



Mr. Vusi Mahlangu
Nkangala District Municipality

Address: PO Box 437
Middleburg
1050

Date:

Jan 2019

Enquiries:

Ref: *Kusile Power Station AEL (17/4/AEL/MP312/11/12)*

Dear Mr. Mahlangu

KUSILE POWER STATION'S MONTHLY EMISSIONS REPORT FOR DEC 2018

This serves as the monthly report required in terms of Section 7.6 in Kusile Power Station's Provisional Atmospheric Emission License: 17/4/AEL/MP311/12/01. Please take note that Unit 01 is on GI (general inspection) outage since 13 Nov 2018, emissions performance will continue upon Unit 01 return to service.

Hoping the above will meet your satisfaction.

Yours sincerely

ACTING GENERAL MANAGER: KUSILE POWER STATION
DATE: 17/01/2018

KUSILE POWER STATION'S MONTHLY EMISSIONS REPORT FOR DECEMBER 2018

Compiled by:

Senior Environmental Advisor

Date: 15/01/2019

Checked by:

Process Engineer

Date: 17/01/2019

Supported by;

PJFFP System Engineer

Date: 16/01/2019

Verified by:

Environmental Management Manager

Date: 17/01/2019

Validated by:

Boiler Engineering Manger

Date: 16/01/2019

1. Raw Materials and Products

| Raw Materials and Products used | Raw Material Type | Units | Maximum Permitted Consumption/ Rate (Quantity/month) | Consumption/ Rate in Month of December-2018 |
|---------------------------------|--------------------------|------------|--|---|
| | Coal | Tons/month | 1818 083 | 0 |
| | Fuel Oil | Tons/month | 5 533 | 764.9 |
| | Limestone | Tons/month | 72917 | 0 |
| Production Rates | Product/ By-Product Name | Unit | Maximum Production Capacity Permitted (Quantity/) | Production Rate in Month of December-2018 |
| | Energy | GWh | 3214.08 | 0 |
| | Ash | Tons/month | 663 583 | 0 |
| | Gypsum | Tons/month | 129 250 | 0 |
| | RE PM | kg/MWh | not specified | 0 |
| | RE SOx | kg/MWh | not specified | 0 |

2. Energy Source Characteristics

| Characteristic | Stipulated Range (Unit) | Monthly Average Content |
|------------------|-------------------------|-------------------------|
| Coal CV | not specified | |
| Coal Sulphur | 1.3 (%) | 0 |
| Ash in Coal | 38 (%) | 0 |
| Fuel Oil (FO) CV | not specified | |
| Fuel Oil Sulphur | 3 (%) | 2.678 |
| Ash in FO | 0.02 (%) | 0.020 |

3. Emission Performance

Please take note that Unit 01 is on GI (General inspection) outage since 13 Nov 2018. Emission performance reporting will continue upon Unit 01 returning to service.

4. Complaints

No complaints received during the month of December 2018