

RUSTMO1 SOLAR FARM
ENVIRONMENTAL MONITORING REPORT
EA Ref: 12/12/20/2147

Submitted to:
Department of Environmental Affairs
&
Momentous Energy

Monthly ECO Monitoring Report
18 February -01 March 2013

Prepared for: RustMo1



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1. OVERVIEW OF CONSTRUCTION ACTIVITIES (NOTABLE EVENTS)

All construction work at RustMo1 Solar Farm thus far has been preliminary site clearing for Office Platforms, Internal Access Road, Fencing and Assembly Facility. The activities on site at present comprises of removal of vegetation levelling of the lay down area for PV panels.

Audit Findings:**Non-compliance concerns:**

1. Ablution facilities are not yet available on site however; the Sub-contractor Brand Engineering has given the ECO an undertaking that the chemical toilets have been ordered and they will be delivered on site on Monday 04 March 2013.
2. The waste bins are not yet present on site, however the subcontractor Brand Engineering has given the ECO an undertaking that the waste bins have been order and they will be delivered on sites any day from Monday 04-March to Friday 08 March.

Compliances

1. A complete spill pack has been delivered on site Friday 01 March 2013(EMP ref page 36)
2. The Sub- contractor (Brand Engineering) is keeping to their demarcated area and they have not disturbed anything outside their development footprint.
3. No off-roading on agreed access roads is happening on site as most of workers are moving on foot from one area of work to another.
4. Signage for Emergency assembly point has been erected on site. and the sub-contractors have all safety equipment for fire.
5. Good communication is happening so far between both the client Contractor, Sub-contractor and the ECO. And that will be advantageous to the progress of the project.

Outstanding matters:

With reference to the EA, EMP and all the South African legislation the following acts of non-compliances have taking place on the site:

1. The ablution facilities are not yet available on site. (EMP Ref page 24).
2. The waste bins are not yet available on site, however the sub-contractor Brand Engineering has made arrangements for the chemical toilets to be

delivered on site any day from Monday 04-march 2013 to Friday 08 March.)

All of the outstanding matters for this Month report will be closed out on as from the Monday 04 March 2013 onwards as agreed between the ECO, and the Subcontractor. The ECO will not allow for any further delays in delivery of both ablution facilities, and waste bins.

GENERAL OUTSTANDING MATTERS:

No outstanding matter for the previous month of January as the site establishment activities commenced this month of February.

2. ENVIRONMENTAL MONITORING RECORD OF OBSERVATIONS

2.1 Waste Management

2.1.1 Solid Waste (domestic/general)

Precautions are being undertaken to manage general wastes that may be generated during construction work in the form of a solid waste refuse bins that will be delivered on site on or about Monday 04 March 2013 onwards. General waste generation is currently low at RustMo1 Solar Farm and no signs of pollution are evident on site.

2.1.2 Liquid Waste

Precautions are being undertaken to manage liquid sewage waste in the form of chemical toilets that will be delivered on site on Monday 04 March 2013. These chemical toilets will be accessible for the construction staff. At present the construction staff is using the ablution facilities at the nearby Marikana platinum mine. Sewage waste generation is currently low and no signs of pollution are evident.

2.1.3 Hazardous Waste

Actions have been taken to manage oil and diesel spills in the form of drip trays that are placed under the construction vehicles when not operated. At present no hazardous spillage has occurred on site but the spill kit and drip trays are available on site at all times.

2.2 Ecosystem Conservation

2.2.1 Flora

No protected species have been identified within the development area during site establishment. All the plants that have been cleared on site are not identified as protected, or endangered, but they are indigenous to the area of work. According to the client, actions will be taken to plant more species of indigenous plants on the nearby areas as part of the rehabilitation after construction has been completed. This will be done with assistance from the ECO.

2.2.2 Fauna

A male Boomslang snake was spotted on site by the ECO and Construction workers. The ECO has made it clear to the Contractor, and their Sub-contractor that no killing of fauna on site will be allowed. The Client has provided the ECO with a professional Snake handler to solve any snake related issues.

A Male Boomslang snake



2.2.3 Water Management

A water permit from the Department of Water Affairs has been issued regarding the borehole that will be used as construction progresses.

2.2.4 Soil Management

No topsoil was cleared as yet in this pre- construction phase.

2.3 Heritage

A gravesite has been identified close to the development area ,and it has been fenced to prevent access or disturbance to the graves.



2.4 Social

2.4.1 *Complaints and claims for damage*

No complaints or damage claims were recorded.

2.4.2 *Landowner issues*

No complaints by the landowners were recorded.

2.5 Rehabilitation

No protected plant species were identified on site during the site clearance. However if a protected plant is recorded on site the permits for Removal of such species will be obtained before such plant species can be removed.

3. PROTECTIVE MEASURES

Protective measures are being implemented on site by both the Contractor Juwi, and the Sub-contractor Brand Engineering.

The contractor (Servest Security) is responsible for ensuring the safety of all stored equipments on site as well as the security of construction workers.

4. **INFRASTRUCTURE MANAGEMENT**

The Contractor Visual Proof is currently busy erecting the fence on site as part of site establishment. They have made their fenced storage area for their equipment. The ECO has advised them not to mix the cement on ground, and they are currently mixing it in large container and carrying it with well sealed wheel barrows to avoid any spillage.



5. **ENVIRONMENTAL AWARENESS AND TRAINING**

Environmental awareness training has been done by the ECO on the 25/02/2013 at the solar farm. As part of the awareness the ECO will be conducting the Environmental awareness toolbox talks every week on site.

6. **NON-COMPLIANCE AND CONTRACTOR COMMUNICATIONS**

There are no issues of non compliance for the previous month of January since the work commenced on 18th of February 2013 .However all of the concerns, and non compliances for this month relating to the environment will be addressed. The communication between the ECO and contractor, and the client remains good.

7. **INCIDENTS**

No environmental incidents occurred during the month of February. However any environmental incidents will be recorded in the environmental incident register by the ECO.

8. MEETINGS AND CORRESPONDANCE

DATE	MEETING	VENUE
27/02/2013	SHE weekly Meeting	RustMo1 Solar Farm Site
28/02/2013	Equator principle discussion meeting	Rusmo1 Solar Farm Site

9. OTHER

None

This report was prepared by Dakalo Nemalegeni (ECO Savannah Environmental) for RustMo1 Solar Farm.

APPENDIX A: COMPLAINTS REGISTER

- **No complaints was recorded from the Interested and affected parties for the month of February 2013.**