



Certificate Of Registration

IN TERMS OF THE NATIONAL NUCLEAR REGULATOR ACT, 1999 (ACT NO. 47 OF 1999)

CERTIFICATE OF REGISTRATION NO. COR-111

Certificate of Registration No. COR-111 is hereby granted by the National Nuclear Regulator (hereinafter referred to as the NNR) in terms of section 22 of the above Act

to

FARMERS WORLD LIMPOPO (PTY) LTD

Registration number: 2004/020580/07
Registered address: Bosveld Phosphates
Station Road
Phalaborwa
Limpopo

(hereinafter referred to as the holder)

subject to the terms and conditions set out herein.

B Mkhize
CHIEF EXECUTIVE OFFICER

Minerals Processing", and RD-011: "Requirements for Medical Surveillance and Control of Persons Occupationally Exposed to Radiation: Mining and Minerals Processing", in the revisions specified in section 2.4.1, must be established and be submitted to the NNR for approval. These programmes must ensure and demonstrate that radiation doses to persons employed at the site and to visitors to the site are in compliance with the radiation dose limitation system set down in the NNR document RD-010: "Requirements for Radiation Dose Limitation: Mining and Minerals Processing", in the revision specified in section 2.4.1 of this Authorisation. The programmes, as approved by the NNR, shall be implemented by the holder.

- 1.4.1.2 The provisions contained in the revision of documents listed in section 2.4.1 of this Authorisation and submitted in terms of condition 1.4.1.1 of this Authorisation, shall be adhered to.

1.4.2 PUBLIC

- 1.4.2.1 Based on the results of the assessments referred to in clause 1.2.1, programmes embodying all aspects as required by NNR document RD-007: "Requirements for Control over Radioactive Effluent Discharges and Environmental Surveillance: Mining and Minerals Processing", in the revision specified in section 2.4.2 of this Authorisation, must be established and be submitted to the NNR for approval. These must ensure and demonstrate that radiation doses to members of the public are in compliance with the radiation dose limitation system set down in the NNR document RD-010: "Requirements for Radiation Dose Limitation: Mining and Minerals Processing", in the revision specified in section 2.4.1 of this Authorisation. The programmes, as approved by the NNR, shall be implemented by the holder.

- 1.4.2.2 The provisions contained in the revision of documents listed in section 2.4.2 of this Authorisation and submitted in terms of condition 1.4.2.1 of this Authorisation, shall be adhered to.

1.5 RADIOACTIVE WASTE

- 1.5.1 A radioactive waste management programme embodying all the requirements contained in the NNR document RD-004: "Requirements for Radioactive Waste Management: Mining and Minerals Processing", in the revision specified in section 2.5 of this Authorisation, shall be established and submitted to the NNR for approval.

- 1.5.2 The provisions contained in the revision of documents listed in section 2.5 of this Authorisation and submitted in terms of condition 1.5.1 of this Authorisation, shall be adhered to.

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1.8.3 The provisions contained in the revision of documents listed in section 2.8 of this Authorisation and submitted in terms of condition 1.8.1 and 1.8.2, shall be adhered to.

1.9 QUALITY MANAGEMENT

1.9.1 All activities carried out within the scope of this Authorisation shall be subject to the requirements contained in the NNR document RD-005: "Quality Management Requirements for Activities Involving Radioactive Material: Mining and Minerals Processing", in the revision specified in section 2.9 of this Authorisation.

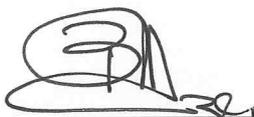
1.9.2 The provisions contained in the revision of documents listed in section 2.9 of this Authorisation and submitted in terms of condition 1.9.1 of this Authorisation, shall be adhered to.

1.10 SCHEDULE

1.10.1 The programme, scheduling the achievement of compliance with the conditions of this Authorisation, as set out in section 2.10 shall be adhered to.

This Certificate of Registration is effective from the date of issue.

Issued at Centurion on the 16th day of March 2012.



BM Mkhize
CHIEF EXECUTIVE OFFICER



DOCUMENT CONTROL TABLE

24 February 2012

SECTION	PAGE	REVISION												
		0	1	2	3	4	5	6	7	8	9	10	11	12
2.1	3	X												
2.2	4	X												
2.3	5	X												
2.4.1	6	X												
2.4.2	7	X												
2.5	8	X												
2.6	9	X												
2.7	10	X												
2.8	11	X												
2.9	12	X												
2.10	13	X												

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SECTION 2.1: SCOPE

2.1.1 The authorised site is:

The surface area demarcated with the line A, B, C, D, E, F, G, H, I, J on the diagram headed "Farmers World (Pty) Ltd Scope of CoR" and the corresponding coordinates. The physical address is located at:

Bosveld Phosphates
Station Road
Phalaborwa
Limpopo

2.1.2 The holder may, subject to the conditions in part 1 of this authorisation, use, possess, produce, store, and process radioactive material at and convey, cause to be conveyed and dispose of radioactive material associated with the manufacture of phosphoric acid on the authorised site listed in 2.1.1 above.

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SECTION 2.2: HAZARD ASSESSMENT

2.2.1 NNR-P-01

(Rev 0)

Workers Safety Assessment

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SECTION 2.3: OPERATIONAL LIMITATIONS

- 2.3.1 Radioactive waste with a specific alpha (U-238, U-234, Th-230, Ra-226, Po-210, Th-232 and Th-228) activity exceeding 1000 Bq/g shall be stored in a facility approved by the NNR.

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SECTION 2.4.1: RADIATION PROTECTION PROGRAMME - WORKFORCE

2.4.1.1	RD-006	(Rev 0)	Requirements for the Control of Radiation Hazards: Mining and Minerals Processing.
2.4.1.2	RD-010	(Rev 0)	Requirements for Radiation Dose Limitation Mining and Minerals Processing.
2.4.1.3	RD-011	(Rev 0)	Requirements for Medical Surveillance and Control of Persons Occupationally Exposed to Radiation: Mining and Minerals Processing.
2.4.1.4	NNR-P-05	(Rev 0)	Worker Radiation Protection Programme.
2.4.1.5	NNR-P-08	(Rev 0)	Radiation Protection Function.

SECTION 2.4.2: RADIATION PROTECTION PROGRAMME - PUBLIC

- | | | |
|------------------|---------|---|
| 2.4.2.1 RD-007 | (Rev 0) | Requirements for the Control over Radioactive Effluent Discharges and Environmental Surveillance: Mining and Minerals Processing. |
| 2.4.2.2 NNR-P-03 | (Rev 0) | Public Radiation Protection Programme. |

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SECTION 2.5: RADIOACTIVE WASTE

2.5.1 RD-004	(Rev 0)	Requirements for Radioactive Waste Management: Mining and Minerals Processing.
2.5.2 NNR-P04	(Rev 0)	Integrated Radioactive Waste Management Programme

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SECTION 2.6: TRANSPORTATION

2.6.1 TS-R-1 (ST-1, Revised)

Regulations for the Safe
Transport of Radioactive Material 2009.

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SECTION 2.7: PHYSICAL SECURITY

2.7.1 NNR-P-09

(Rev 0)

Physical Security Procedure.

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SECTION 2.9: QUALITY MANAGEMENT

2.9.1	RD-005	(Rev 0)	Quality Management Requirements for Activities Involving Radioactive Material: Mining and Minerals Processing.
2.9.2	NNR-P-07	(Rev 0)	Quality Management Procedure.
2.9.3	NNR-P02	(Rev 0)	Self Inspection and Emergency Preparedness.

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