01/12/06)

Edwin S. Redkey, Attorney at Law

4-4-2002 12:44:42

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Releases to Air - LCPD/PPC Continuous Measurement

Operational Summary for the 3 months to 30/09/2014

Operator: E.ON UK

Site Locat

Release Points: A1, A2, A3, A4

Permit/Variation



Release Point	Pollutant	Month	ELV (mg/m3)	Max Daily Average	Calendar Monthly Mean
A1	NOx	July	75	44.75	39.62
A1	CO	July	30	1.30	1.18
A1	NOx	Aug	75	51.39	43.07
A1	CO	Aug	30	1.33	1.24
A1	NOx	Sep	75	52.93	43.39
A1	CO	Sep	30	1.70	1.39
A1	NOx	Annual	75		
A1	CO	Annual	30		
A2	NOx	July	75	-	-
A2	CO	July	30	-	-
A2	NOx	Aug	75	-	-
A2	CO	Aug	30	-	-
A2	NOx	Sep	75	-	-
A2	CO	Sep	30	-	-
A2	NOx	Annual	75		
A2	CO	Annual	30		
A3	NOx	July	75	33.21	29.21
A3	CO	July	30	1.5	1.15
A3	NOx	Aug	75	39.89	30.75
A3	CO	Aug	30	1.31	1.19
A3	NOx	Sep	75	47.3	34.79
A3	CO	Sep	30	1.47	1.26
A3	NOx	Annual	75		
A3	CO	Annual	30		
A4	NOx	July	75	28.38	26.76
A4	CO	July	30	3.54	1.4
A4	NOx	Aug	75	29.46	27.98
A4	CO	Aug	30	7.2	1.38
A4	NOx	Sep	75	28.63	26.94
A4	CO	Sep	30	8.37	2.60
A4	NOx	Annual	75		
A4	CO	Annual	30		

Notes - 1 Compliance with LCPD articles 4.1, 4.3 require measurement results for:

Nitrogen oxides (as NO2) to demonstrate that:



- i) none of the validated daily averages exceeds the ELV
- ii) 95% of all validated hourly averages do not exceed 150% of the ELV

Signed.....
(Authorised to sign as a representative of operator)

Date.....

Air - 2 LCPD (

ion: Connah's Quay

Number: MP3337SH

95% of validated hourly means
44.20
1.30
49.30
1.20
44.30
1.50
Due at end of year
Due at end of year
-
-
-
-
-
-
Due at end of year
Due at end of year
30.80
1.30
42.80
1.30
43.10
1.50
Due at end of year
Due at end of year
27.80
0.80
29.20
1.90
28.10
2.40
Due at end of year
Due at end of year

Continuous (01/12/06)

RECEIVED

23 OCT 2014

Permit Number : MP3337SH

Operator

Installation : Connahs Quay Power Station

Form Number : Water1 / ConnahsQuay PS (29/09/08)

Reporting of emissions to water (other than to sewer) for the period :

01/07/2014

To 30/09/2014

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
W1	Flow	2.5 m3/s	Instantaneous	2.45	Analyser	4 Aug 18:50:53 - 21:25:43	2.47%
W1	Temperature	25 C		24.2	Analyser	2 Sep 18:10:48 - 19:36:31	0.1c
W1	Temperature Difference April - October	13 C		7.2	Analyser	18 Sep 20:11:22 - 20:26:13	0.1c
W1	Temperature Difference November - March 95 percentile Maximum	13 C 20C		N/A	Analyser	N/A	N/A
W1	Salinity	60 g/l		50.3	Analyser	26 Aug 13:44:16 - 15:07:52	N/A
W1	pH Maximum	9		8.6	Analyser	21 Sep 11:47:43 - 13:14:45	0.01pH
W1	pH Minimum	6		6.5	Analyser	13 Aug 15:04:43 - 17:20:34	0.01pH
W1	Total Residual Oxidant (TRO) [5]	0.2 mg/l		N/A	Analyser	N/A	N/A
W1	Residual Chlorine Dioxide [6]			0.00304	Analyser	8 Sep 12:57:10 - 15:09:29	0.001 mg/m3
W1	Residual Chlorite Ion [6]	10 mg/l (absolute limit)		0.480476	Analyser	6 Jul 06:59:27 - 09:38:59	0.001 mg/m3
W1	Residual Chlorite Ion [6]	5 mg/l	Average	0.045307	Analyser	7 Jul 08:59:33 - 10:45:34	0.001 mg/m3
W1	Oil and Grease	20 mg/l	Instantaneous	11.7	Analyser	25 Sep 13:52:02 - 14:35:37	0.01 mg/m3

Signed

(Authorised to sign as representative of Operator)

Date

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Installation : Connahs Quay Power Station

Form Number : Water1 / ConnahsQuay PS (29/09/08)

Reporting of emissions to water (other than to sewer) for the period :

01/07/2014

To

30/09/2014

Emission Point	Substance / Parameter	Emission Limit Value	Reference Period	Result	Test Method	Sample Date and Times	Uncertainty
W2	pH Maximum	9	Instantaneous	8.01	Analyser	20-Aug-14	0.01pH
W2	pH Minimum	6	Instantaneous	6.94	Analyser	03-Aug-14	0.01pH
W2	Oil and Grease	20 mg/l	Instantaneous	None	Analyser	N/A	N/A
W2	Residual Chlorine Dioxide [6]		Instantaneous	0.879807	Analyser	22-Sep-14	0.001 mg/m3

Signed

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(Authorised to sign as representative of Operator)

Date

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RELEASES TO AIR
LCPD REPORTING- Continuous measurement systems invalidations log

Operational

Operator: E.ON UK PLC

Location: Connah's Quay Power Station

Permit/Variation number:

Release Point: A1

Emissions to Air – Invalidation Log

Date	Period of invalidation (hours)	Cumulative invalidated days in year	Comments
31/03/2014	0	0	N/A
30/04/2014	0	0	N/A
30/09/2014	1	0	Replacement of CO Sensor

Signed.....

Date.....

Form: Air 3 – Continuous measurement invalidation log (01/12/06)

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RELEASES TO AIR

LCPD REPORTING- Continuous measurement systems invalidations log

Operational

Operator: E.ON UK PLC

Location: Connah's Quay Power Station

Permit/Variation number:

Release Point: A2

Emissions to Air – Invalidation Log

Date	Period of invalidation (hours)	Cumulative invalidated days in year	Comments
31/03/2014	0	0	N/A
30/04/2014	0	0	N/A
30/09/2014	0	0	N/A

Signed.....

Date.....

Form: Air 3 – Continuous measurement invalidation log (01/12/06)

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RELEASES TO AIR
LCPD REPORTING- Continuous measurement systems invalidations log

Operational

Operator: E.ON UK PLC

Location: Connah's Quay Power Station

Permit/Variation number:

Release Point: A3

Emissions to Air – Invalidation Log

Date	Period of invalidation (hours)	Cumulative invalidated days in year	Comments
31/03/2014	0	0	N/A
30/04/2014	0	0	N/A
30/09/2014	3	0	Replacement of O ₂ sensors

Signed.....

Date.....



RELEASES TO AIR
LCPD REPORTING- Continuous measurement systems invalidations log

Operational

Operator: E.ON UK PLC

Location: Connah's Quay Power Station

Permit/Variation number:

Release Point: A4

Emissions to Air – Invalidation Log

Date	Period of invalidation (hours)	Cumulative invalidated days in year	Comments
31/03/2014	0	0	N/A
30/04/2014	0	0	N/A
30/09/2014	0	0	N/A

Signed.....

Date.....

Form: Air 3 – Continuous measurement invalidation log (01/12/06)

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