



Mogale City

Local Municipality

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Reference: M Blankestijn

29 February 2016

Att. Kevin Risi

Live Line Technology
51 Connie Street
Adamayview
KLERKSDORP

ARRESTORS WITH LIVE LINE CAPABILITIES: LLT-A12KC

Your request of 25 February 2016 has reference. This letter serves as an informative for the performance of above mentioned Arrestors.

BACKGROUND

Mogale City Local Municipality Energy Department installed approximately 96 Arrestors since December 2009.

The Arrestors were installed on the Line side of Transformers and where a cable change to an overhead line (Impedance change). There are approximately 50 pole Transformers installed in Mogale City Local Municipality distribution area (Krugersdorp), rating between 25 kVA and 300 kVA,.

The voltages of the Electrical network where the Arrestors was installed are 11kV and 6.6kV

PERFORMANCE

The total number of Arrestors that need to be replaced due to Arrestor failure was 3. No shutdown was required to replace the Arrestors.

One Transformer was lost during an intense lightning storm. At this stage it is still not proven that the Transformer failed due to a lightning strike or other internal failure.

Yours faithfully

M Blankestijn
SPECIALIST
HIGH VOLTAGE DISTRIBUTION