



Certificate Of Registration

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

CERTIFICATE OF REGISTRATION NO. COR-92

(Variation 1)

Certificate of Registration No. COR-92, is hereby granted by the National Nuclear Regulator (hereinafter referred to as the NNR) in terms of section 22 of the above Act

to

FORENSIC SCIENCE LABORATORY

Registered address : 270 Pretoria Road
Silverton
PRETORIA
0001

(hereinafter referred to as the holder)

subject to the terms and conditions set out herein.

Advocate B M Mkhize
CHIEF EXECUTIVE OFFICER

AUTHORISATION CONDITIONS
PART 1: GENERAL CONDITIONS

- 1.1 The holder is authorised to carry out the actions associated with radioactive material on the site as set out, and identified, in section 2 of this authorisation.
- 1.2 No action involving radioactive material which falls outside the scope of this authorisation may be performed.
- 1.3 The holder must appoint a Responsible Person and an alternate who must act in the capacity of the Responsible Person in the event of the latter's absence.
- 1.4 The NNR must be notified of the names of the Responsible Person and alternate Responsible Person and their names must be displayed at all places where the radioactive material is used.
- 1.5 The Responsible Person must ensure -
- 1.5.1 the correct and safe use of the material;
 - 1.5.2 the proper storage and control of the material;
 - 1.5.3 that personnel are instructed in respect of the nature or radiological hazards and the safe handling and use of the material;
 - 1.5.4 the correct discarding of waste containing radioactive material;
 - 1.5.5 proper decontamination and clean-up in the event of spillage of radioactive material;
 - 1.5.6 the proper treatment of wounds contaminated during operation involving radioactive material;
 - 1.5.7 the correct receipt of radioactive material;
 - 1.5.8 compliance with the requirements for transportation of radioactive material;
 - 1.5.9 that any accident involving radioactive material is reported to the NNR.
- 1.6 In the event of any change of Responsible Person (or alternate) the NNR must be notified immediately thereof and the name of new incumbent displayed as contemplated in clause 1.5.
- 1.7 Radioactive material must only be handled and stored in areas set aside for these purposes. Such areas must be suitably demarcated and appropriate radiation warning signs displayed at the access points to these areas.
- 1.8 The areas where radioactive material is used or stored must be such as to ensure the safe handling of the material, and to facilitate decontamination of surfaces and equipment should this become necessary.
- 1.9 A formal housekeeping programme must be implemented in all areas where radioactive material is stored or used.



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- 1.10 All persons, when handling radioactive material, must wear appropriate protective clothing.
- 1.11 Operations involving the handling of radioactive material must be carried out in such a way as to minimize the potential for the spread of contamination.
- 1.12 Pipetting by mouth of solutions containing radioactive material is not permitted. All pipetting of solutions containing radioactive material must be performed with the use of mechanical pipettes
- 1.13 Operations involving radioactive material where radioactive aerosols may be generated must be carried out in a fume cupboard. Where such fume cupboards are mechanically ventilated with exhaust released to the outside atmosphere these must be fitted with suitable filters or scrubbers. Contaminated filters and depleted scrubbers solutions must be disposed of, as radioactive waste and appropriate precautions must be taken in the changing and handling processes.
- 1.14 Radioactive material must be stored in a specific, cupboard, which must be locked and on which a radiation warning sign and the names of the Responsible Person and his alternate must be displayed.
- 1.15 The following log-books must be kept and maintained:
- 1.15.1 A material balance log-book showing-
- 1.15.1.1 quantities of radioactive material received as well as associated activity concentration;
- 1.15.1.2 material usage;
- 1.15.1.3 quantities of waste, its activity conducted, date and method or disposal;
- 1.15.2 An incident log-book containing details of accidents involving radioactive material, and any accidents and incidents which would, if not correctly controlled, give rise to such accidents.
- 1.16 Containers in which radioactive material, in any form, is stored must –
- 1.16.1 be clearly marked on the exterior with a radiation warning sign;
- 1.16.2 bear the name of the element and its chemical form;
- 1.16.3 indicate the molarity or mass concentration of the radioactive material.
- 1.17 In the event of spillage of radioactive liquids or powders
- 1.17.1 all contaminated surfaces must be washed and cleaned as soon as possible;
- 1.17.2 any contaminated clothing must be removed and cleaned before re-use;
- 1.17.3 an entry must be made in the incident log-book.

BM.

- 1.18 Radioactive waste must be stored in a receptacle reserved for this purpose only. Such waste must be disposed of at an authorised radioactive waste disposal site.
- 1.19 Any product, object or waste comprising or containing radioactive material which is transported from the premises of a holder must be transported in accordance with the Regulations for the Safe Transport of Radioactive material (1996 edition) of the International Atomic Energy Agency.
- 1.20 Eating, drinking and smoking is not be permitted in areas where radioactive material is stored or used.

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

Issued at Centurion on the 30th day of September 2010.



Advocate B M Mkhize
CHIEF EXECUTIVE OFFICER

PART 2: SPECIFIC CONDITIONS

SECTION 2.1: SCOPE

2.1.1 The Authorised site is:

Forensic Science Laboratory located at 270 Pretoria Road, Silverton.

2.1.2 The holder may, subject to the conditions of part 1 of this authorisation, analyse precious metals stolen from mines.

CONTROLLED COPY



Regulation of Natural Sources Department

Record of Decision

LB/35/6/11/92
DATE: 26 July 2010

Re- Issuing of a Nuclear Authorisation

1. INTRODUCTION

The South African Police Services Forensic Science Laboratory (hereafter referred to as SAPS FSL) is the holder of Certificate of Registration COR-92, which was issued in June 2005. The holder is authorised to analyse precious metals stolen from mines at 270 Pretoria Road, Silverton.

The holder of COR 92 failed to produce copies of the COR during the inspection (COR92Insp09/01) conducted on the 30th January 2009. In response to the findings identified at the time of the inspection, the holder submitted a letter requesting to be furnished with copies of the Certificate of Registration (COR-92).

2. TECHNICAL FINDINGS FROM THE INSPECTION

2.1 GENERAL COMMENTS

- The holder is required to appoint a Radiation Protection Function to determine what is required for the SAPS FSL to comply with the National Nuclear Regulator requirements and assist in addressing the findings of the inspection (COR92Insp09/01).

2.2 SPECIFIC COMMENTS

- The scope of the holder (as specified in section 2.1 of COR-92) has not changed.

3. KEY FACTORS THAT LED TO THE DECISION


The following key factors were considered important to the outcome of the decision:

- The Forensic Science Laboratory has no point of reference in terms of ensuring compliance with the conditions of COR-92.
- The laboratory must appoint a radiation protection function as required by the NNR and the radiation protection function will require the conditions of the COR to enable them to assist the laboratory with necessary programmes for radiation protection.
- The scope of COR-92 has not changed.

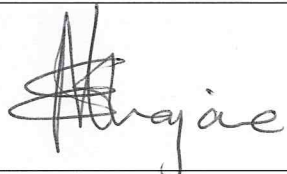
4. CONCLUSION AND RECOMMENDATIONS

It is, therefore, recommended that the variation of COR-92 be issued, because of the key factors mentioned in section 3 above.

5. QUALITY ASSURANCE TRAIL


THIS ROD WAS PREPARED BY:			
Name	Designation	Signature	Date
Ms S. Masike	Regulatory officer: RENS		26/07/2010

THIS ROD WAS REVIEWED BY

1. Name	Designation	Signature	Date
Mr EP Mohajane	Process Co-ordinator: Authorisation		03-8-2010

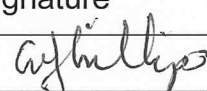
Remark/Comment:

RE-ISSUE OF COR-92 AS VARIATION 1
IS SUPPORTED!!

2. Name	Designation	Signature	Date
Mr T. Tselane	Manager: RENS		01/09/2010

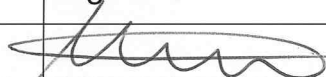
Remark/Comment:

Approval Recommended!

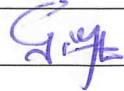
3. Name	Designation	Signature	Date
Mr O. Phillips	Senior Manager: NTNS		7/9/2010

Remark/Comment:

Recommended For Approval.

4. Name	Designation	Signature	Date
Mr M.Msebenzi	CTO		07/09/10

Remark/Comment:

5. Name	Designation	Signature	Date
Mr G. Nhlapho	Legal Advisor		29/09/10
<u>Remark/Comment:</u>			

THIS DOCUMENT WAS APPROVED BY			
Name	Designation	Signature	Date
Adv B. M. Mkhize	NNR CEO		



Old Mutual Building
Block A 2nd floor
cnr Embankment & Hendrik Verwoerd Drive
Centurion
PO Box 7106 Centurion 0046
Republic of South Africa
Tel: +27 12 674 7100
Fax: +27 12 663 5513
e-mail: nnr@nnr.co.za

Enquiries: T Tselane
LB/35/6/11/207
Our Reference: COR92B0015

29 September 2010

SUPT C.A.P. STEENKAMP

The Safety, Health and Environment Manager
South African Police Services
Private Bag X620
bddl-p PRETORIA
0001

ATTENTION: SUPT C A P STEENKAMP.

Dear Sir

**RE: NUCLEAR AUTHORISATION COR-92: ISSUING OF A NUCLEAR
AUTHORISATION (VARIATION 1)**

Your letter dated 31 August 2009 and Affidavit dated 7 April 2010 refers.

Your application for issuing of a variation of COR-92 has been approved. Herewith find enclosed:

- o One controlled copy and one copy for display of COR-92 (Variation 1). All other additional copies required will be reproduced and controlled in accordance with your approved quality *document* management *document*. You are required to notify the NNR in writing of all controlled copies that you make.
- Please apprise the NNR of the locations where the controlled copy will be kept and where the display copy will be displayed.
- o Revised guidance on the submission of correspondence to the NNR.

*Should you have any questions concerning the above or the enclosed, please do not
hesitate to contact the NNR.*

Mission Statement

To provide an effective and efficient national regulatory framework for the protection of persons, property and environment against nuclear damage through:
Excellence in nuclear regulatory practices and Human resources and transformation practices best suited to the nuclear regulatory needs of the nation.

Should you have any questions or queries in this regard, do not hesitate to contact Mr T Tselane, Manager: Regulation of Natural Sources.

Yours faithfully

B M Mkhize
CHIEF EXECUTIVE OFFICER



Legal Services Request Form

REQUESTOR	Department:	RENS	Request Reference Title:	Supporting Documents
	Name & Position:	P Mohajane PC: Authorisation	Re-issue of COR-92	Record of Decision
	Request Date:	8 September 2010		
	Expected Due Date:	9 September 2010		
	Priority:	<div>High <input checked="" type="checkbox"/></div> <div>Medium <input type="checkbox"/></div> <div>Low <input type="checkbox"/></div>		
	Request Details (Please attach Memo with a description of required service where necessary)			
Please do legal review of request				

REVIEW (SLA)	Date Requisition Received:	Accepted?	Comments:
	Agreed Due Date:	Yes <input type="checkbox"/>	
	Allocated Resources:	No <input type="checkbox"/>	
	Review / Approval Requirements:		
	Review:	Approval:	

RESPONSIBLE PERSON	Date Received:	Request Analysis			
	Date Task Completed:	Additional Information/Documents required?		Yes <input type="checkbox"/>	No <input type="checkbox"/>
	Date Report Submitted:	Comments:			
	Submitted To:				
	Documents Submitted:	Date Requested:		Date Information Received back:	

CLOSE OUT (SLA)	Date Received:	Date Reviewed:		
	Approved?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Approval Date:
	Forward/Issue to:	Date Database Updated:		

I Christiaan Andreas Pieter Steenkamp ID 680515 5027 08 5 employed at the SAPS Forensic Science Laboratory tel number 012 421 0175, and cell number 082 442 8076, declare under oath in English as follows:

1

It was brought to my attention by the National Nuclear Regulator (NNR) that the SAPS Forensic Science Laboratory (FSL) should be in possession of a COR 92.

2

Although the annual fees were paid to the NNR by the FSL, a COR 92 was never received.

3

A letter, dated 2009-08-31, was forwarded to the NNR requesting any documentation in connection with the FSL to be sent to the FSL. The purpose of this was to determine which guidelines have already been implemented by the FSL and which have not yet been implemented. No feedback was received from the NNR.

4

Since then it has come to my attention that there was a COR 92 issued to the SAPS FSL.

5

The previous person who was responsible for radioactivity and all related aspects at the FSL has since resigned. No documentation concerning radioactivity was received from him prior to him leaving.

6

At this point the FSL is not in possession of any documentation related to radioactivity.

7

I know and understand the contents of this statement.

I have no objections to taking the prescribed oath.

I consider the prescribed oath to be binding on my conscience.

DATE: 2010-08-26

PLACE: Pretoria

TIME: 08:00

SIGNATURE OF DEPONENT : Steenkamp LT-ccc

I certify that the deponent acknowledges that he knows and understands the contents of this statement which was sworn before me and the deponent's signature was placed thereon in my presence.

ON THE 26 DAY OF August (year) 2010 AT 08:00 (TIME)

PLACE: Pretoria

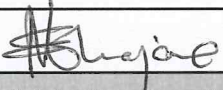

SUID-AFRIKAANSE POLISIEDIENS
FORENSIESE WETenskap LABORATORIUM
PRIVAATSAK/PRIVATE BAG X620
2010 -08- 26
FORENSIC SCIENCE LABORATORY
PRETORIA 0001
SOUTH AFRICAN POLICE SERVICE

[Signature]
SIGNATURE OF COMMISSIONER OF OATHS



REGULATION OF NATURAL SOURCES
DEPARTMENT

CORRESPONDENCE APPROVAL FORM

General Information about the Correspondence			
Responsible Person	S. Masike		
Name of Holder	Forensic Science Laboratory		
Authorisation Number	COR-92		
Type of Submission	General		
Title of Submission	Re: Request for copies of all written correspondence(Ref: COR92 – 0012)		
Date Received	2010-04-15	Reference Number (Incoming)	
Date Responded (RO)	2010-07-26	Reference Number (Outgoing)	COR92B0014
Date letter sent/faxed			
File Directory and Name			
Authorization Change Request Information			
ACR Number			
Document Short Name			
Section of COR to be revised			
New			
Revised		Revision Number	
Delete	O:/NNR/NTNS/RENS/MIMP/SBM/APPLI/COR92		
Contact Details for Holder or Applicant			
Address Corres. To: (Duly Authorised Person)	Supt C. A. Steenkamp	Designation	Head: SHE Management: FSL
For Attention	Supt C. A. Steenkamp	Designation	Head: SHE Management: FSL
Fax No.	012 421 0330	Tel. No.	012 421 0175
Authorisation of Correspondence			
Manager/PCA/PCCA		Date	03-08-2010
Outgoing Document Checked for Administration Compliance			
Signature		Date	20-08-10 20-09-01

