

CERTIFICATE OF ACCREDITATION

This is to certify that:

**ENVIRONMENTAL RESOURCES MANAGEMENT
SOUTHERN AFRICA (PTY) LTD**
Co. Reg. No: 2003/001404/07

Facility Accreditation Number: **MHI 0012**

is a South African National Accreditation System accredited Inspection Body to undertake **Type A** inspection provided that all SANAS conditions and requirements are complied with

This certificate is valid as per the scope on the accompanying schedule of accreditation bearing the above accreditation number for

THE ASSESSMENT OF RISK ON MAJOR HAZARD INSTALLATIONS

The inspection body complies with the general requirements of

ISO/IEC 17020:1998

While this certificate remains valid, the Accredited Facility named above is authorised to use the relevant SANAS accreditation symbol to issue facility reports and/or certificates

Mr MA Peet
Chief Executive Officer

Effective Date: 01 March 2008
Certificate Expires: 30 November 2010

"Recognised as the official national accreditation body by the Department of Trade and Industry of the Republic of South Africa"

SCHEDULE OF ACCREDITATION

Inspection Body Accreditation Number: MHI 0012

TYPE A

<p><u>Permanent Address of Inspection Body:</u> Environmental Resources Management Southern Africa (Pty) Ltd Building 23, Woodlands Drive The Woodlands Office Park Woodmead 2148</p> <p><u>Permanent Address of Inspection Body:</u> Silverwood House, Block A Silverwood Office Park Steenburg Cape Town 7945</p> <p>Tel : (011) 802-8263 / (021) 701-8687 Fax : (011) 802-8299 / (021) 701-7900 E-mail : ian.home@erm.com</p>	<p><u>Postal Address:</u> Postnet Suite 624 Private Bag X29 Gallo Manor 2052</p> <p><u>Postal Address:</u> Posnet Suite 90 Private Bag X12 Tokai 7966</p> <p>Issue No. : 04 Date of issue : 17 February 2009 Expiry date : 30 November 2010</p>	
<p><u>Nominated Representative:</u> Mr I Home</p>	<p><u>Quality Manager:</u> Mr J Soboil</p> <p><u>Technical Manager:</u> Dr A Franks</p>	<p><u>Signatories:</u> Dr A Franks Mr D Cambell Mr M Ramsden Mr D Quinn</p>
Field of Inspection	Service Rendered	Codes and Regulations
<p>1) Explosive chemicals</p> <p>2) Gases:</p> <p style="margin-left: 20px;">i) Flammable Gases</p> <p style="margin-left: 20px;">ii) Non-flammable, non toxic gases (asphyxiants)</p> <p style="margin-left: 20px;">iii) Toxic gases</p> <p>3) Flammable liquids</p> <p>4) Flammable solids, substances liable to spontaneous combustion, substances that on contact with water release flammable gases</p> <p>5) Oxidizing substances and organic peroxides</p> <p>6) Toxic liquids and solids</p>	<p><u>Specific Services</u></p> <p>i) Frequency/Probability Analysis</p> <p>ii) Consequence Modelling</p> <p>iii) Hazard Identification and Analysis</p> <p>iv) Emergency planning reviews</p>	<p>MHI regulation par. 5 (5) (b)</p> <p>CPR 18E (1999), Guideline for quantitative risk assessment ("Purple Book"), TNO Apeldoorn.</p> <p>CPR 14E (1997). Methods for the Calculation of Physical Effects ("Yellow Book"), 3rd Edition, TNO, Apeldoorn.</p> <p>CPR 16E (1992). Methods for the Determination of Possible Damage ("Green Book"), 1st Edition, TNO, Apeldoorn.</p> <p>Lees FP (2001). Loss Prevention in the Process Industries: Hazard Identification, Assessment and Control, 2nd Edition, Butterworths, London, UK.</p> <p>HSE Planning Case Assessment Guide (PCAG)</p>

Original date of accreditation: 30 November 2006

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ISSUED BY THE SOUTH AFRICAN NATIONAL ACCREDITATION SYSTEM

Field Manager