



NUCLEAR VESSEL LICENCE No. NVL-16 (Variation 0)

Nuclear Vessel Licence No. NVL-16 (Variation 0) issued in terms of the provisions of Sections 21, 23 and 24 of the National Nuclear Regulator Act, Act 47 of 1999 (hereinafter referred to as the Act)

for

a vessel which has on board radioactive material capable of causing nuclear damage

OCEAN BIRD

(having call sign OWHU6 and IMO Registration No. 8919817)

pursuant to the applicant brought by

ESKOM HOLDINGS SOC LIMITED

(hereinafter referred to as the Licensee)


The Nuclear Vessel Licence is not transferable and is valid from the date of issue up to and including the date of expiry, subject to adherence with –

- (i) the Conditions of Authorisation in PART A; and
- (ii) the Specified NNR Requirements in PART B.

Expiry Date : 30 September 2013

Issued at Centurion on this 02nd day of August 2013

ACTING CHIEF EXECUTIVE OFFICER


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PART A: CONDITIONS OF AUTHORISATION

1. General

- a. In these conditions any reference to an agreement, approval, directive, specification, notification, process or any formal communication between the NNR and the licensee, and vice versa, shall be deemed to be a reference to a written document.
- b. In these conditions any reference to approved processes and or procedures shall be deemed to be licensee processes and or procedures.
- c. In these conditions any reference to NNR approved processes and or procedures shall be deemed to be licensee processes and or procedures that have been reviewed and approved by the NNR.
- d. The licensee must ensure that once approved no alteration or amendment is made to the NNR approved processes and or procedures unless the NNR has approved the said alteration or amendment.
- e. Where in these conditions, the NNR requires any matter to be approved or to be carried out only with its consent or to be carried out as it directs, the NNR may –
 - i. from time to time modify, revise or withdraw, either wholly or in part, any such approval, directive or consent;
 - ii. approve, either wholly or in part, any modification or revision or any proposed modification or revision to any matter for the period being approved.
- f. The English text of the licence is the official text of the licence.
- g. This Nuclear Vessel Licence does not relieve the licensee from compliance with any other applicable legislation or requirements in the Republic or any country through which the transport actions may be carried out.


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2. Description of Vessel

Ship Name	OCEAN BIRD
Distinctive Number or Letters (Call Sign)	OWHU6
IMO No.	8919817
Port of Registry	Korsør
Ship Type	Cargo Ship
Flag	Danish International Register
Owner	Poulsen Shipping A/S
Ship Yard	K/S Ocean Bird , C/O J. Poulsen Shipping A/S, Battervej 7-9, 4220 Korsør
Place of Build	Nobiskrug, Rendsburg, Germany
Date of completion	1991-06-01
Cargo Ship Safety Construction Certificate	<p>Certificate No. 033078/185/11/01</p> <p>Date of issue: 2011-07-04</p> <p>Valid until: 2016-06-30</p> <p>Issued in accordance with the International Convention for Safety of Life at Sea, 1994, in accordance with assembly resolution A.883(21) relating to the global implementation of the harmonised system of survey and</p>

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	certification.
Cargo Ship Safety Equipment Certificate	<p>Certificate No. 033078/185/11/02</p> <p>Date of issue: 2011-07-04</p> <p>Valid until:</p> <p>2016-06-30</p> <p>Issued in accordance with the International Convention for Safety of Life at Sea, 1994.</p>
Safety Management Certificate	<p>Certificate No. SMC-332674</p> <p>Issued: 2013-03-11</p> <p>Valid until: 2014-05-03</p>
Document of Compliance for the Carriage of Dangerous Goods	<p>Certificate No. 033078/185/11/15</p> <p>Date of issue: 2011-07-04</p> <p>Valid until: 2016-06-30</p> <p>Issued in accordance with Regulation II-2/19.4 of the International Convention for Safety of Life at Sea, 1994.</p>

3. Scope of Authorised Actions

Subject to the conditions contained herein, the vessel may –

- a. Anchor or sojourn in the territorial waters of the Republic
- b. Dock in Cape Town harbour and
 - i. unload new nuclear fuel assemblies and rod cluster control assemblies destined for Koeberg Nuclear Power Station.

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4. Physical Security

- a. The licensee must ensure compliance to the Security Plan referred to in section B-2, which covers the period that the vessel is within South African Territorial Waters, and the period when it is docked in Cape Town harbour;

5. Transport

- a. The transportation of nuclear fuel must be carried out in compliance with the relevant provisions of the International Atomic Energy Agency's *Regulations for the Safe Transport of Radioactive Material, 2005 Edition*, IAEA Safety Standard Series No. TS-R-1, IAEA, Vienna, 2005.
- b. The licensee must keep a record of the consignment as part of the approved transport actions. Such record must –
 - i. contain particulars of the amount, type and form of such material, the manner in which it was packaged, and the date when it transported.
 - ii. be preserved for a period acceptable to the NNR.
- c. The licensee must not undertake any transport of nuclear fuel to sites, installations or persons not appropriately authorised to receive such material.


6. Documents, Records, Authorities and Certificates

- a. The licensee must keep adequate records to demonstrate compliance with the conditions of this licence.

7. Emergency Planning and Preparedness

- a. The licensee must ensure compliance to the Shipboard Emergency Plan referred to in section B-1.

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8. Duly Authorised and Suitably Qualified and Experienced Persons

- a. The licensee must ensure that only suitably qualified and experienced persons perform any duties, which may affect the safety of operations on the vessel, or any duties assigned by or under these conditions of licence.


9. Quality and Safety Management

- a. Quality and Safety Management processes and procedures must be established, implemented and maintained in respect of all matters that may affect safety, in order to ensure compliance with the conditions of this licence.

10. Financial security

- a. The licensee must provide proof to the NNR that any claim for compensation to an amount contemplated in section 30(2) of the act, can be met.

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PART B: SPECIFIED NNR REQUIREMENTS

- B-1. The Licensee must ensure compliance with the provisions of the document *Shipboard Emergency Plan IMO 7 Cargo* submitted under cover of letter K-20863-E dated 28 June 2013.
- B-2. The licensee must ensure compliance to the security plan, approved by the Joint Planning Committee, applicable to this shipment.
- B-3 The New Fuel Cargo shall comply with the requirements specified in the NNR certificate of package design validation, Certificate No. ZA/NNR/347/IF-96 (Dk) Revision 2.