

MINUTES

**OF THE KOEBERG PUBLIC SAFETY INFORMATION FORUM (KPSIF), HELD ON
THURSDAY, 25 SEPTEMBER 2025 AT KOEBERG NUCLEAR POWER STATION
(VISITORS CENTRE)**

Chairperson: Mrs Smokie La Grange

Deputy Chairperson: Vacant

Secretariat: Mr Lewis Phidza

RESIDENTS		
Surname and Name	Organisation	Present
Amien, Ishtiaq	Resident	
Amien, Salim	Resident	
Beaumont, Diane	Resident	
Beaumont, John	Resident	
Becker, Peter	Koeberg Alert Alliance	Online
Beyl, Trudy	Resident	Apology
Browne, Peter	Resident	In person
Bull, Jeanne	Resident	Apology
Bull, Malcolm	Resident	Apology
Coglan, Veronica	Resident	
D'Ambrosio, Tracy	Resident	
Daniels, Elizabeth	Resident	
Daniels, Mastroer	Resident	
Daniels, Shameemah	Resident	
De Vries, Gerrit	Resident	
Fiet, J	Resident	
Fiet, L	Resident	
Fuller, Lorna	Resident	
George, Delores	Resident	
Harrison, Douglas	Resident	
Hintsa, Zelda Ann	Resident	
Jones, Anneke	Resident	In person
Jones, Charmaine	Resident	
Jones, Jacobus	Resident	
Jones, John	Resident	In person
Klaasen, Gabriel	Resident	
La Grange, Duval	Resident	Apology
Lee, Anne	Resident	
Makwena, Grietjie	Resident	
Malgas, Heinrich	Resident	
Malingo, Leticia	Resident	
Mapapu, Ntombizodidi	Resident	
Mayhew, Robert	Resident	In person

Surname and Name	Organisation	Present
Mayhew, Sylvia	Resident	In person
McDaid, Liziwe	Resident	
Meyer, Judith	Resident	
Meyer, Verdun	Resident	
Mgqutyana, Nomfundiso	Resident	
Minnie, Alana	Resident	
Mothibi, Miralda Wihelmina	Resident	
Myers, Michael	Resident	
Naylor, Paul	Resident	
Ndikolo, Mazwi	Resident	
Nocker, Felice	Resident	
October, Ann	Resident	
Pannaye, Angelique	Resident	
Paries, Valerie	Resident	
Paulus, Elroy	Resident	Online
Petersen, Lydia	Resident	Online
Petersen, Maria	Resident	
Petersen, Marian	Resident	
Philander, Rochelle	Resident	
Rashalala, Mary	Resident	
Roebeck, Wendy	Resident	
Scott, Peter	Resident	
Sili, Florence	Resident	
Slabbert, Johan	Resident	Online
Smith, Renier	Resident	
Swart, Alison	Resident	Apology
Watney, Tertius	Resident	Apology
Williams, Jenny	Resident	Apology
Zeidan, Fatima	Resident	

OFFICIALS		
Surname & Name	Organisation	Present
Ahrends, Joy	Eskom Koeberg	In person
Bango, Zodwa	Eskom Koeberg	In person
Bester, Peter	NNR	In person
Cibi, Nondlimiso	Eskom Koeberg	In person
Cronje, Nardus	Eskom Koeberg	In person
Dubazana, Sibusiso	DMRE	Online
Flatela, Mvola	Eskom Koeberg	In person
Freeman, Samuel	City of Cape Town - DRM	
Jeannes, Deon	Eskom Koeberg	In person
Joshua, Debbie	Eskom Koeberg	
Kgomo, Ditebogo	NNR	In person
Kline, Kim	Eskom Koeberg	In person
La Grange, Smokie	KPSIF Chairperson	In person

Surname & Name	Organisation	Present
Lewis, Deidre	Eskom Koeberg	Online
Makgae, Reuben	NNR	In person
Malale, Disietsi	Eskom Koeberg	Apology
Maree, Vanessa	NNR	
Mashele, Bravance	Eskom Koeberg	
Mc Lean, Stacy	Eskom Koeberg	In person
Minnie, Johan	City of Cape Town	In person
Moduka, Victor	Eskom Koeberg	In person
Mogorosi, Mosala	NNR	In person
Moonsamy, Gino	NNR	Online
Motsumi, Teboho	DMRE	In person
Munsami, Nicholas	Eskom Koeberg	
Ncuru, Anele	Eskom Koeberg	In person
Ndomondo, Thembinkosi	NNR	In person
Nsilinga, Nangamso	NNR	In person
Ntuli, Velaphi	Eskom Koeberg	Apology
Pemba, Siphokazi	Eskom Koeberg	In person
Peters, Owen	Eskom Koeberg	
Phidza, Lewis	Eskom Koeberg	In person
Pie, Thabiso	DMRE	In person
Pienaar, Shaun	Eskom Koeberg	
Plaatjies, Amicha	Eskom Koeberg	In person
Stephanus, Aminah	Eskom Koeberg	
Thomas, Mandy	City of Cape Town	In person
Touffie, Sadika	Eskom Koeberg	
Van Schalkwyk, Tobie	Eskom Koeberg	
Vrey, Marius	WCG Agriculture	Online
Xaso, Simphiwe	Eskom Koeberg	In person

DEFINITIONS			
Word/s	Description	Word/s	Description
Accident	An unintended event, including operating errors, equipment failures or other mishaps	Disaster Management	A continuous and integrated multi-sectorial, multi-disciplinary process of planning and implementation of measures aimed at a) Preventing or reducing the risk of disaster b) Limiting the severity or consequences of disasters c) Emergency preparedness d) Responding rapidly and effectively to disaster, and Post-disaster recovery and rehabilitation
Emergency	An event that requires taking prompt action, or the special regulation of persons or property, to limit the risk to people's health, safety, or welfare, or to limit damage to property or the environment	Emergency Plan	A document describing the organisational structures, its roles and responsibilities, concept of operation, means and principles for intervention during an emergency at Koeberg

DEFINITIONS			
Word/s	Description	Word/s	Description
Evacuation	The rapid, temporary removal of people from the area to avoid or reduce short-term radiation exposure in the event of an emergency	Megawatts (MW)	A unit of measure - one megawatt is equal to one million watts
Millisievert (mSv)	A measure of the absorption of ionising radiation by the human body	National Electricity Grid	The network of high-voltage power lines fed by the various power stations, which supplies electricity to the country
Outage	The maintenance period on a power plant when several activities are performed on equipment that keeps the plant running	PGA / Pga / pga	Measured in units of g (standard earth gravity) which is equal to 9.81 m/s ²
Public Notification	Notification to the public of an emergency and the appropriate protective actions to be taken by using the installed siren and loudspeaker system, as well as local authorities, local radio, and television station	Radiation	Energy released in the form of particles or electromagnetic waves during the breakdown of radioactive atoms
Release	The controlled or accidental discharge of radioactive substances into the environment	Sheltering	A protective action whereby members of the public stay indoors with windows and doors closed, to reduce their exposure to radioactive material in an emergency
Abbreviation	Description	Abbreviation	Description
AFI	Area for Improvement	AECC	Alternate Emergency Control Centre
CCGT	Closed Cycle Gas Turbines	CCT	City of Cape Town
CISF	Centralised Interim Storage Facility	CPA	Consumer Protection Act
CSB	Cask Storage Building	DOC	Disaster Operations Centre
ECC	Emergency Control Centre	EIA	Environmental Impact Assessment
EMP	Environmental Management Plan	EP	Emergency Plan
EPSOC	Emergency Planning Steering and Oversight Committee	EPZ	Emergency Planning Zone
FC	Functional Coordinator	FME	Foreign Material Exclusion
IAEA	International Atomic Energy Agency	ICCP	Impressed Current Cathodic Protection
INPO	Institute of Nuclear Power Operations	IPP	Independent Power Producer
ISO	International Standards Organisation	KCWIB	Koeberg Cooling Water Intake Basin
KEP	Koeberg Emergency Procedure	KNEP	Koeberg Nuclear Emergency Plan
KNPS	Koeberg Nuclear Power Station	KPSIF	Koeberg Public Safety Information Forum
LTI	Lost Time Injury	LTO	Long Term Operation
NATJOINTS	National Joint Operational and Intelligence Structure	NECSA	South African Nuclear Energy Corporation SOC Limited
NERSA	National Energy Regulator of South Africa	NNR	National Nuclear Regulator
NOSA	National Occupational Safety Association	NOSCAR	The grading of NOSA for safety performance

NRWDI	National Radiation Waste Disposal Institute	NSRB	Nuclear Safety Review Board
OCA	Owner Controlled Area	OEM	Original Equipment Manufacturer
PAZ	Precautionary Action Zone	PGA / Pga / pga	Peak Ground Acceleration
PSGM	Power Station General Manager	SABC	South African Broadcasting Corporation
SAMG	Severe Accident Management Guideline	SAPS	South African Police Service
SFP	Spent Fuel Pool	SGR	Steam Generator Replacement
SHEQ	Safety Health Environment and Quality	TEM	Traffic Evacuation Model
UPZ	Urgent Protective Action Planning Zone	VPSIF	Vaalputs Public Safety Information Forum
WANO	World Association of Nuclear Operators		

1. WELCOME AND OPENING

The Chairperson, Mrs. La Grange, welcomed the attendees and opened the Koeberg Public Safety Information Forum (KPSIF). A special welcome was extended to the NNR CEO, Ms. Ditebogo Kgomo.

2. SAFETY BRIEFING

Mr Phidza conducted the safety briefing. Emphasis was made to the several types of emergency exit points, assembly points, and the smoking area.

3. APOLOGIES

Apologies were recorded (refer to pages 1–3).

4. APPROVAL OF THE MINUTES

4.1 KPSIF held on 27 March 2025

The Chairperson mentioned that since she never received Mr Mayhew's changes to the Minutes of the Forum held on 27 March 2025, the Minutes were accepted.

The Minutes were proposed by Mr Mayhew and seconded by Mrs La Grange.

4.2 KPSIF held on 26 June 2025

The Minutes of the KPSIF, which was held on 26 June 2025, were accepted with the following amendments.

Page 3: Mrs. Mandy Thomas was present (in person) at the Forum.

Page 10 "Mr Apollis" should be "Mr Paulus"

Page 13. "Mr. Brown" should be "Mr. Browne"

The Minutes were proposed by Mr Browne and seconded by Mrs. La Grange.

5 MATTERS ARISING FROM PREVIOUS MINUTES

5.1 Update of KPSIF Deputy Chairperson Position

Mr Moonsamy, NNR Manager for Communications and Stakeholder Relations, reported that the deputy chairperson position was re-advertised on 9 July 2025 in *Die Burger*, *TygerBurger*, and *Tabletalk*, but no public nominations were received. He noted that the role has been advertised four times without success and requested members to suggest a way forward. The Chairperson indicated she would consult her counterparts to identify a suitable candidate for the KPSIF deputy chairperson position.

Mr Mayhew inquired about the responsibilities of the deputy chairperson. The Chairperson explained that the role involves assisting the chairperson in an administrative capacity as outlined in the Terms of Reference.

6 PRESENTATIONS

6.1 Koeberg Quarterly Feedback

Mr Jeannes, Koeberg Middle Manager Safety Risk conducted a presentation on the Koeberg quarterly feedback. Emphasis was made to the following:

Plant Safety And Reliability Status (No new risks to report)

a) Unit 1

- Day 205
- Outage delays extending the return of the unit

b) Unit 2

- 184 days online
- Reactor at 99.3% Power

- Production risks remain the elevated sodium and defective steam generator level control

Koeberg Unit 1 – Outage 127 Status Update

Duration and state 150 Days with target return to service date of 6 October

Plant state is refueling shutdown (RSD), reactor refueled

Progress status · Repairs on the defective pressurizer heater completed

Hardened Water Connection modification (ASG part 1) completed.

Safe positioning of the Reactor Vessel Lower Internals and

Televsual Inspections

Generator modification and cold commissioning completed

The secondary feed-water systems are under long recirculation.

Core reload completed

Risk related to outage Hardened water connection modification Continuous challenges.

Equipment failures occurred during the startup phase

Radiological Safety: Public Dose

Salient Points

- Analysis of current performance
- Less than 1% of NNR public dose constraint of 0.25 mSv
- Stable performance well below legal limit
- Radioactive discharges less than 20% of limits
- No uncontrolled or unplanned radioactive discharges

Koeberg noteworthy events

1) Koeberg hosted the following public awareness and information sessions:

Western Cape · 8 July (Athlone)

10 July (Atlantis)

16 July (Table View)

Northern Cape 22 July (Concordia)

24 July (Garies)

2) Eskom GCE/GE visit (20 August)

- GCE and GE Engaged Koeberg leadership on matters related to outage oversight

3) WANO VISIT (1-5 September)

- peer review

4) WANO Team (22-26 September)

- peer review pre-visit

5) NRWDI Licence handover (22 September)

- The official handover, the Minister of the Department of Electricity and Energy, Dr Kgositso Ramokgopa, and Deputy Minister Samantha Graham-Maré, followed the successful attainment of the NIL-43 licence from the South African Nuclear Energy Corporation's (NECSA) management to the National Radioactive Waste Disposal Institute (NRWDI) to ensure the continuous safe and responsible disposal of radioactive waste from Koeberg Nuclear Power Station.
- Team Koeberg proudly represented Eskom at community meetings hosted by the Ministry of Electricity and Energy and the Provincial Government of the Northern Cape Namakwa District Municipality in Rooifontein and Springbok, Northern Cape

6) Women and Girls: the (In)Visible Force of Resilience' Programme (8 May)

- The CCT Disaster Risk Management Centre hosted a resilience-training programme for a group of nineteen teenagers from LEAP High School in Langa
- This programme equipped them with the knowledge and skills needed to assist communities during times of disaster. The 'Women and Girls the (In)Visible Force of Resilience' Programme, which was launched by

the United Nations Office for Disaster Risk Reduction, aimed to empower young women in disaster management. Participants took an educational trip to the Koeberg Nuclear Power Station to learn about the role of nuclear energy in relation to climate change. They also visited the Steenbras Dam, gaining insights into hydroelectric power generation and its significance in sustainable energy practices. The programme addressed the importance of including disability considerations in disaster management planning, ensuring that all community members are accounted for during emergencies.

7) Update on Koeberg Emergency Plan

The Integrated Koeberg Nuclear Emergency Plan (IKNEP) is still viable and still exercised regularly.

The following EP exercises were conducted, with one including the CCT and offsite facilities.

- 19 August 2025
- 28 August 2025
- 4 September 2025
- 11 September 2025
- 18 September 2025

8) NNR LTO Public Hearing Schedule

Northern Cape Garies (29 September)
 · Concordia (30 September)

Western Cape Athlone (2 October)
 Tableview (3 October)
 Atlantis (4 October)

Concluding remarks

- Koeberg Nuclear Power Station continues to operate safely and reliably
- Koeberg Priority Focus Areas Completing Outage 127 execution and preparing for Outage 227

- Successful completion of Unit 1 ILRT
- The emergency plan is regularly exercised to continuously prove viability and identify areas for improvement

Questions raised from the presentation:

Question 1:

Mrs. Mayhew asked if the lessons learned (for example, replacements of tubes) from previous Outages are considered prior to the next Outages

Response:

Mr Jeannes responded that all the lessons learned will be considered for upcoming Outages

Question 2:

Mrs Mayhew asked for clarity pertaining to the statement “something went down.”

Response:

Mr Jeannes responded that one of the steam generators’ sensors was not reliable therefore the Unit operations (but not safety) were at risk

Question 3:

Ms Mayhew asked if the Outage was 70 days over, and is it because of what was done at the major overall?

Response:

Mr. Jeannes responded, yes, the Outage had a large workscope, encountered unexpected issues that were not necessarily planned for.

Question 4:

Mr Mayhew stated that WANO visits Koeberg on a regular basis to conduct inspections Will the issues identified by WANO be presented at KPSIF?

Response:

Mr Phidza responded that WANO’s feedback will be shared with the KPSIF members, as part of the quarterly feedback.

Question 5:

Mrs Petersen asked if the tubes are redundant and why the Integrated Leak Rate Test (ILRT) was only scheduled for next year

Response:

Mr. Jeannes responded that the ILRT is only done during outages. The tubes are in the steam generator, and it is expected to manage the aging / managing of the tubes. The robust inspection programme to pick up and trend degradation and to take the necessary actions when required

Question 6:

Mrs. Petersen asked if the ILRT was crucial for the licence extension

Response:

Mr Bester responded that the ILRT is one of many tests that are done to confirm and verify performance of systems at KNPS With regards to the LTO, the safety case (which is available to the public) is considered and elements of the safety case in order to inform the NNR's decision

Mrs. Petersen expressed her concern that Eskom could not answer the question she posed.

Question 7:

Mr Mayhew asked clarity pertaining to the handover of the Vaalputs Waste Disposal site.

Response:

Mr Phidza responded that the Vaalputs Radioactive Waste Disposal facility used to be owned by NECSA management, and the NIL-43 licence was handed over to the National Radioactive Waste Disposal Institute (NRWDI) to ensure the continuous safe and responsible disposal of radioactive waste from Koeberg Nuclear Power Station

Question 8:

Mr Paulus asked if a written seismic report be provided about the 5.3 richter scale earthquake that occurred in Brandvlei (near to Vaalputs) on 22 December 2024.

Response:

Mr. Phidza advised that the question be directed to NRWDI at the next KPSIF/VPSIF meeting, as Eskom cannot comment on sites it does not own or operate.

6.2. NNR Regulatory Emergency Exercise Findings (Feedback)

Mrs Ncuru, Koeberg Emergency Management Manager, and Mrs. Thomas, CCTDRM Head Special Planning and Critical Infrastructure conducted comprehensive presentations on the corrective actions that will address the non-compliances from the 2024 Regulatory Nuclear Emergency Exercise

Questions raised from the presentation:

Question 1:

Mr Mayhew asked what the purpose of a dosimeter is

Response:

Mrs. Thomas responded that it is an instrument to assess the cumulative dose of radiation exposure to an individual

Question 2:

Mr Paulus asked how long it takes to frisk 1000 people (bearing in mind that +- 250,000 individuals stay in the 16km) How many MCC does the CCT have to set up?

Response:

Dr. Minnie explained that MCCs are pre-identified and that frisking an individual takes approximately three minutes. With 20 friskers, up to 400 people can be processed per hour Not every person will be frisked if the individuals are transported in the same bus to an MCC In addition, Dr Minnie stated that the staffing for the first MCC is about 93 officials, whereafter additional MCC's can be established with about 28 officials per MCC The CCT will actively encourage members of the public, who are not at risk/not exposed to radiation, to not make use of MCC's and rather find shelter with friends and families.

Question 3:

Mr Paulus stated that Dr. Minnie's response is based on a scenario. Is it the general standard overview for all kinds of disasters or is this for a particular scenario? If the scenarios get progressively worse, what are the appropriate responses?

Response:

Dr. Minnie stated that Disaster Management works on an all-hazard approach. There is a standardised basic generic response structure and methodology for all hazards, enhanced with hazard-specific measures based on the scenario, including magnitude and severity. Having to evacuate the public located downwind will be worse case in terms of a nuclear incident.

Question 4:

Mr Mayhew asked what is done with the navy relocating to Bloemfontein.

Response:

Mrs Thomas responded that the navy informed the CCT DRM that they have trained inexperienced staff members that are situated in Simonstown.

Question 5:

Mr Mayhew asked what the term "frisking" meant.

Response:

Dr. Minnie responded that it is a process of using a handheld probe/fixed monitor to scan a person/object for radioactive contamination.

It was concluded that a demonstration of the frisking device will be conducted at the next KPSIF (20 November 2025).

7 GENERAL

7.1 Duties of CCT Fire Services in the event of a nuclear Incident

The Chairperson indicated that the CCT Fire Services may deliver a presentation on their responsibilities in 2026.

7.2 Scaling calculation on emergency drill

The Chairperson noted that she had received an email from Mr Becker regarding his previous request, which was not recorded in the minutes, concerning the emergency

drill conducted at an MCC In addition, Mr Becker requested that the CCT DRM provide a report on the scaling calculation of the emergency drill held at the next KPSIF meeting

The Chairperson confirmed that most of Mr Becker’s concerns (stipulated in the email) had already been addressed during this Forum.

7.3 Court case – incident occurred (18 October 2024)

Mr Xaso, Koeberg Security Manager informed the members that the case will take place on 17 November at the Regional Atlantis Court The merit of the case cannot be divulged, because the case is still underway.

7.4 Date of next KPSIF

The next KPSIF meeting will be held on Thursday, 20 November 2025, at the Koeberg Visitors Centre For safety reasons, all future KPSIF sessions will take place at Koeberg rather than Tableview, as previously requested Alternative venues will only be considered once members safety can be fully assured

8. PROPOSED AGENDA ITEMS FOR THE NEXT KPSIF

The following items may be discussed at the next KPSIF

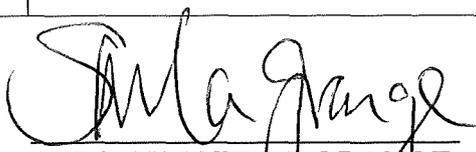
- Koeberg Quarterly Feedback - Eskom
- Nuclear Waste Management (incl Spent fuel pool) - Eskom
- Nuclear Waste Management Disposal - NRWDI

9. CLOSING

The Chairperson thanked the attendees for their contribution and adjourned the KPSIF at 20 30.

KPSIF Action item list – 25 September 2025

No.	Action	Responsible	Due date	Status
1	Conduct a demonstration of the frisking device	Eskom	2025/11/20	


MRS SMOKIE LA GRANGE
 (Chairperson)

03 December 2025
 (Date)