

## Koeberg Public Safety Information Forum

**Date:** 27 June 2013

**Venue:** Nuclear Auditorium – Bulk Stores, Koeberg Nuclear Power Station

**Chairperson:** Ms Smokie La Grange

**Deputy Chairperson:** Vacant

<b>ATTENDEES</b>	<b>REPRESENTATIVE ORGANISATION</b>
Mr D La Grange	Resident
Mr D De Waal	Resident
Ms T Johnson	Resident
Mr K Johnson	Resident
Mr R Windvogel	Resident
Mr R Williamson	Resident
Mrs Williamson	Resident
Mr I Iosiphakis	Resident
Mr M Meyrick	Resident
Mr J Taylor	Resident
Ms C Kleynhans	Resident
Mr M Simon	Resident
Ms M Jansen van Vuuren	Ward 23 Councillor (Tableview/Melkbosstrand/Cape Farms, Sunningdale North, Parklands, Big Bay, Bloubergstrand)
Mr D Rademeyer	Resident
Mrs A Fritz-Whyte	Resident
Mr Solomons	Resident
<b>OFFICIALS</b>	<b>DESIGNATION/ORGANISATION</b>
Mr L Phidza	Stakeholder Management Manager – Eskom Koeberg
Mr D Aploon	Koeberg Power Station Manager (Acting)
Mr G Moonsamy	National Nuclear Regulator (NNR) Stakeholder Management Manager
Mr S Pienaar	Communication Officer – Eskom Koeberg
Ms C Powell	City of Cape Town Disaster Risk Management
Mr I Trollope	Emergency Management – Eskom Koeberg
Ms L Makgae	Senior Advisor Stakeholder Management – Eskom
Mr T Hill	National Nuclear Regulator
Mr G Pillay	City of Cape Town (CoCT) Disaster Management
Ms P Radebe ( <b>Secretary</b> )	Assistant Communication Officer - Eskom Koeberg

## 1. Opening and welcome

The Deputy Chair welcomed everyone to the meeting. Mr Lewis Phidza, Koeberg Operating Unit Stakeholder Management Manager, conducted the safety evacuation briefing, informing attendees about the safety protocol of the venue.

## 2. Corrections on the previous meeting minutes of 14 March 2013

- Ms to Mrs Mayhew
- Ms to Mrs Williamson
- Add Dr to Elmién Steyn

## 3. Apologies for June 2013 meeting

*The following apologies were tendered:*

- Mr John Taylor (Melkbosstrand Rate Payers Association/ Neighbourhood watch)
- Dr Elmién Steyn (City of Cape Town)
- Steven van Rensburg (City of Cape Town)

## 4. Acceptance of the minutes of the previous meeting (14 March 2013)

The minutes were accepted by Mr Iosiphakus and seconded by Mr Pillay.

## 5. Koeberg Quarterly Plant Status feedback by Mr Darryl Aploon (Acting Koeberg Power Station Manager)

### 5.1 Plant status overview

- High level illustration of Koeberg's three-loop cycle
- Unit 1 is operating at 99.2% full power. The unit power was reduced to 70% on 27 May 2013, due to a condenser tube leak. The tube was subsequently repaired by plugging it, and Unit 1 was restored to full power with no further concerns.
- Unit 2 is operating at 99.2%. There is a non-flammable oil leak on the excitation transformer. During circuit testing conducted in May 2013, it was found that one of the valves wouldn't open properly. The unit was then powered down to 50%, re-tested and safely returned to full power.
- A special team, the Nuclear Excellence Team (NEXT), was formed to improve the way the station operates. NEXT is a management team focussed on making improvements to Koeberg's work management processes.
- The National (electricity) Grid remains tight; we therefore encourage consumers to use electricity sparingly.

**Question by Ms Fritz-Whyte**

What is the volume of the oil leaking on Unit 2?

**Answer by Mr Aploon**

The oil is topped up with approximately five to six litres every 24 hours.

**Comment by Ms Fritz-Whyte**

That's quite a significant amount of oil.

**Answer by Mr Aploon**

All the oil coming out of the transformer is captured in a catchment funnel.

**Question by Ms Fritz-Whyte**

What happens with the disposed oil?

**Answer by Mr Aploon**

The disposed oil goes back to the supplier for further analysis and final disposal.

**Question by PSIF Chairperson**

A site alarm was audible within Melkbosstrand and wasn't immediately identifiable. Is it possible to publish such alarm notices on the Rate Payers Association website?

**Answer by Mr Aploon**

This is a good idea. We also need to understand what the alarm was because we do standard siren testing on Thursdays as well as fire drills for those on training.

**Comment by resident**

I can assist Koeberg to self-load the information on the Rate Payers website.

**Question by resident**

At the moment we're using the maximum power available to the country. How does this affect further developments? Surely there are still a lot of people without electricity and businesses which are planning to expand. How are we going to achieve all this without power?

**Answer by Mr Aploon**

We normally plan our maintenance for the summer season, however from this winter we are carrying on with well needed maintenance. It is a balancing act. We believe that all the users will have electricity; however we encourage them to respond to the daily television tips and save electricity accordingly.

**Question by Mr Solomons**

What is meant by long-term?

**Answer by Mr Phidza**

Eskom is embarking on the Build Programme, which is currently underway and will run until 2030. We are currently building three power stations and they'll supply more than 10 000MW. We're expecting some of these power stations to start coming online from 2014. We're expecting one unit from Medupi Power Station to be available next year. These three power stations will gradually come online until 2017/18. Over and above this, we have another capacity plan which will take us up to 2030. We're looking towards doubling the current capacity of Eskom.

The Department of Energy (DoE) issued a statement that the current Integrated Resource Plan (IRP) is under review. The current IRP talks about doubling the country's electricity capacity (Eskom's current total output) The review and comments on the updated IRP(2013) are expected to be finalised by end of this year, as per DOE 2013 Energy Portfolio Committee briefing.

**Question by Mr Solomons**

Has there been any consideration to investigate the community projects which take some of the domestic use of electricity off the national grid, such as making use of solar power, etc.

**Comment by PSIF Chairperson**

This can be addressed under General.

**Question by resident**

Will the oil leak be taken care of in the next outage?

**Answer by Mr Aploon**

Yes. We have a spare transformer already positioned in the vicinity of the component. We've also prepared work packages and spares. Once the unit is offline, we will do the swap out. We cannot shut the unit down now to perform the job due to the power shortage. However there is no nuclear safety concern at the moment.

**Comment by resident**

The slide before this said that there were no challenges. If the oil leak continues something has "got to give."

**Answer by Mr Aploon**

When this oil leak started manifesting itself, we didn't have an idea of the worst case leak rate. The transformer is enclosed as it is high voltage (24 000 volts), so it is not easy to enter due to the safety risk involved. We have, however, trended this to see how bad the leak was. It has come up and flat-lined. From where it has flat-lined currently, we can make predictions with regard to obtaining oil from suppliers, disposing of the oil that has leaked out, and we are able to maintain this until the next outage or until the unit comes down by itself and we can then replace the transformer.

**Question by resident**

Do you have some kind of measure in place in case something happens that you don't expect?

**Answer by Mr Aploon**

Yes, we have an operational decision-making tool. For any issue you have, it looks at the boundaries you put around it – when you exceed that boundary, when you shut down, how you shut down, who you tell, what you do, and it has trigger points between that point and where you are now. It goes through a very rigorous review with Operating, Engineering and Maintenance involved. We have a forum where we go through all of these contingencies.

**Question by Mr Williamson**

About two weeks ago, there was a water pipe burst in town. I believe it also affected Koeberg. What would have happened if it took them a week to fix it? How would you have managed?

**Answer by Mr Aploon**

The water we receive from the City is stored in two 10 million litre potable water tanks. Our consumption is about 250 tons per day. If you compare 20 million litres versus 250 tons, we could carry on for quite some time before it became an issue, and that is over and above the water which is already processed and stored in our tanks on site.

**6. NNR progress report on the implementation of the Emergency Plan Exercise findings – Dr Tim Hill**

- The “Integrated Koeberg Nuclear Emergency Plan” (KAA-811), which was approved by the NNR, incorporates a suite of supporting documents or procedures which are implemented when an emergency response is initiated. The implementation of these procedures was monitored by the NNR Umpires during the exercise which took place on 5 September 2012.
- The purpose of the exercise was to test the licence holder and the intervening organisations in terms of their co-ordinated response to the simulated emergency, compliance to procedures and readiness of facilities and equipment.

The NNR concluded that the overall co-ordinated response of the holder and the intervening organisations to the simulated emergency, including compliance to procedures and readiness of their facilities and equipment, was acceptable. There were, however, a number of findings and observations requiring corrective action by Eskom and the intervening organisations.

All findings have been corrected by the parties involved, accepted and closed by the NNR in 2012.

**Question by Mr Williamson**

In NNR opinion, do you think half of these issues would not have happened in a real situation?

**Answer by Dr Hill**

Some of the issues such as signing sheets are things which can happen anytime. In a real event you'll have a lot more time as opposed to the compressed time in an exercise. A lot of these things could have been picked up in audits and inspections and not in an exercise. There may be a way we can do things differently like inspections and audits. However, these are not findings which make the exercise unworkable.

**Comment by Mr Moonsamy**

It's a difficult assumption to make that in a real scenario we wouldn't get these findings. One can say these exercises serve as a constant reminder that we shouldn't be complacent. It might look insignificant on the surface but if you look at the overall objective, it seeks to achieve constant repetition or reminding.

**Question by Mr Williamson**

Do you think a lot of the findings are caused by changes and movement of staff?

**Answer by Dr Hill**

Certainly. New people may not have been adequately trained. It happens everywhere. You have new guys coming in and they haven't picked up everything yet. This exercise isn't something you do every day. It is unique to Koeberg. For any other accident in Cape Town you're doing other things, not this.

**Question by resident**

This is what Koeberg does, so they should be experts. Communication and procedures are two things in an organisation that cannot be incorrect. If they're not getting such little things right, how do they expect it to filter down into the surrounding communities like Melkbosstrand and how does it affect the communities?

**Answer by Dr Hill**

Only one of the findings was Koeberg-related, the others related to the other intervening organisations.

**Comment by Mr Phidza**

Just to contextualise the NNR findings report, it was an observation not a finding that it is a best practice for all who are attending press conferences to have all press releases (including updates) in their communication packs. However due to the fact that the NNR brought the delegation for the press conference (this is not how the procedure works), as a result some members of the delegation did not have the latest press release in their information packs. However, the spokespersons shared all the information in detail, including the latest updates as per updated press release.

**Comment by Councillor Jansen van Vuuren**

We must be objective. If something happens in Melkbosstrand, the City of Cape Town will bring in all the relevant forces, for example, the army, traffic controllers etc. The whole of Melkbosstrand will be evacuated by busses and cars. All the relevant stakeholders will be involved, such as the army, therefore the press release should not be made the primary thing.

**Question by resident**

The focus is not on the press release but about everything which has been highlighted thus far. Referring to the comment by the Chairperson about the alarm that was sounding and the people in Melkbosstrand not being aware what it was about, are there measures in place to ensure no repeat findings?

**Answer by Mr Trollope**

It's a little embarrassing to say things like the doors were not closed in the facility. At least seven times per year we drill our full Emergency Plan. There are six operating shifts including Radiation Protection, Security and different intervening organisations, such as City of Cape Town, National Defence Force, and so on. Everybody comes together and we exercise our over 4, 5 00 (four thousand five hundred) strong personnel who are backing the plan from multi organisations and different spheres of government. The NNR have their opinion on the doors, and I have mine. We can't simulate everything. However, we take these findings seriously and everything we implement speaks to this, so you shouldn't see repeat findings.

**Question by resident**

We've got a very active Melkbosstrand Ratepayers Association going. We'd appreciate the community being integrated into these exercises or the process of testing of the alarms.

**Answer by Mr Trollope**

Yes, we can build that into the programme.

**Question by resident**

We're looking to implement a street captain's project in the community. If you can reach the street captains they will assist with providing the contact details of the people in their street.

**Comment by Councillor Jansen van Vuuren**

It's a good idea to use for every disaster. It has been implemented in West Beach and other areas. However, we must be very cautious as you cannot go on the Melkbosstrand Ratepayers Association site and evacuate the people unnecessarily. We need to work with all the stakeholders on an effective plan.

**Answer by Mr Trollope**

I agree with the idea. It would work because when we perform testing we specify that this is a test. We will usually issue a notice to say whether or not there are planned tests for the day. So if people hear an alarm during the day they would know that it's a test.

**Answer by Mr Phidza**

We are looking at integrating information about when and why we conduct siren tests in the 2014 Koeberg Emergency Plan Calendar. In cases where it is an emergency or unplanned testing, we will communicate accordingly

**Answer by Councillor Jansen van Vuuren**

All the neighbourhood watches: West Beach, Table View and Melkbosstrand will be included in the calendar.

**Question by Mr Trollope**

To clarify, we are referring to the plant sirens and not the annual siren testing?

**Answer by PSIF Chairperson**

Yes.

**Comment by resident**

This would help in the event of an emergency because residents would know that there is a strategy and that we are included in the strategy. That could become a valuable resource in emergency planning.

**Question by Ms Fritz-Whyte**

Is it correct that in the event of an emergency not all the people within the area can be evacuated in time? This is directed to Mr Trollope and Dr Hill.

**Answer by PSIF Chairperson and Mr Trollope**

No, it is not correct.

**Question by Ms Fritz-Whyte**

Has it been simulated?

**Answer by Mr Trollope**

Yes it has been simulated. There is a traffic evacuation model which is the closest we can get to actually simulating an evacuation. Currently the NNR requires that we have to be able to evacuate up to 5km within four hours, up to 16km within 16 hours, and as per that model we do meet these requirements.



**Comment by PSIF Chairperson**

We've previously had this topic and the Department of Transport joined the meeting and presented a comprehensive Traffic Evacuation Model Plan. We've been working on this with the community for the last two years. This presentation will be made available to the Public Safety Information Forum members.

**Comment by Ms Fritz-Whyte**

Your evacuation is based on certain numbers for this area. We all know that this town is restricted in terms of the amount of houses and people, for a very good reason. Now we are hearing about developments in Wolwerivier planned for the area that adds to the burden.

**Answer by Councillor Jansen van Vuuren**

This is a City issue and must be kept as that. There are already people staying in Wolwerivier. The blocks in the roads will block the development before it gets to Melkbosstrand. No one can get into Melkbosstrand. Wolwerivier has nothing to do with Melkbosstrand.

**Question by Ms Fritz-Whyte**

Is it not part of the evacuation zone?

**Answer by Councillor Jansen van Vuuren**

Yes, but we can't solve it here. Wolwerivier is on the other side. In the event of an emergency, the focus will be where the plume will be heading which is probably totally on the northern side.

**Comment by PSIF Chairperson**

This has been an on-going situation for two years. The information will be provided to the meeting and I will direct you to the correct people to speak to with regard to this issue. This forum is for matters relating to Koeberg Public Safety.

**Question by Mr Meyrick**

As a member of the public constantly attending the PSIF and living in the 16km zone, I'd like to know whether you have a list of all the stakeholders and interested parties. As far as I'm concerned, and as an unbelieving member of the public, you could have concocted all of that. None of the local people have actually been invited, such as the farmers.

**Answer by Mr Moonsamy**

I hear your concern. Within this regulatory emergency exercise where we test Eskom's effectiveness we have a VIP programme, which runs as part of the exercise. That VIP programme is made up of members of the public, media, affected stakeholders, international observers and government officials. I hear that you have not been invited - we can invite you to the next exercise.

**Question by Mr Meyrick**

In the Atlantis area there are Resident Associations. Surely they can also be invited?

**Answer by Mr Moonsamy**

I do agree that we could increase our invitee list to a broader constituency. We will do that in future. You might not have been on the list in the past but there are people in the forum, including Atlantis who has been a part of the exercise in the past.

**Answer by Councillor Jansen van Vuuren**

I have been one of the invited members.

**Answer by Mr Meyrick**

But you're not a member of the public.

**Question by Councillor Jansen van Vuuren**

Is Mull Marrow one of your guys? There are Atlantis Councillors which I can assist you to work through.

**Answer by community member**

We don't want councillors there because they are not part of the public, but part of the system.

**Answer by Councillor Jansen van Vuuren**

Not as a councillor, it's a councillor in another area to get them involved via e-mail.

**Answer by PSIF Chairperson**

If you'd like to participate, it can be arranged.

**Answer by PSIF Chairperson**

I hear you. However, this is the Koeberg PSIF.

**Question by resident**

Regarding the Traffic Evacuation Model (TEM) and its approval by the NNR, I believe it has been in the works for some time. We, as the Department of Economic Development and Tourism are approached by businesses who want to operate in the area and are frustrated by the complete moratorium on any development pending the approval of the TEM. I believe it will be assessed on 7 July 2013. Our concern is, when will the process be finalised, so they know whether they will be allowed to set up shop?

**Answer by Dr Hill**

We hope we're going to meet that date. However, we are positive that we will meet the deadline. Bear in mind it doesn't mean it will be approved. It means that an assessment will be done and we might still have comments.

**Answer by PSIF Chairperson**

It's still in the process. We can put it on the agenda for the next meeting.

**Comment by Mr Williamson**

That particular information is very sensitive, and I think it is important to ensure that the residents are the first to hear about it, if it should ever be released.

**Question by Mr Rademeyer**

When will a decision be taken on the TEM?

**Answer by Dr Hill**

By 7 July 2013, we would have done the second assessment. The first assessment took place during December last year. It was submitted to the City of Cape Town for review and they responded with corrective actions which we're now assessing. One of the biggest problems identified is them being able to demonstrate that they can implement a phased evacuation process within a certain amount of time and avoid having people stuck in traffic for 10–15 hours as that wouldn't be an acceptable evacuation plan.

**Answer by PSIF Chairperson**

This has also been a concern at this forum. Mr Mayhew who is unfortunately absent tonight has been working to get such results. We will put it on the agenda.

**7. Feedback on the position of the PSIF Chair and Deputy Chair – Mr Gino Moonsamy (NNR)**

- Ms Smokie Le Grange has been appointed as Chairperson of the Koeberg PSIF by the NNR Board. She was previously the Deputy Chairperson. There are constant challenges to get dedicated people. Smokie has been very willing and we want to take the opportunity to thank her.
- The nomination for the Deputy Chairperson was Mrs Kleinhans. The nomination was put forward by the PSIF Chairperson and seconded by a resident
- The Regulator has initiated a civil society and affected party communication programme. The purpose is to engage civil society and interested parties in Gauteng, Western and Northern Cape - separate from the Koeberg PSIF. This is just an announcement to the public. This is a new initiative not just for the 16km zone but also for the broader Cape Town public to create alignment of what the regulator does and to listen to society's concerns from an objective view. The PSIF database will be used to send out invitations.

## **8. General**

### **Question by Mr Williamson**

What is Koeberg's involvement in the Melkbosstrand community? It would be nice to see Koeberg sponsoring a project so that Koeberg is not just seen as a threat but as contributing socially.

### **Answer by Mr Phidza**

Yes we are, and every now and then we do ask ourselves that difficult question of how we can respond to the needs of the community next to us. We are however guided by Eskom policies and our Social Investment Strategy and budget. We've recently received a proposal from Melkbosstrand with regards to a sponsoring the installation of security cameras in the area, we reviewed it, but unfortunately it did not qualify for sponsorship as per Eskom CSI guidelines.

### **Comment by Councillor Jansen van Vuuren**

Inform them about the assistance being given by Eskom to curb the Duynefontein burglaries.

### **Answer by Mr Phidza**

We've been in constant contact with Councillor Jansen van Vuuren and some of the community leaders with regard to the needs of the community. We have considered a few options we can do on our side to be a good citizen, such as cooperating with Duynefontein residents; police and other key stakeholders with regards to reducing the house break-ins in the area next to the power plant. We're also looking at how we can assist the Melkbosstrand School for example with proper grounds.

In some of the programmes our own staff, such as engineers and artisans, etc. get involved in the community initiatives. We are currently running a project called Study Buddies where our young engineers provide tutoring classes to high school learners focussing on Maths (pure mathematics, excluding maths literacy) and Physical Science including Chemistry over the weekends.

All these are governed by Eskom Community Social Investment (CSI) Policy with certain guidelines that outlines funding parameters and focus areas, as well as exclusions. The challenge is that the needs are increasing but the resources remain scarce. If you need support or financial assistance for a community project, you should approach us, and within the framework of our policy requirements, we will assist where possible.

### **Question by Mr Williamson**

Is the local community approaching the right department in Eskom?

**Answer by Mr Phidza**

Yes. On 2 July 2013, the MEC of Health will accompany Eskom in a joint project where multimillion rands worth of medical equipment will be donated to the Atlantis community towards the Wesfleur Community Hospital upgrade. There are also various NGOs that are benefitting from Eskom. I can give you a list. Just to give you an idea, in this area, Eskom has spent more than R54 million (in the areas within the 16km radius of Koeberg Power Station including the whole of Atlantis, Dunoon, Malmesbury) in the previous years, on donations and other social investment initiatives and projects.

**Comment by Williamson**

The Melkbosstrand Ratepayers Association is only one organisation. Can't this information to be published on the back of the Emergency Plan calendar? This will create awareness, as the public do not know what Eskom is contributing towards social upliftment or community development.

**Answer by Mr Phidza**

It's just a communication mechanism issue. We didn't want a situation where we hijack this platform and use it for ambush marketing of Eskom social investment initiatives, but rather preferred to let it function as stipulated by the NNR Act. Because there is a need, we can certainly provide more information about our social responsibilities.

**Comment by Mr Williamson**

This will increase the profile of the plant in Melkbosstrand.

**Answer by Mr Phidza**

Eskom works on a project by project basis, this means that NGOs, NPOs and other agencies should submit their proposal and apply as individual organisations/agencies and justify their needs. Eskom will then review such applications according to policy guidelines.

**Answer by Mr Aploon**

What we will take away is to make the information more readily available to show Melkbosstrand what Eskom is doing in the community.

**Answer by Mr Phidza**

Yes we will consider that.

**Comment by resident**

There are a lot of things that can be remedied by a better communication system and also benefit Koeberg, both from a public relations and security point of view. We are looking at a communication mechanism for Melkbosstrand - an inexpensive wireless grid over Melkbosstrand. The idea is that this allows for a cheaper form of information sharing. This also ensures that information becomes more readily available.

**Question by Mr Meyrick**

The internet - we are the privileged few who are using and have access to the internet. Atlantis have biggest population around here, and not all their residents have access to the internet.

**Answer by a resident**

I sat on a commission in the Western Cape Government two years ago. We spent six months putting together a strategy to create an intranet network for the Western Cape. It's within the budget and is in the process of being done. They're starting in the low cost or most needy areas first. The idea is to put a wireless grid over the area - the schools and libraries, etc. become part of the project, so there is a project addressing that, it will be a long time before the middle to higher income areas get access to that technology and that's why we, as the community, have to start thinking for ourselves.

**Answer by PSIF Chairperson**

I can also tell you that the Stakeholder Management team do go out to Atlantis regularly to talk to the schools and community members.

**Answer by Mr Phidza**

That's correct. Some of the schools do have internet labs. Some of the challenges they face are network reliability issues, and so we do engage and assist them by closing existing gaps, however this process takes long as we have to make sure that we talk to the right community stakeholders. At Eskom we do have social investment projects aimed at assisting communities where we can. You're right that it does take time to cover all the areas and the resources are scarce.

**Comment by resident**

Some of you might be aware of the proposed fracking operations in the Karoo. Shell has made a statement that the radioactive waste water will be coming directly to Koeberg for treatment.

**Answer by Mr Featherstone**

I don't know where Shell got that from. Bottom-line in this industry is that you own your own waste. We will not take anybody else's waste or even contemplate taking ownership for it. I think that is the same stance that the Regulator holds as well. You generate waste, you've got to process it and get rid of it yourself. There is a national repository for low level waste but it doesn't incorporate this kind of waste.

**Comment by resident**

According to the media report, there are only two facilities in the country that can treat radioactive waste, namely a facility in Germiston and the other is listed as Koeberg.

**Answer by Mr Featherstone**

No, you own your own waste. We would never take another's waste to process as we would become liable.

**Question by Mr Iosiphakis**

What happened with the robbery in the administration building and where is this building?

**Answer by Mr Featherstone**

Mr Featherstone by means of a visual aid, illustrated how the robbery was not on the plant.

**Question by resident**

How did they gain access to the plant?

**Answer by Mr Featherstone**

It was a person on site. We have external contractors and employees, and unfortunately in the current economic environment, you're going to have petty theft anywhere you are.

**Question by community member**

So it wasn't like a break in, it was just that something was stolen?

**Answer by Mr Featherstone**

Correct.

**Comment by Mr Phidza**

There were refurbishments underway in that building and therefore contractors and employees were given access to be on the site where minor construction was taking place, and the incident happened during this time.

**Question by resident**

Is there any seismic monitoring?

**Answer by Mr Aploon**

At Koeberg we have installed seismic monitors. We have them located in various areas on the plant and we monitor seismic activity both vertically and horizontally and we cross check that with geoscience to see if we picked up everything. We also have alarms and accident procedures, so we are covered.

**Question by resident**

Any comment on the stability of the area?

**Answer by Mr Featherstone**

Since 1984, there was once a small tremor that the instrumentation picked up. However, no one felt it.

**Question by resident**

So it's reasonably stable?

**Answer by Mr Featherstone**

Yes.

**Comment by Ms Fritz-Whyte**

But the Milnerton fault runs through here.

**Answer by resident**

Yes, but it is a very stable fault.

**Comment by Ms Fritz-Whyte**

I wasn't sure exactly where it runs.

**Answer by PSIF Chairperson**

Maybe we can get Dave Nicholls to present that

**9. Date of next meeting**

The PSIF Chairperson thanked everyone who attended the PSIF meeting.

The next PSIF meeting will take place on Thursday, 26 September 2013, at the Nuclear Auditorium, Koeberg Bulk Stores, Koeberg Nuclear Power Station.

**10. Proposed agenda items for the next PSIF meeting**

- NNR feedback on PSIF Deputy Chairperson position
- Progress feedback on the Traffic Evacuation Model (TEM)
- Latest update on Fukushima



## 11. Abbreviation/definition list

Abbreviation	Description	Abbreviation	Description
<b>KNPS</b>	Koeberg Nuclear Power Station	<b>CoCT</b>	City of Cape Town
<b>KOU</b>	Koeberg Operating Unit	<b>IAEA</b>	International Atomic Energy Agency
<b>NNR</b>	National Nuclear Regulator	<b>DOC</b>	Disaster Operations Centre
<b>PSIF</b>	Public Safety Information Forum	<b>SABC</b>	South African Broadcasting Corporation
<b>ISO</b>	International Standards Organisation	<b>mSv</b>	Millisieverts
<b>PSM</b>	Power Station Manager	<b>EP</b>	Emergency Plan
<b>SAPS</b>	South African Police Service	<b>UPZ</b>	Urgent Protective Action Planning Zone
<b>MW</b>	Megawatts	<b>Emergency</b>	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
<b>ECC</b>	Emergency Control Centre	<b>Evacuation</b>	The rapid, temporary removal of people from the area to avoid or reduce short-term radiation exposure in the event of an emergency
<b>Emergency Plan</b>	A document describing the organisational structures, its roles and responsibilities, concept of operation, means and principles for intervention during an emergency	<b>Plant</b>	Nuclear Power Station with associated components, machinery, equipment or devices
<b>TEM</b>	Traffic Evacuation Model	<b>MRA</b>	Melkbosstrand Ratepayers Association
<b>SAPS</b>	South African Police Services		
<b>NSA</b>	Nuclear Safety Awareness		

### Abbreviation/Definition list

Abbreviation	Description	Abbreviation	Description
<b>Public Notification</b>	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.	<b>Radiation</b>	Energy released in the form of particles or electromagnetic waves during the breakdown of radioactive atoms.
<b>Release</b>	The controlled or accidental discharge of radioactive substances into the environment	<b>Sheltering</b>	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 situation.
<b>Accident</b>	An unintended event, including operating errors, equipment failures or other mishaps.	<b>Disaster Management</b>	A continuous and integrated multi-sectorial, multi-disciplinary process of planning and implementation of measures aimed at: <ul style="list-style-type: none"> <li>a) Preventing or reducing the risk of disaster</li> <li>b) Limiting the severity or consequences of disasters</li> <li>c) Emergency preparedness</li> <li>d) Responding rapidly and effectively to disaster; and</li> <li>e) Post-disaster recovery and rehabilitation</li> </ul>
<b>TEM</b>	Traffic Evacuation Model	<b>MEC</b>	Member of Executive Council