

**ENVIRONMENTAL COMPLIANCE
QUATERLY REPORT # 2**
July 2015

**PROJECT: MOORREESBURG-VYEVLEI
66KV POWERLINE AND SUBSTATION**

DEA REF NO.: 12/12/20/1825

FOR SUBMISSION TO THE DEPARTMENT
OF ENVIRONMENTAL AFFAIRS,
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Powerline And Substation

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1. Project Background

An Environmental Authorisation (EA) was issued to Eskom Holdings SOC Ltd (Eskom) on 29 November 2010 by the Department of Environmental Affairs (DEA) for the construction of the Moorreesburg-Vyevlei 66kV Powerline and Substation, between the towns of Malmesbury and Moorreesburg in the Swartland Local Municipality in the Western Cape. The project involves the construction of the following:

- a) Construction of a 66kV powerline (approximately 30km) from Moorreesburg substation towards Vyevlei substation;
- b) Construction of a 66kV feeder bay at Moorreesburg substation to cater for the Vyevlei substation;
- c) Construction of a Vyevlei 1x10MVA 66/11kV step-down substation consisting of 1x66kV feeder bay and 2x11kV feeder bays (Vyevlei F1 and F2);
- d) Construction of access route to the substation site for construction and maintenance purposes.

As per condition 19 in the EA Eskom appointed a qualified Environmental Control Officer (ECO) for the construction phase of the development that will have the responsibility to ensure that the mitigation / rehabilitation measures and recommendations referred to in the EA are implemented and to ensure compliance with the provisions in the Environmental Management Plan (EMP).

As per the EMP, the ECO will undertake regular inspections of the Contractor's site as well as the construction works in order to check for compliance with the EMP in terms of the specifications. The ECO also has the responsibility of submitting quarterly environmental compliance reports to the DEA for the duration of the construction period.

2. Site audits and observations

This quarterly report is based on audits that were conducted from 11 March 2015 to June 2015. Four Contractors are involved with construction activities, namely:

- a) Eskom's Major Engineering Works (MEW) responsible for line construction of towers 58 – 113 (Vyevlei Substation terminal structure) and new feeder bays in the existing Moorreesburg Substation;
- b) Roshcon Holdings SOC Ltd responsible for line construction of towers 57 – 1 (Moorreesburg Substation gantry);
- c) Adenco Construction PTY (LTD) responsible for the construction of the new Vyevlei Substation.
- d) AFL and OptiPower Projects responsible for installation of optic ground wire (OPGW) on the new line;
- e) ACTOM assembles and tests transformers in the Vyevlei Substation.

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The latest compliance statuses for the contractors are:

- a) Eskom's Major Engineering Works (MEW): **100%** for April 2015. They moved off site end of April 2015.
- b) Roshcon Holdings SOC Ltd: **100%** in June 2015. Moved last items off site end of June 2015.
- c) Adenco Construction PTY (LTD): **100%** in June 2015
- d) OptiPower and AFL: **97%** in June 2015

ACTOM assembles and tests the transformers on site as and when they are available since they travel from Gauteng.

Compliance checklists for the EA and EMP can be found in Addenda B1 and B2, respectively.

3. Status of Construction

Line construction has been completed and the line was energised on 30 June 2015.

Therefore, Major Engineering Works (MEW) and Roshcon Holdings SOC Ltd have de-established their camp sites and have moved off site.

AFL and OptiPower Projects finished installing the OPGW and bird diverters on the line on 29 June 2015.

Adenco Construction PTY (LTD) is still busy with the Vyevlei Substation. Activities include kerbing, levelling and backfilling of the platform, placing catch pits, palisade fencing, and labelling and earthing of the new fence. Construction end is scheduled for August 2015.

ACTOM is completed with their work at Vyevlei Substation site.

4. Environmental incidents and complaints

There were no complaints recorded thus far for construction.

Three incidents were recorded for the project; namely, one wildlife incident and two minor oil spill incidents. Refer to Addenda C for details.

5. Permits and approvals obtained

The only permit that was obtained in addition to the EA was a general authorisation in terms of the National Water Act, 36 of 1998, for construction within 100 meters of watercourses.