

MONTHLY EMISSIONS REPORT FOR CAMDEN POWER STATION
 Atmospheric Emission License CPS/0012/2015/F02
 REPORTING MONTH September-2018

1 PARTICULATE EMISSIONS

EMISSION LIMIT: 100 mg/Nm³

2 GASEOUS EMISSIONS

EMISSION LIMIT:

NO_x 1300 mg/Nm³

SO₂ 3500 mg/Nm³

3 RAW MATERIALS AND PRODUCTS

Raw Materials and Products used	Raw Material Type	Units	Maximum Permitted Consumption/ Rate (Quantity)	Consumption/ Rate in Month of September-2018
	Coal	Tons/month	550 000	372 372.90
	Fuel Oil	Tons/month	5 000	3 543.66
Production Rates	Product/ By-Product Name	Unit	Maximum Production Capacity Permitted (Quantity)	Production Rate in Month of September-2018
	Energy	GWh	1600	601.13
	Ash	Tons/month	not specified	109 031
	RE PM	kg/MWh	not specified	0.755

4 ABATEMENT TECHNOLOGY

Associated Unit/Stack	Technology Type	Actual Utilisation (%) for the month of September-2018
Unit 1	FFP	99.5%
Unit 2	FFP	99.62%
Unit 3	FFP	99.11%
Unit 4	FFP	98.88%
Unit 5	FFP	99.89%
Unit 6	FFP	99.88%
Unit 7	FFP	100.00%
Unit 8	FFP	99.86%

5 ENERGY SOURCE CHARACTERISTICS

Characteristic	Units	Stipulated Range	Monthly Average Content
CV Content	MJ/kg	19.56	
Sulphur Content	%	< 2	0.90
Ash Content	%	25 to 35	29.28

6 EMISSION PERFORMANCE

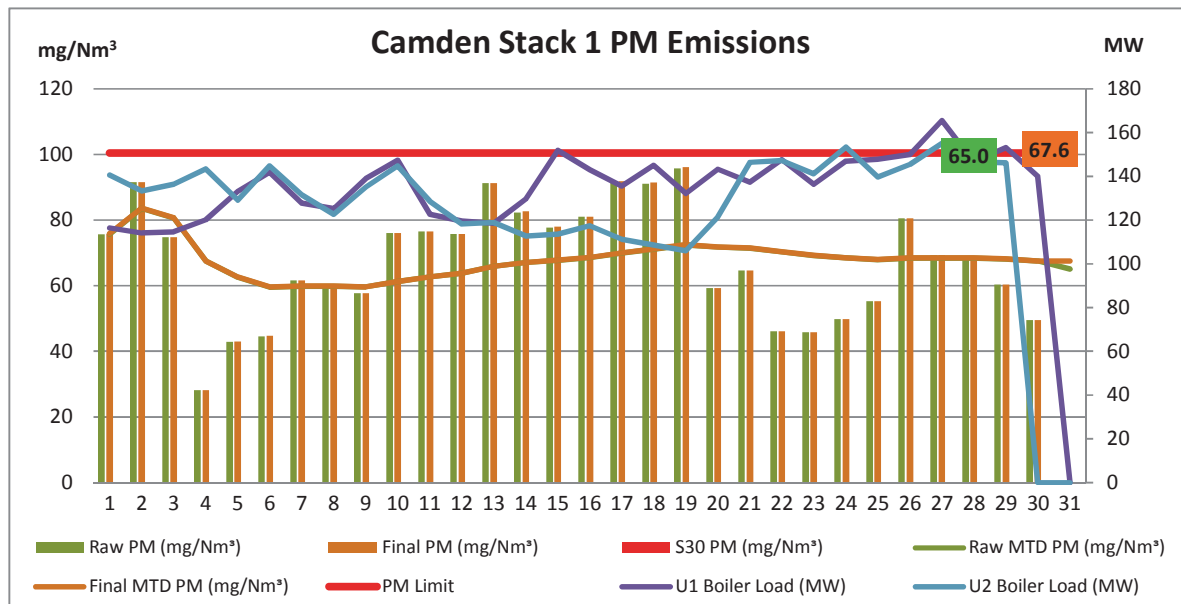


Fig.1: PM emissions (daily averages) for the month of September-2018 against emission limit Stack 1

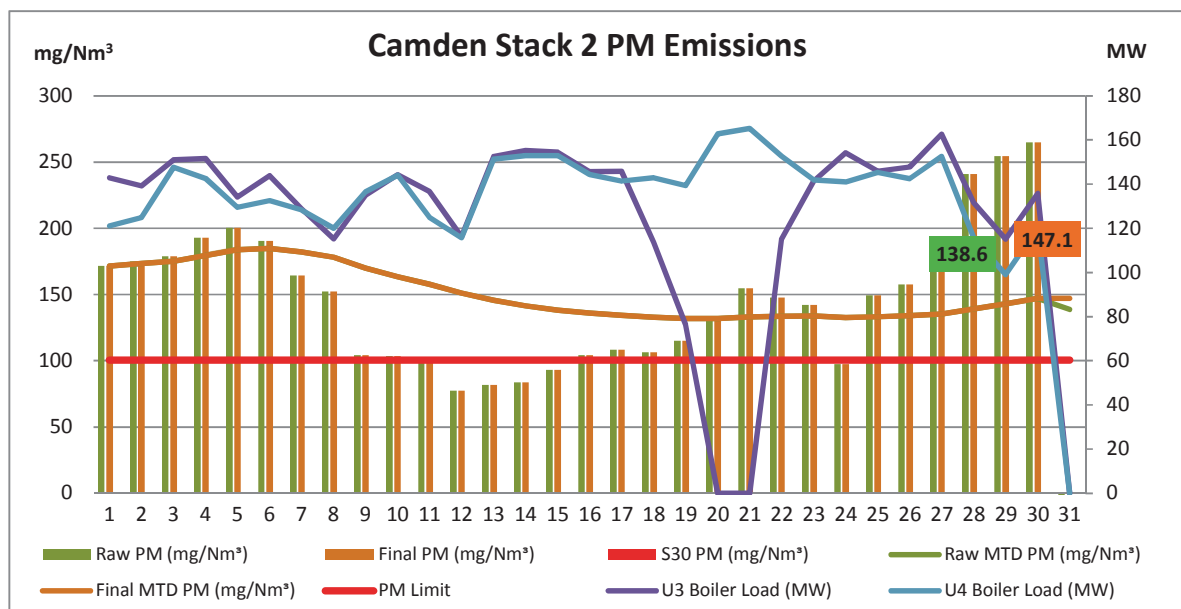


Fig.2: PM emissions (daily averages) for the month of September-2018 against emission limit for Stack 2

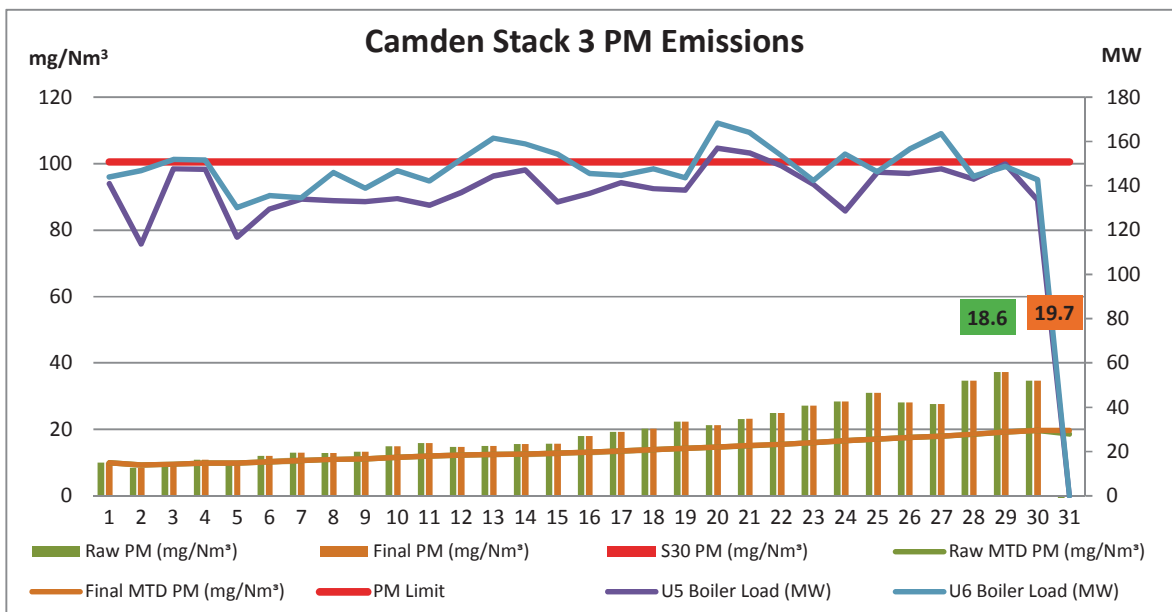


Fig.3: PM emissions (daily averages) for the month of September-2018 against emission limit for Stack 3

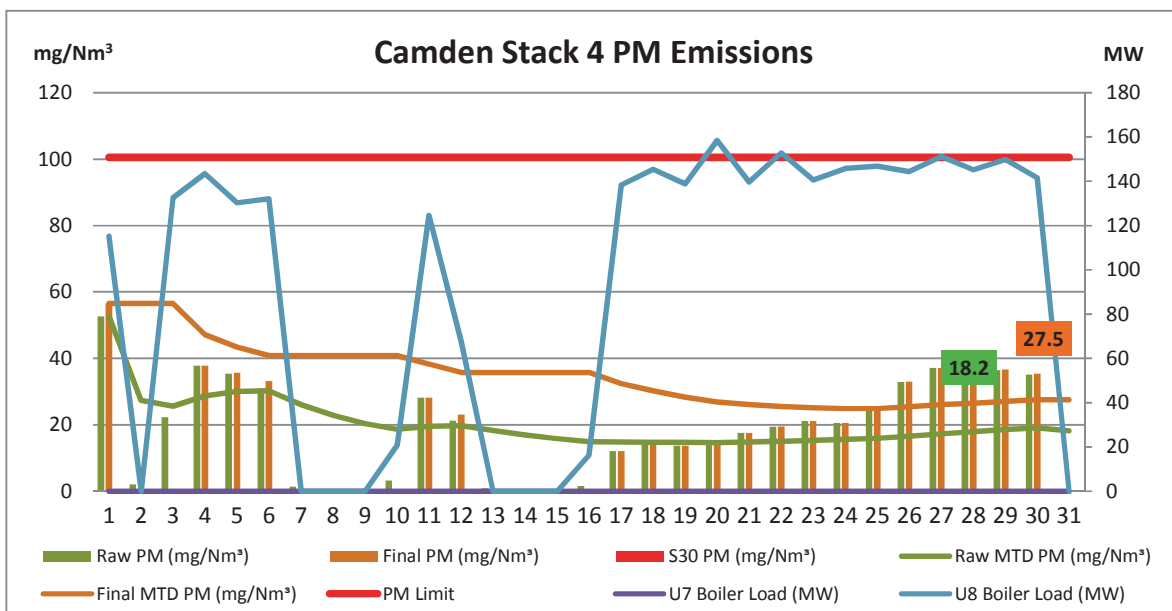


Fig.4: PM emissions (daily averages) for the month of September-2018 against emission limit for Stack 4

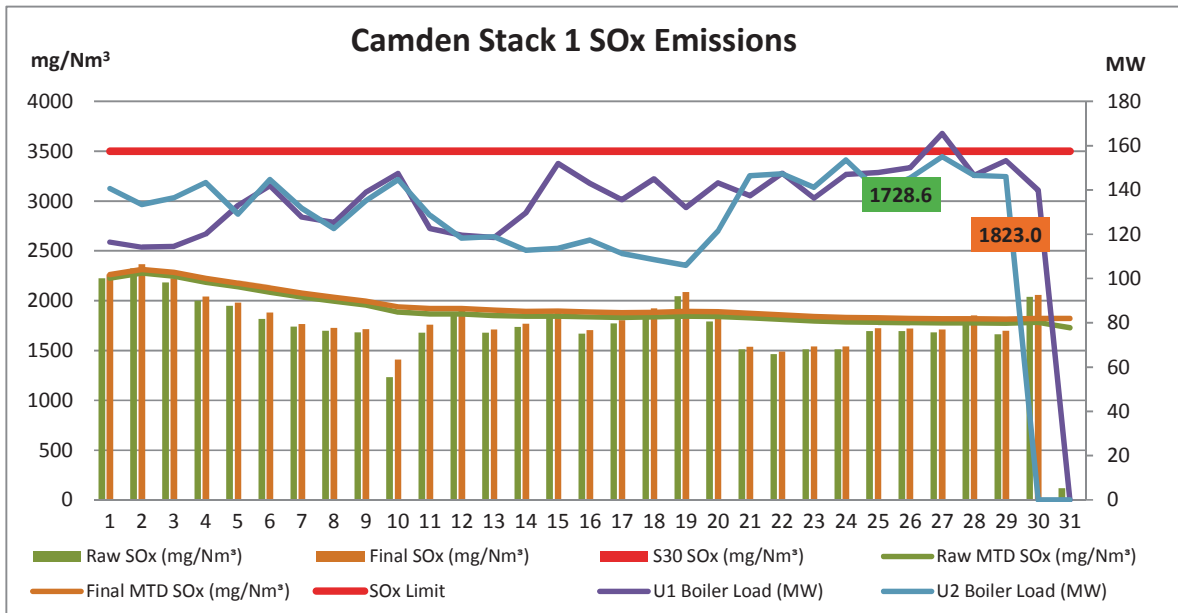


Fig.5: SO₂ emissions (daily averages) for the month of September-2018 against emission limit for Stack 1

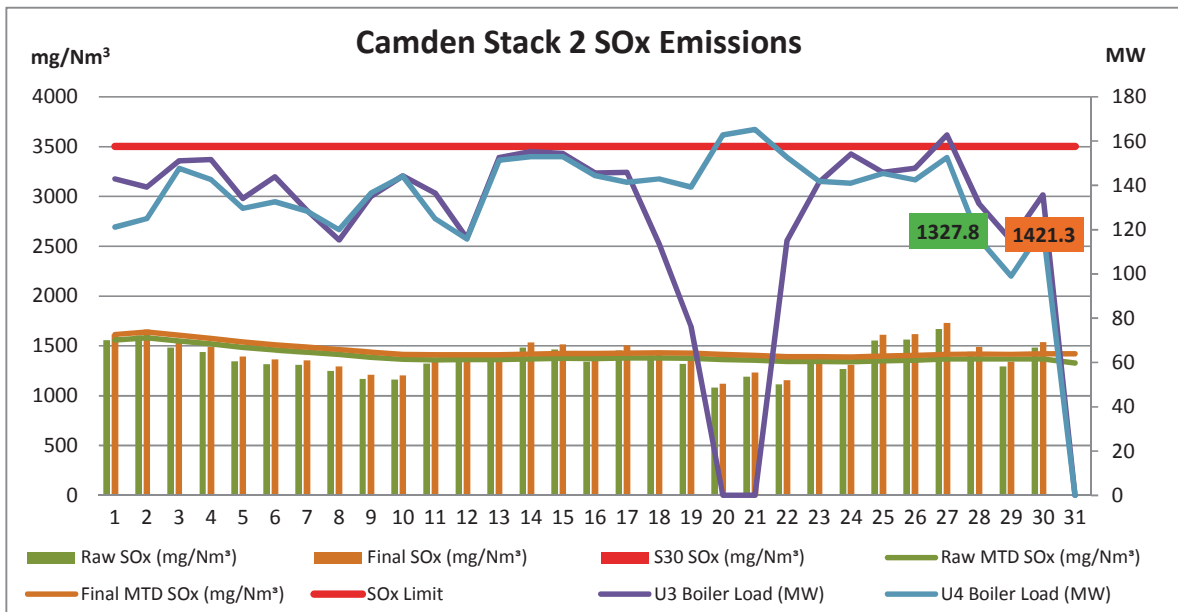


Fig.6: SO₂ emissions (daily averages) for the month of September-2018 against emission limit for Stack 2

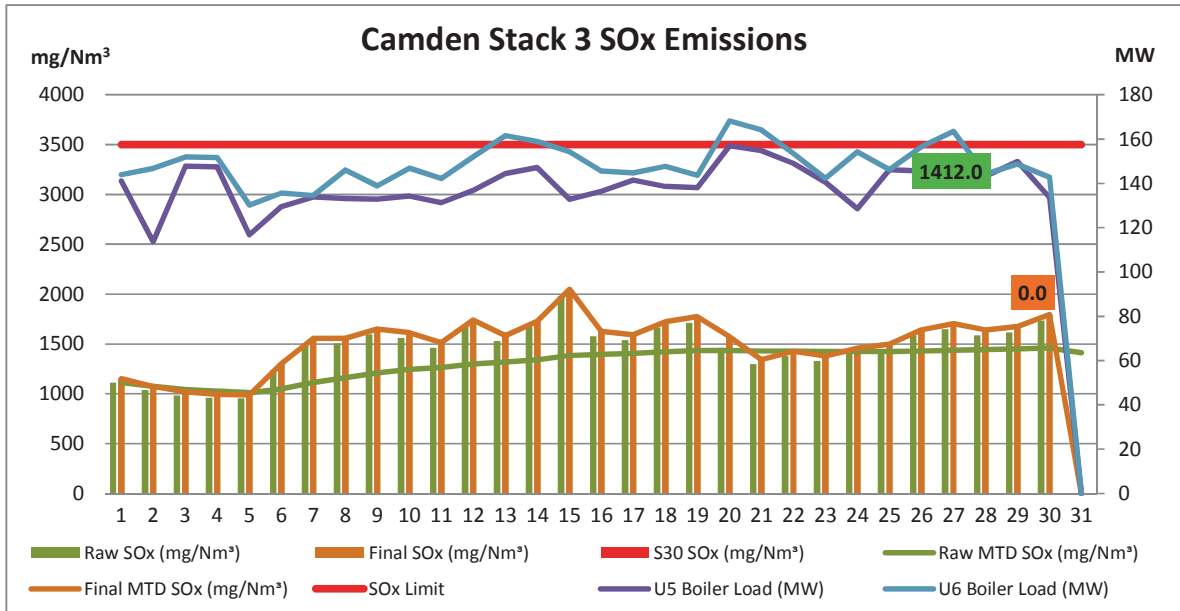


Fig.7: SO₂ emissions (daily averages) for the month of September-2018 against emission limit for Stack 3

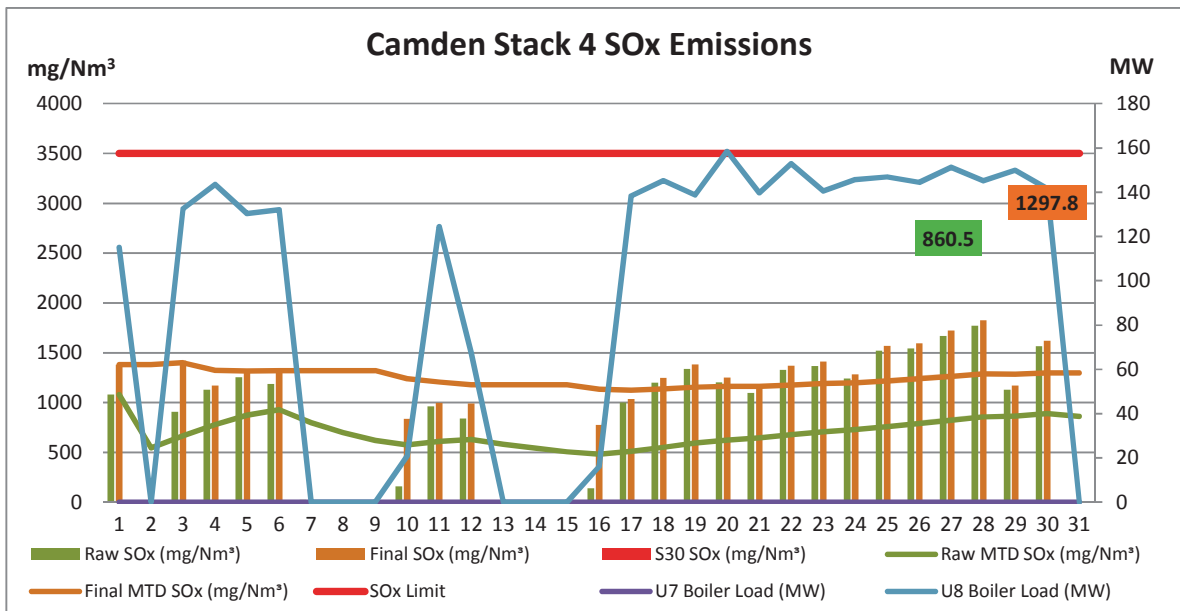


Fig.8: SO₂ emissions (daily averages) for the month of September-2018 against emission limit for Stack 4

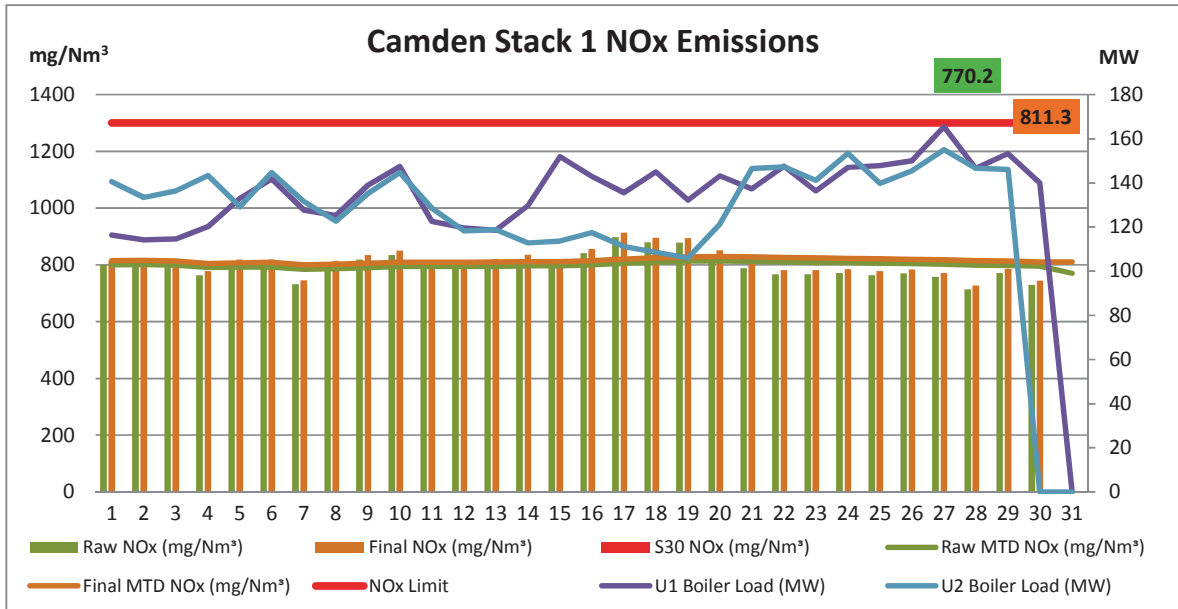


Fig.9: NO₂ emissions (daily averages) for the month of September-2018 against emission limit for Stack 1

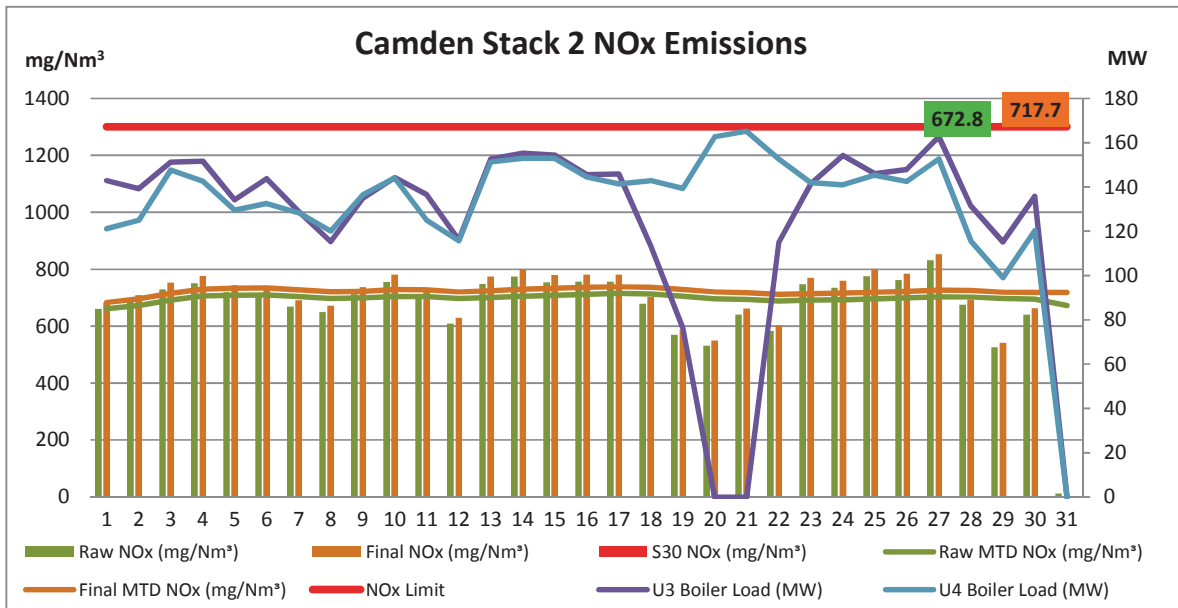


Fig.10: NO₂ emissions (daily averages) for the month of September-2018 against emission limit for Stack 2

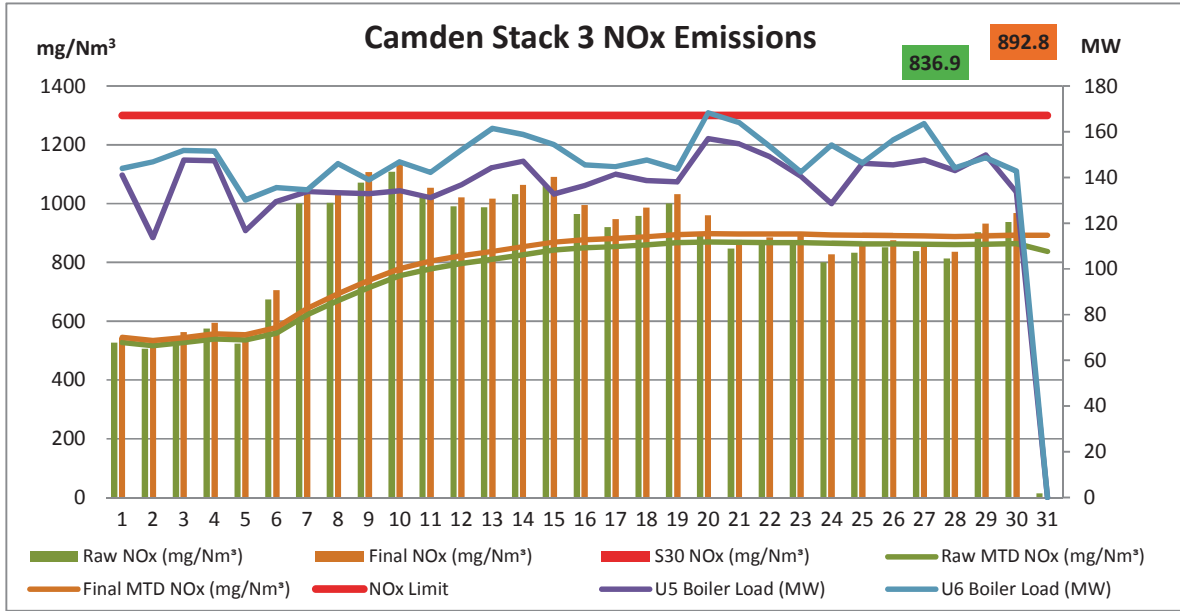


Fig.11: NO₂ emissions (daily averages) for the month of September-2018 against emission limit for Stack 3

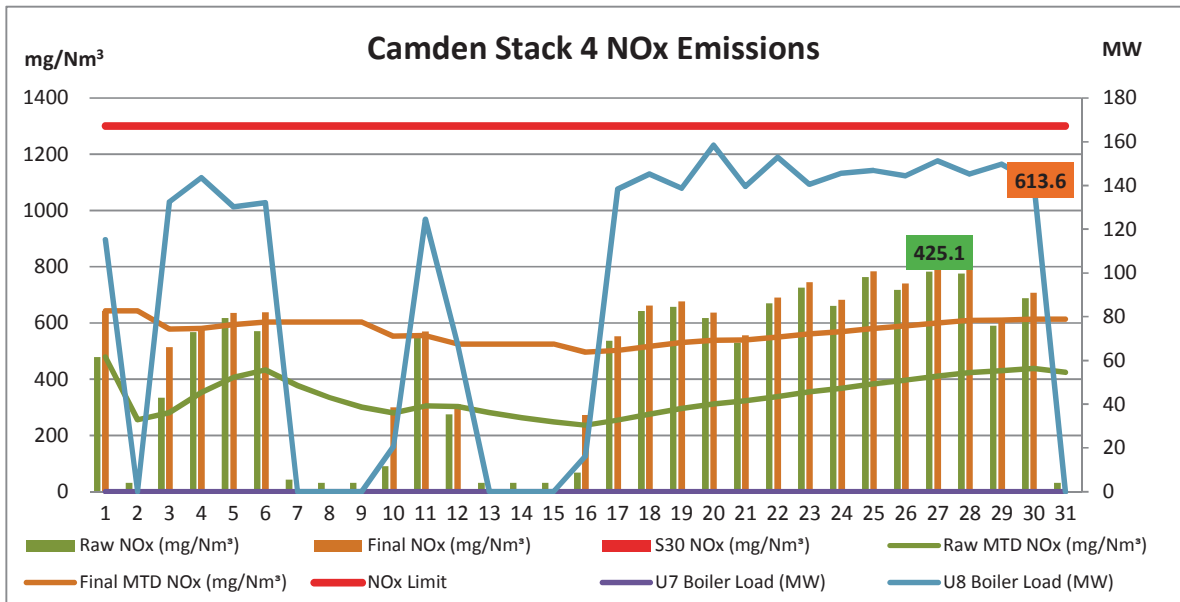


Fig.12: NO₂ emissions (daily averages) for the month of September-2018 against emission limit for Stack 4

Table 4: Monthly tonnages for the month of September-2018

Unit	PM (tons)	SO ₂ (tons)	NO ₂ (tons)	CO ₂ (tons)
1	57.2	1 538	687	
2	52.6	1 465	657	
3	128.4	1 316	668	
4	163.9	1 642	830	
5	16.9	1 286	760	
6	20.6	1 578	932	
7	0.0	0	0	
8	14.4	812	392	
SUM	454.0	9 636	4 926	

Table 5: Operating Days per Unit - Normal, Grace Period & Section 30

Unit	Operating Days (DD:HH:MM)			
	Normal operation	In grace period	Under S 30	Unit off load
1	30:00:00	00:00:00	00:00:00	00:00:00
2	28:19:30	00:00:00	00:00:00	01:04:30
3	27:08:20	00:00:00	00:00:00	02:15:40
4	29:12:00	00:00:00	00:00:00	00:12:00
5	30:00:00	00:00:00	00:00:00	00:00:00
6	30:00:00	00:00:00	00:00:00	00:00:00
7	00:00:00	00:00:00	00:00:00	30:00:00
8	20:21:45	00:00:00	00:00:00	09:02:15

7 EMERGENCY GENERATION

Table 8. Emergency Generation per unit for the month of September-2018

	Stack 1	Stack 2	Stack 3	Stack 4
Emergency Generation hours declared by national Control				
Emergency Hours declared including hours after stand down				
Hours over the Limit during Emergency Generation	0	0	0	0

8 COMPLAINTS REGISTER

Table 9. Complaints for the month of September-2018

Source Code/ Name	Root Cause Analysis	Measures implemented to prevent reoccurrence	Date by which measure will be implemented
No Complaints were received for September 2018			

9 GENERAL/ABNORMALITIES

Unit 1:

None

Unit 2:

None

Unit 3:

None

Unit 4:

None

Unit 5:

None

Unit 6:

None

Unit 7:

offline

Unit 8:

None

Please note that
stack 2 issues as
reported previously
still exists.

For: Department of Environmental Affairs and Tourism CAPCO

Copies: Eskom Environmental Management

Group Technology Engineering

Camden Power Station:

Engineering
Manager
Operating Manager
Maintenance
Manager
Production
Managers
Boiler Eng Manager
Environmental
Manager
Environmental
Officers