

Technical Tour 1: 4 October 2019, 07:00 – 15:00

Kusile Power Station, Witbank

Cost: R1250.00 per person departing Misty Hills



Travel from Misty Hills to the Kusile Power Station. Kusile is a coal-fired power station close to the existing Kendal Power Station in the NKANGALA DISTRICT of the Mpumalanga Province. After, safety induction and receiving your personal protective equipment(excluding safety shoes), the tour will commence. Lunch will be provided at the station. Return to Misty Hills

Kusile Power Station

Kusile is a coal-fired power station close to the existing Kendal Power Station in the NKANGALA DISTRICT of the Mpumalanga Province. The Kusile site is about 1 355 hectares in size, and is located on the Hartbeesfontein and Klipfontein farms. Kusile is the most advanced coal-fired power plant project in Eskom after Medupi power station in Lephalale where construction commenced in 2007.

The station consists of six units each rated at approximately 800 MW installed capacity giving a total of 4800 MW. As such it is one of the largest coal-fired power stations in the world.

The power station is coal fired, with the coal supplied by Anglo Coal (New Largo and Zondagfontein collieries). The combination of the resources is expected to yield not less than 800 million sales tons over a period of not less than 47 years.

Kusile is the first power station in South Africa to have Flue Gas Desulphurization (FGD) installed. FGD is the current state-of-the art technology used to remove oxides of sulphur (SO_x), e.g. sulphur dioxide (SO₂), from the exhaust flue gases in power plants that burn coal or oil. This technology is fitted as an atmospheric emission abatement technology, in line with current international practice, to ensure compliance with air quality standards, especially since the power station is located in a priority airshed. The FGD Plant is a totally integrated chemical plant using limestone as feedstock and producing gypsum as a by-product. Gypsum is used in the manufacture of dry walls and ceilings.



PROGRAMME

Date, Time	Activity
Friday 4 October 2019	
07:00	Assemble at Misty Hills hotel reception
07:15	Bus departs Misty Hills hotel reception
07:15 – 08:50	Travel from Misty Hills Hotel to Kusile Power Station
08:50 – 09:20	Arrival, Sign in and Safety & Security briefing
09:20 – 09:30	Welcoming and Opening (Eskom host)
09:30 – 09:50	Induction and Evacuation Procedure
09:50 – 10:00	Visit objectives (CIGRE lead)
10:00 – 10:45	Overview Presentation on Kusile Power Station Project
10:45 – 11:05	Q's and A's
11:05 – 12:05	Technical Tour in the Plant
12:05 – 12:35	Lunch
12:35 – 12:45	Closing remarks
12:45 - 13:00	Assembles at the parking area for depart
13:00 - 15:00	Returning to Misty Hills

General

- All participants will need to submit a copy of their passport/ID to register for the technical tour.
- All participants will be required to carry a visitor pass and adhere to visitor restrictions and access limitations throughout the tour.
- Safety Equipment will be provided, but participants should wear closed shoes – no sandals or heels. Participants are also required to wear long pants, no shorts and skirts are allowed.
- Bookings can be made via the registration
- The technical tour is limited to 30 participants.

Secretariat

Anelja de Bok
Email: anelja@activecapture.co.za