

Doug Jeffery Environmental Consultants (Pty) Ltd.

Head Office:

PO Box 44
Klapmuts
7625
Telephone: 021 875 5272
Facsimile: 086 660 2635
Email: Doug@dougjeff.co.za

Area Office:

PO Box 5336
Worcester
6862
Telephone: 083 2898727
Facsimile: 086 660 2635
Email: Lindsay@dougjeff.co.za

24 April 2017

**Department of Environmental Affairs and Development Planning
Development Management: Region 1**

P.O. Private Bag X9086
Cape Town
8000

Attention: Eldon van Boom

Dear Sir,

**PROPOSED DEVELOPMENT OF A HARDENED WATER SUPPLY AND ASSOCIATED PIPING AT
KOEBERG NUCLEAR POWER STATION, LOCATED ON THE FARM DUYNEFONTYN NO. 1552,
MELKBOSSTRAND**

Herewith, please receive one hard copy and one electronic copy of the Application for Environmental Authorisation and three hard copies and two electronic copies of the draft Basic Assessment Report for the abovementioned proposal.

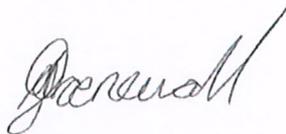
Proof of receipt of delivery:

Name: Derino Maritz

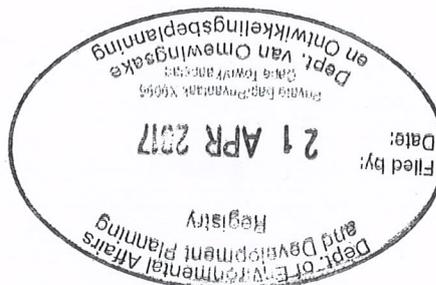
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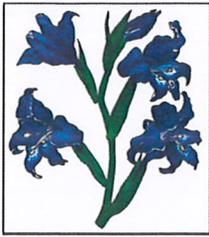
Date: 21 - 04 - 2017

Yours faithfully,



Adél Groenewald
Environmental Consultant





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24 April 2017

Department of Environmental Affairs and Development Planning

Directorate: Waste Management

P.O. Private Bag X9086
Cape Town
8000

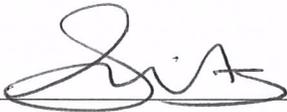
Attention: Eugene Pienaar

Dear Sir,

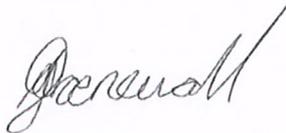
PROPOSED DEVELOPMENT OF A HARDENED WATER SUPPLY AND ASSOCIATED PIPING AT KOEBERG NUCLEAR POWER STATION, LOCATED ON THE FARM DUYNEFONTYN NO. 1552, MELKBOSSTRAND

Herewith, please receive one hard copy and one electronic copy of the draft Basic Assessment Report for the abovementioned proposal.

Proof of receipt of delivery:

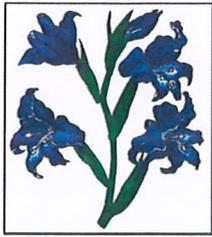
Name: Dawno Maritz
Signature: 
Date: 21 - 04 - 2017

Yours faithfully,



Adél Groenewald
Environmental Consultant





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24 April 2017

Department of Environmental Affairs and Development Planning**Directorate: Pollution and Chemical Management**

P.O. Private Bag X9086
Cape Town
8000

Attention: Zayed Brown

Dear Sir,

**PROPOSED DEVELOPMENT OF A HARDENED WATER SUPPLY AND ASSOCIATED PIPING AT
KOEBERG NUCLEAR POWER STATION, LOCATED ON THE FARM DUYNFONTYN NO. 1552,
MELKBOSSTRAND**

Herewith, please receive one hard copy and one electronic copy of the draft Basic Assessment Report for the abovementioned proposal.

Proof of receipt of delivery:

Name: David Maitz
Signature: [Signature]
Date: 21-04-2017

Yours faithfully,

Adél Groenewald
Environmental Consultant





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Facsimile: 086 660 2635
Email: Lindsay@dougjeff.co.za

24 April 2017

City of Cape Town
Northern Environmental & Heritage Management Branch
Milnerton Civic Centre, 87 Pienaar Road
Milnerton
7441

Attention: Pat Titmuss (Regional Head: E&HM)

Dear Madam,

PROPOSED DEVELOPMENT OF A HARDENED WATER SUPPLY AND ASSOCIATED PIPING AT KOEBERG NUCLEAR POWER STATION, LOCATED ON THE FARM DUYNEFONTYN NO. 1552, MELKBOSSTRAND

Herewith, please receive one hard copy and one electronic copy of the Draft Basic Assessment Report for the abovementioned proposal.

Proof of receipt of delivery:

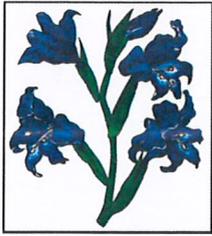
Name: Rizqah Baker

Signature: RBaker

Date: 21 / 04 / 17

Yours faithfully,

Adél Groenewald
Environmental Consultant



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24 April 2017

Heritage Western Cape

3rd Floor, Protea Assurance Building, Greenmarket Square
Cape Town, 8000

Attention: Guy Thomas

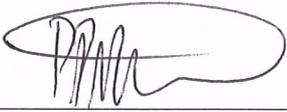
Dear Sir,

**PROPOSED DEVELOPMENT OF A HARDENED WATER SUPPLY AND ASSOCIATED PIPING AT
KOEBERG NUCLEAR POWER STATION, LOCATED ON THE FARM DUYNEFONTYN NO. 1552,
MELKBOSSTRAND**

Herewith, please receive one electronic copy and one hard copy of the draft Basic Assessment Report for the abovementioned proposal.

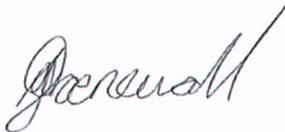
Proof of receipt of delivery:

Name: PHINDWE

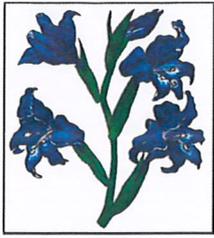
Signature: 

Date: 21/04/17

Yours faithfully,



Adél Groenewald
Environmental Consultant



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24 April 2017

Cape Nature**Scientific Services: Land Use Advice**

Private Bag X5014
Stellenbosch
7599

Attention: Mr. Rhett Smart

Dear Sir,

PROPOSED DEVELOPMENT OF A HARDENED WATER SUPPLY AND ASSOCIATED PIPING AT KOEBERG NUCLEAR POWER STATION, LOCATED ON THE FARM DUYNEFONTYN NO. 1552, MELKBOSSTRAND

Herewith, please receive one hard copy and one electronic copy of the draft Basic Assessment Report for the abovementioned proposal.

Proof of receipt of delivery:

Name: SULET GILDENTHUIS

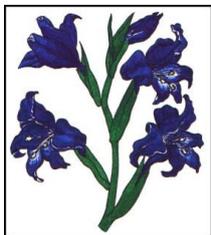
Signature: *S. Gildenthuis*

Date: 21/4/2017

Yours faithfully,

Adél Groenewald
Environmental Consultant





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Email: Lindsay@dougjeff.co.za

24 April 2017

National Nuclear Regulator

P.O. Box 7106
Centurion
0046

Attention: Ms. Louisa Mpete (Senior Specialist: Radiation Protection)

Dear Madam,

PROPOSED DEVELOPMENT OF A HARDENED WATER SUPPLY AND ASSOCIATED PIPING AT KOEBERG NUCLEAR POWER STATION, LOCATED ON THE FARM DUYNEFONTYN NO. 1552, MELKBOSSTRAND

Doug Jeffery Environmental Consultants were appointed as the independent Environmental Assessment Practitioner to undertake an Application for Environmental Authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA), as amended, and the Amendments to the Environmental Impact Assessment Regulations, 2014 promulgated on 07 April 2017, for the proposed development of a hardened water supply comprising two tanks and associated piping, hereinafter referred to as the Hardened Water Supply, at Koeberg Nuclear Power Station (KNPS) located on the Farm Duynefontyn No. 1552, Melkbosstrand.

The purpose of the proposed hardened water supply is to ensure that adequate water inventory is available at KNPS to provide for core cooling and spent fuel pool cooling to cope with an extended period (more than 14 days) beyond-design-basis loss of ultimate heat sink and/or station black-out, which could be precipitated by an extreme seismic and/or flooding event(s).

Applicant: Eskom Holdings SOC Ltd.

NEMA Listed Activity

Government Notice R. 327 (Listing Notice 1): Activity 19A, and Government Notice R. 324 (Listing Notice 3): Activities 2 and 12. The procedure for a basic assessment process is being followed.

You are hereby advised, in terms of Section 24O(2) and (3) of NEMA, that you have **30 days** to provide us with comment. **Should comments not be received within the prescribed timeframes, it will be assumed no comments are forthcoming and the Department may continue to process the application in the absence of your comments.**

Enclosed are **one hard copy and one electronic copy** of the draft Basic Assessment Report (BAR) for the abovementioned proposal.

The commenting period is from **Tuesday, 25 April 2017 – Monday, 29 May 2017.**

Please send your comments to:

Doug Jeffery Environmental Consultants

Attention: Adél Groenewald

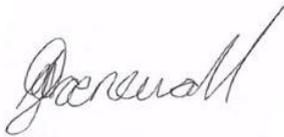
P.O. Box 44, Klapmuts, 7625

Telephone: 021 875-5272 | Facsimile: 086 660 2635 | Email: Adel@dougjeff.co.za

COMMENTS MUST REACH US ON OR BEFORE 29 MAY 2017.

Should you have any queries, please do not hesitate to contact us.

Yours faithfully,



Adél Groenewald

Environmental Consultant



STAR EXPRESS cc

REG. No. 1994/003000/23 • VAT No. 4810141343
P.O. BOX 2676, SOMERSET WEST 7129
TEL: (021) 853 0430 • FAX: (021) 853 0446



1393711

PLEASE COMPLETE ALL SHADED AREAS

Acc No.	Date:	Shipper:	Shipper ref./Waybill No.
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SENDER: DOUG JEFFERY ENVIRONMENTAL CONSULTANTS (PTY) LTD		RECEIVER: NATIONAL NUCLEAR REGULATORY	
ADDRESS: PO BOX 44 KLAPMUTS 7625		STREET ADDRESS: 420 WITCH-HAZEL AVE CENTURION	
CITY:	CODE:	CITY: PRETORIA	CODE: 0144
CONTACT: ADEL GROENEWALD	TELEPHONE: 011 875 5272	COUNTRY: SOUTH AFRICA	
SPECIAL INSTRUCTIONS:		CONTACT: LOUISA MPETE	TELEPHONE: 012 674 7100

QTY	DESCRIPTION OF CONTENTS	DIMENSIONS	VOL. Kg's	ACTUAL Kg's	TARIFF		
	2015/31 KOEBERG RESERVE						
	1x HC 1x CD	30 X 40 X 4		1			
	TOTAL						

INTERNATIONAL	
DOCUMENT COURIER	
SMALL PARCEL COURIER	
AIRFREIGHT	
ROAD FREIGHT	
OTHER	

DOMESTIC	
OVERNIGHT COURIER	
EARLY BIRD	
SAME DAY EXPRESS	
NEXT DAY	
ECONOMY CARGO	

SATURDAY	DEL	COLL
OTHER		
INSURANCE	YES	NO
INS. VALUE		
CUSTOMS VALUE		

HANDLING	
SAME DAY SURCHARGE	
SAT. DELIVERY/ COLLECTION	
NON-DOCUMENT SURCHARGE	
INSURANCE	
IMPORT CUSTOMS DISBURSEMENTS	
OTHER	
SUB/TOTAL	
VAT	
TOTAL	R

I AGREE TO BE BOUND BY THE STANDARD TRADING CONDITIONS CONTAINED OVERLEAF

SENDER'S SIGNATURE: *[Signature]*

SENDER'S NAME (PRINT): *WILSON*

CONSIGNEE'S GUARANTEE: THE CONSIGNOR GUARANTEES PAYMENT TO THE CORPORATION FOR CONSIGNMENT CHARGES IN THE EVENT THAT THE CONSIGNEE FAILS TO PAY WITHIN 30 DAYS.

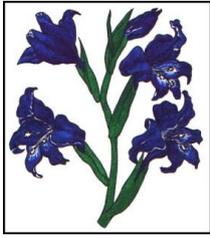
RECEIVED BY: *[Signature]*

DATE: *2014/17* TIME:

RECEIVER'S SIGNATURE: *[Signature]*

RECEIVER'S NAME (PRINT): *Diatele*

DATE: *21/04/17* TIME: *10:00*



Doug Jeffery Environmental Consultants (Pty) Ltd.

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7625
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Area Office:

PO Box 5336
Worcester
6862
Telephone: 083 2898727
Facsimile: 086 660 2635
Email: Lindsay@dougjeff.co.za

Date: 19 April 2017

Department of Environmental Affairs

Attention: Director: Integrated Environmental Authorisations
Private Bag X447
Pretoria
0001

Dear Sir/Madam,

DRAFT BASIC ASSESSMENT REPORT: PROPOSED DEVELOPMENT OF A HARDENED WATER SUPPLY AND ASSOCIATED PIPING AT KOEBERG NUCLEAR POWER STATION, LOCATED ON THE FARM DUYNFONTYN NO. 1552, MELKBOSSTRAND

Enclosed are **two hard copies and one electronic copy** of the draft Basic Assessment Report (BAR) for the abovementioned proposal.

Doug Jeffery Environmental Consultants were appointed as the independent Environmental Assessment Practitioner to undertake an Application for Environmental Authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998) (NEMA), as amended, and the Amendments to the Environmental Impact Assessment Regulations, 2014 promulgated on 07 April 2017, for the proposed development of a hardened water supply comprising two tanks and associated piping, hereinafter referred to as the Hardened Water Supply, at Koeberg Nuclear Power Station (KNPS) located on the Farm Duynfontyn No. 1552, Melkbosstrand.

A **30 day** comment period will be provided from **Tuesday, 25 April 2017 – Monday, 29 May 2017** to all potential interested and affected parties, stakeholders and authorities with jurisdiction in the area, to give them the opportunity to review and/or comment on the proposed development.

The following stakeholders and authorities were informed in writing of the availability of the draft BAR for their perusal and comment:

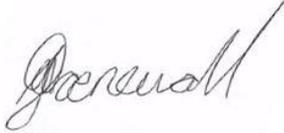
- CapeNature
- City of Cape Town
- DEA&DP – Directorate Development Management (Region 1)
- DEA&DP – Directorate: Waste Management
- Department of Environmental Affairs and Development Planning (DEA&DP) – Directorate: Pollution and Chemical Management
- Heritage Western Cape
- National Nuclear Regulator

The draft BAR will also be made available at the following places accessible to the public.

- Koeberg Public Library
- Westfleur Public Library
- Cape Town Public Library
- Koeberg Visitors Centre
- Doug Jeffery Environmental Consultants' Offices and Website

Should you have any queries, please do not hesitate to contact us.

Yours faithfully,



Adél Groenewald

Environmental Consultant



STAR EXPRESS cc

REG. No. 1994/003000/23 • VAT No. 4810141343
P.O. BOX 2676, SOMERSET WEST 7129
TEL: (021) 853 0430 • FAX: (021) 853 0446



1393712

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ADDRESS: PO BOX 44 KLAPMUTS 7625		STREET ADDRESS: ENVIRONMENT HOUSE 473 STEVE BIKO ROAD	
CITY:	CODE:	CITY: ARCADIA, PRETORIA	CODE: 001
CONTACT: ADEL GROENENWALD	TELEPHONE: 021 875 5272	COUNTRY: SOUTH AFRICA	
SPECIAL INSTRUCTIONS:		CONTACT: TELEPHONE:	

QTY	DESCRIPTION OF CONTENTS	DIMENSIONS	VOL. Kg's	ACTUAL Kg's	TARIFF		
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BAR 2x41C	1x CD	30x40x5		1.85	HANDLING		
APPFORM	TOTAL 1x CD				SAME DAY SURCHARGE		

INTERNATIONAL		DOMESTIC		SATURDAY		DEL	COLL	SAT. DELIVERY/ COLLECTION
DOCUMENT COURIER		OVERNIGHT COURIER		OTHER				NON-DOCUMENT SURCHARGE
SMALL PARCEL COURIER		EARLY BIRD		INSURANCE	YES	NO		INSURANCE
AIRFREIGHT		SAME DAY EXPRESS		INS. VALUE				IMPORT CUSTOMS DISBURSEMENTS
ROAD FREIGHT		NEXT DAY		CUSTOMS VALUE				OTHER
OTHER		ECONOMY CARGO						

I AGREE TO BE BOUND BY THE STANDARD TRADING CONDITIONS CONTAINED OVERLEAF

SENDER'S SIGNATURE <i>[Signature]</i>
SENDER'S NAME (PRINT) GIBSON
<small>CONSIGNEE'S GUARANTEE: THE CONSIGNOR GUARANTEES PAYMENT TO THE CORPORATION FOR CONSIGNMENT CHARGES IN THE EVENT THAT THE CONSIGNEE FAILS TO PAY WITHIN 30 DAYS</small>

RECEIVED BY: <i>[Signature]</i>
DATE: 20/4/77 TIME:

RECEIVER'S SIGNATURE <i>[Signature]</i>
RECEIVER'S NAME (PRINT) Betty
DATE: 24/04 TIME: 10:48

SUB/TOTAL		
VAT		
TOTAL	R	