

CERTIFICATE OF ACCREDITATION

In terms of section 22(2)(b) of the Accreditation for Conformity Assessment, Calibration and Good Laboratory Practice Act, 2006 (Act 19 of 2006), read with sections 23(1), (2) and (3) of the said Act, I hereby certify that:-

TÜV AFRICA (Pty) Ltd
LEGAL TRADING ENTITY
TÜV RHEINLAND INSPECTION SERVICES (Pty) Ltd
Co. reg no: 2000/005599/07

Facility Accreditation Number: **LVUP052**

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 as stated in the accompanying schedule of accreditation, Annexure "A", bearing the above accreditation number for

CERTIFICATION AND RE-CERTIFICATION OF VESSELS UNDER PRESSURE (CONVENTIONAL & NUCLEAR) AND INSPECTION OF STEEL STRUCTURES

The facility is accredited in accordance with the recognised International and National Standard

ISO/IEC 17020:1998 AND SABS 0227:2000

The accreditation demonstrates technical competency for a defined scope and the operation of a quality management system

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 R Josias
Acting Chief Executive Officer

Effective Date: 01 December 2007
Certificate Expires: 30 August 2010

ANNEXURE A

SCHEDULE OF ACCREDITATION

Inspection Body Accreditation Number: LVUP052

TYPE A

<p><u>Permanent Address of Inspection Authority:</u> TÜV AFRICA (Pty) Ltd Legal Trading Entity TÜV Rheinland Inspection Services (Pty) Ltd Building 4 E CSIR Campus Meiring Naude Road Brummeria</p> <p>Tel : (012) 349-1351 Fax : (012) 349-1386 Email : tz.joubert@za.tuv.com</p>	<p><u>Postal Address:</u> P O Box 152 Persequor Park 0020</p> <p>Issue No. : 10 Date of issue : 17 December 2009 Expiry date : 30 August 2010</p>																																																																																																				
<p><u>Management Representative:</u> Mr TZ Joubert</p> <p><u>Nuclear Supervisor:</u> Mr B Hrubala - NB Comm No: 8480 A B N NS</p> <p><u>Inspectors – IPE (Excluding Nuclear Vessels):</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>Mr J B Peter</td><td>IPE 088</td><td>Pretoria</td></tr> <tr><td>Mr N Claassen</td><td>IPE 160</td><td>Johannesburg</td></tr> <tr><td>Mr MA Mabaso</td><td>IPE 366</td><td>Johannesburg</td></tr> <tr><td>Mr FPL Grobelaar</td><td>IPE 082</td><td>Johannesburg</td></tr> <tr><td>Mr R Botha</td><td>IPE 172</td><td>Johannesburg</td></tr> <tr><td>Mr A Hopgood</td><td>IPE 417</td><td>Johannesburg</td></tr> <tr><td>Mr P van Breda</td><td>IPE 236</td><td>Johannesburg</td></tr> <tr><td>Mr JJ Grobler</td><td>IPE 383</td><td>Johannesburg</td></tr> <tr><td>Mr G Wood</td><td>IPE 386</td><td>Johannesburg</td></tr> <tr><td>Mr C Mbere</td><td>IPE 421</td><td>Johannesburg</td></tr> <tr><td>Mr C Howard</td><td>IPE 158</td><td>Johannesburg</td></tr> <tr><td>Mr BA van Wyk</td><td>IPE 367</td><td>Johannesburg</td></tr> <tr><td>Mr JWS de Beer</td><td>IPE 337</td><td>Johannesburg</td></tr> <tr><td>Mr A Graham</td><td>IPE 425</td><td>Johannesburg</td></tr> </table> <p><u>Inspectors – AWS:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>Mr H vd Westhuizen</td><td>AWS D 1.1</td><td>Johannesburg</td></tr> <tr><td>Mr J Eyssen</td><td>AWS D 1.1</td><td>Johannesburg</td></tr> <tr><td>Mr M Carneson</td><td>AWS D 1.1</td><td>Johannesburg</td></tr> </table>	Mr J B Peter	IPE 088	Pretoria	Mr N Claassen	IPE 160	Johannesburg	Mr MA Mabaso	IPE 366	Johannesburg	Mr FPL Grobelaar	IPE 082	Johannesburg	Mr R Botha	IPE 172	Johannesburg	Mr A Hopgood	IPE 417	Johannesburg	Mr P van Breda	IPE 236	Johannesburg	Mr JJ Grobler	IPE 383	Johannesburg	Mr G Wood	IPE 386	Johannesburg	Mr C Mbere	IPE 421	Johannesburg	Mr C Howard	IPE 158	Johannesburg	Mr BA van Wyk	IPE 367	Johannesburg	Mr JWS de Beer	IPE 337	Johannesburg	Mr A Graham	IPE 425	Johannesburg	Mr H vd Westhuizen	AWS D 1.1	Johannesburg	Mr J Eyssen	AWS D 1.1	Johannesburg	Mr M Carneson	AWS D 1.1	Johannesburg	<p><u>Design Verification Engineers:</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>Mr J B Peters</td><td>Pr. Eng 870009</td></tr> <tr><td>Mr H E Hoff</td><td>Pr. Eng 860523</td></tr> <tr><td>Mr AM Sobey</td><td>Pr. Eng 930090</td></tr> <tr><td>Mr JF Schoultz</td><td>Pr. Eng 970048</td></tr> <tr><td>Mr L Kuc</td><td>Pr. Eng 880656</td></tr> <tr><td>Mr EJJ Mc Donald</td><td>Pr. Eng 9070098</td></tr> <tr><td>Mr G Kashula</td><td>Pr. Tech (Eng) 8870072</td></tr> <tr><td>Mr D Shklaz</td><td>Pr. Eng 840266</td></tr> </table> <p><u>Inspectors – IPE (Excluding Nuclear Vessels):</u></p> <table style="width: 100%; border-collapse: collapse;"> <tr><td>Mr HE Hoff</td><td>IPE 003</td><td>Cape Town</td></tr> <tr><td>Mr CC Viljoen</td><td>IPE 241</td><td>Port Elizabeth</td></tr> <tr><td>Mr DJ Meyer</td><td>IPE 272</td><td>Secunda - Duva</td></tr> <tr><td>Mr DBT van Vuuren</td><td>IPE 428</td><td>Secunda - Duva</td></tr> <tr><td>Mr MM Langa</td><td>IPE 408</td><td>Secunda - Kriel/Tutuka</td></tr> <tr><td>Mr K Kitching</td><td>IPE 412</td><td>Secunda - Matimba</td></tr> <tr><td>Mr GJC de Jager</td><td>IPE 190</td><td>Secunda</td></tr> <tr><td>Mr CM van Antwerpen</td><td>IPE 155</td><td>Secunda</td></tr> <tr><td>Mr B van den Heever</td><td>IPE 166</td><td>Secunda</td></tr> <tr><td>Mr S Bam</td><td>IPE 438</td><td>Secunda</td></tr> <tr><td>Mr H Oberholzer</td><td>IPE 372</td><td>Secunda</td></tr> </table> <p><u>Inspectors – Nuclear Vessels:</u> Mr B Hrubala - NB Comm No: 8480 A, B, N and NS</p>	Mr J B Peters	Pr. Eng 870009	Mr H E Hoff	Pr. Eng 860523	Mr AM Sobey	Pr. Eng 930090	Mr JF Schoultz	Pr. Eng 970048	Mr L Kuc	Pr. Eng 880656	Mr EJJ Mc Donald	Pr. Eng 9070098	Mr G Kashula	Pr. Tech (Eng) 8870072	Mr D Shklaz	Pr. Eng 840266	Mr HE Hoff	IPE 003	Cape Town	Mr CC Viljoen	IPE 241	Port Elizabeth	Mr DJ Meyer	IPE 272	Secunda - Duva	Mr DBT van Vuuren	IPE 428	Secunda - Duva	Mr MM Langa	IPE 408	Secunda - Kriel/Tutuka	Mr K Kitching	IPE 412	Secunda - Matimba	Mr GJC de Jager	IPE 190	Secunda	Mr CM van Antwerpen	IPE 155	Secunda	Mr B van den Heever	IPE 166	Secunda	Mr S Bam	IPE 438	Secunda	Mr H Oberholzer	IPE 372	Secunda
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Field Manager

ANNEXURE A

Laboratory No: LVUP052
Date of issue: 17 December 2009
Expiry date: 30 August 2010

Field of Inspection	Service Rendered	Codes and Regulations
<p><u>Regulatory:</u> The supply of services as an inspection authority for certification and re-certification of Vessels Under Pressure as defined in the Vessels Under Pressure Regulation, Government Notice No. R1591 of 4 October 1996</p> <p><u>Voluntary:</u> The supply of services as an Inspection Body for Steel Structures</p>	<p><u>Specific Services:</u> Third Party Inspection Authority for: Design Verification</p> <p><u>Certification:</u> Pre-manufacturing Inspection During manufacturing Inspection Pre-shipment Inspection Pre-commissioning Inspections</p> <p><u>Re-certification:</u> Modifications Repairs</p> <p><u>Statutory Inspections:</u> Per Government Notice No. R1591 of 4 October 1996</p>	<p><u>Principal codes:</u> ASME 1 ASME III Div. 1 & 3 ASME VIII Div. 1, 2 & 3 BS 1113 BS 2790 PD 5500 AD 2000 Merkblätter TRD ASME B31.1, B3.3 Mines Health and Safety Act (Act No. 29 of 1996)</p> <p>Occupational Health and Safety Act (Act 85 of 1993 including any amendments)</p> <p>AWS D 1.1 SANS 10162-1 SANS 10225</p>

Original date of accreditation: 01 August 2000

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Field Manager