

**PELINDABA PUBLIC SAFETY INFORMATION
FORUM
MINUTES OF MEETING**



DOC No: PSIF0114

REV: 1

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Date: 08 March 2014

Time: 09:00 – 13:00

Venue: Necsa
Visitor Centre

NO	DESCRIPTION	SPEAKER																																																			
1	<p>PRESENT</p> <p>S Brent (Chair) B Beukes (Secretary)</p> <p><u>Community Members:</u></p> <table border="0"> <tr> <td>P Carvalho</td> <td>C Garbett</td> <td>R Garbett</td> </tr> <tr> <td>C Steynberg</td> <td>D Gilbert</td> <td>F Taylor</td> </tr> <tr> <td>J van Vuuren</td> <td>J Heinrich</td> <td>J Human</td> </tr> <tr> <td>H Schmidt</td> <td>G Steyn</td> <td>J Taylor</td> </tr> </table> <p><u>Madibeng:</u> B Rathebe</p> <table border="0"> <tr> <td><u>NTP</u></td> <td><u>NNR</u></td> </tr> <tr> <td>D Robertson</td> <td>G Moonsamy</td> </tr> <tr> <td>M Ramdumnie</td> <td>T Pather</td> </tr> <tr> <td>P Louw</td> <td>M Mpundu</td> </tr> <tr> <td>M Letsoalo</td> <td>M Ramerge</td> </tr> <tr> <td></td> <td>R Makgae</td> </tr> </table> <p><u>Necsa:</u></p> <table border="0"> <tr> <td>J Shayi</td> <td>R Ramatsui</td> <td>N Jarvis</td> </tr> <tr> <td>E Chauke</td> <td>A Carolissen</td> <td>E Mulane</td> </tr> <tr> <td>M Miles</td> <td>N Kathi</td> <td>I Steyn</td> </tr> <tr> <td>D Basson</td> <td>T Mitsumu</td> <td>E van Heerden</td> </tr> <tr> <td>A Rennie-Kroon</td> <td>G Lekwe</td> <td>R Miles</td> </tr> <tr> <td>P. Tshelane (CEO)</td> <td>A Mashele</td> <td>H Schoeman</td> </tr> <tr> <td>K Ratabane</td> <td>P Jansen van Rensburg</td> <td>A Mayoli</td> </tr> </table> <p><u>Pelchem</u> P Terblanche</p> <table border="0"> <tr> <td><u>DOE</u></td> </tr> <tr> <td>T Mavuso</td> </tr> </table> <p><u>Apologies</u></p> <table border="0"> <tr> <td>R Smith</td> <td>C van der Merwe</td> <td>P Madalane</td> <td>R Ellis</td> </tr> </table>	P Carvalho	C Garbett	R Garbett	C Steynberg	D Gilbert	F Taylor	J van Vuuren	J Heinrich	J Human	H Schmidt	G Steyn	J Taylor	<u>NTP</u>	<u>NNR</u>	D Robertson	G Moonsamy	M Ramdumnie	T Pather	P Louw	M Mpundu	M Letsoalo	M Ramerge		R Makgae	J Shayi	R Ramatsui	N Jarvis	E Chauke	A Carolissen	E Mulane	M Miles	N Kathi	I Steyn	D Basson	T Mitsumu	E van Heerden	A Rennie-Kroon	G Lekwe	R Miles	P. Tshelane (CEO)	A Mashele	H Schoeman	K Ratabane	P Jansen van Rensburg	A Mayoli	<u>DOE</u>	T Mavuso	R Smith	C van der Merwe	P Madalane	R Ellis	
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2 WELCOME

Steve Brent

The Chairperson, Steve Brent, welcomed members of the community, stakeholder representatives and the media to the meeting. Steve encouraged members to actively participate in discussions to ensure that the PSIF is a successful forum for stakeholder engagement with Necsa

3 MATTERS ARISING

Community members raised a concern that not all the discussion points were captured and that the agenda did not reflect all the issues that they hoped to get feedback on.

The following additions were made to the minutes/agenda:

Feedback on the iodine incident will be addressed by the NNR although it does not appear on the Agenda.

D Gilbert did send some articles on 06 March 2014 for inclusion in the Agenda, This be addressed after the meeting.

D Gilbert

Rob Garbett requested to inform the community about a parliamentary report of the NNR that was submitted in 2012. Theagan suggest that time be allowed for Rob.

Rob Garbett

Jacques highlighted that he is very concern about the risk assessment and procedures that NTP have in place and if it was reviewed, to avoid incidents like the one of 02 November 2013.

Coert Steynberg raised a number of concerns on the field fire that took place on Necsa site, as he mentioned that he is not convinced that it was just a natural field fire. It was also suggested that the meeting be recorded to assist in capturing all the items raised for inclusion in the minutes

**Coert
Steynberg**

The late circulation of the minutes was raised as a concern as it didn't give attendees sufficient time to prepare for the next meeting. The Secretary undertook to have these circulated within two weeks After all the issues were cleared, the motion to approve the minutes was made by John van Vuuren and seconded by Judith Taylor.

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4 NECSA

4.1 Necsas Update

**Phumzile
Tshelane**

Phumzile Tshelane briefly gave feedback on the following events that have occurred during the past few months :

Minister Martins visits Vaalputs

The Minister of Energy was accompanied by the Necsas Board Chairperson and CEO to Vaalputs, to acquaint himself with the activities at the facility and to personally assess the status of radioactive waste disposal in South Africa

Minister Hanekom launches Phase 2 & 3 of MFPP

The Minister of Science and Technology, Derek Hanekom, launched the 3rd and 4th phases of the Multipurpose Fluorochemical Pilot Plant (MFPP) on 05 December 2013.

The project also supports students training in Engineering and Chemistry at Masters and Doctorate levels as well as technician and operator levels

This project is managed by Pelchem, A Necsas subsidiary.

NTP plans to produce Lutetium-177

A facility for production of the medical isotope Lutetium-177 is being built at Necsas. Lu-177 is the gold standard for the treatment of Gastroenteropancreatic Neuroendocrine tumours (GEP-NETS), a difficult to treat and invariably fatal disease.

AGSA Clean Audit Awards 2013

Necsas was awarded the Clean Audit Award for the financial year 2012/13

NTP wins Award for Excellence

The prestigious Technology Top 100 Awards ceremony was held at Kyalami in November 2013. At this occasion NTP received two awards:

- Award for Excellence in the Management Systems and
- Minister's Award for Overall Excellence in the large enterprises category

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NTeMBI project reaches milestone

NTeMBI project developed a gallium-68 labelled positron emission tomography (PET) imaging agent that can distinguish between infection and inflammation.

Dr Molahlehi Sonopo from Necsa has successfully synthesized the C-14 radio labelled version of the MMV390048 anti-malaria drug for use in further clinical trials.

New Corporate appointments in Necsa

Phumzile introduced, Xolisa Mbonga as the Group Executive, Corporate Services as from 01 March 2014. He also mentioned that the Group Executive for Operations will start on 17 March 2014 followed by the Group Executive for Research and Development as from 01 April 2014.

Corporate Social Investment (CSI)

Phumzile highlighted that Necsa have started with a program to donate scientific calculators and mathematical sets to the schools in Attridgeville, Shoshanguwe and Hammanskraal region during the past two months.

Wildlife on Necsa site

Phumzile informed the community about new off-spring that were born on Necsa site.

- Christine wanted to know what the nature of the isotope LUT 177 is while Dominique was interested in the technology that is applied.

In reply, Neil Jarvis assisted by Don Robertson shared more light on the application of the isotope. In response to the technology that is used, Phumzile informed the audience that the same processes that is currently used in Safari is applied.

- Dominique wanted to know if the technology is possible through the application of cyclotrons and what the status are of Safari?

In response to the mentioned question it was highlighted that it is not possible and that most LUT 77 been

**Phumzile
Tshelane**

**Christine
Garbett**

Neil Jarvis

**Dominique
Gilbert**

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transported to Germany. Safari at current stage does not have any difficulties in terms of operations and all maintenance schedules are up to date.

Dominique referred to information at her disposal and wanted to know whether the delisting of Necsa as a SOC is true and how it will affect the labour force. It was agreed that the matter will be addressed after the meeting.

- Christine was concerned about the safety of the Necsa staff and wanted to know if they are properly informed of this and the possibilities that they might get higher radiation doses.

Isabel explained in detail the process that is followed at Necsa and gave the community the assurance that Necsa are doing everything in its power to ensure that all workers are being informed, about the areas in which they work. After deliberations it is agreed that Necsa do not have any consent forms as Rob Garbett advice Necsa is to look into the options.

Phumzile explains that the NNR radiation limits are risk based and that Necsa had to comply with the standards as set aside in the Act. Necsa therefore have a very low limit. Dawie Basson explains that it is required by law that all radiation workers attend a training course every second year and that they are monitored once a month, in addition to the direct dosimeters that they carry along.

The presentation will be uploaded onto the Necsa PSIF website

4.2 Necsa Community Services Feedback

Joseph Shayi gave feedback on the contributions made by Necsa's Emergency Services in assisting the surrounding communities during the past three months.

Joseph highlighted that Necsa was gave assistance to a truck which jack knifed on the R512i in February 2014

After deliberations about the public doses, it was agreed that Necsa

**Christine
Garbett**

Isabel Steyn

**Phumzile
Tshelane**

Joseph Shayi

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in future must try to give a more comprehensive breakdown as well as the units that is measured on Necsa site. As the community are very concerned about the ageing of Safari, the doses and what really are released, it was further agree to arrange a meeting between Necsa, the concerned group or those interested to get more information on how Necsa currently determine the levels of doses that are released.

4.3 Necsa Emergency Services

Joseph Shayi

Joseph gave feedback on the Emergency exercises that was held during October/ November 2013. During this presentation, it was clear that the same findings are recurring events of the past four years and the community raised concern that both Necsa and Madibeng did not necessarily address the problems and those employees are either reluctant or ignorant to the safety of their fellow colleagues. A greater concern was raised when it transpired that none of the findings were signed off by the groups involved in the exercise and it raised a question about the effectiveness of training provided to employees.

The following suggestions was made to Necsa, in order to improve on the quality of exercises and to eliminate findings:

- a) Necsa must make equipment available at all roadblocks
- b) Necsa must consider to do an audit on the effectiveness of their training
- c) Review previous findings and take applicable actions.
- d) Revisit the lightning of buildings so that it can go off automatically
- e)Revisit the credibility of close outs and put procedures in place
- f) Consider regular audits so that PR officers can inform radio stations
- g)Enclose a statement when reviewing close outs
- h) use of external resources when conducting audits

It was mentioned by John van Vuuren that these finding were of concern when Necsa had just received a Technology Top 100 Awards!

The presentation will be uploaded onto the Necsa PSIF website

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4.4 Necsa External Stream and River Monitoring

Joseph Shayi done a presentation about the environmental monitoring done by Necsa and highlighted the areas that is covered. Joseph explains the parameters that are currently used to do tests/ samplings. Members of the public wants to know if they can get access to the reports that is submitted by Necsa and the type of emissions that goes into the river and streams.

Dominique also refers to a report of Dr Baines which have indicated a very high level of fluoride in the Crocodile river. After many deliberations, it was agreed that a meeting been held between Necsa and interested groups to discuss the current parameters, the elements that is tested and the submissions that was done by Necsa.

Joseph Shayi

5 NNR Feedback

Thiagan emphasised that the NNR is very concerned about the Necsa findings that are a constant recurring and suggested that Necsa makes an effort to look into proper solutions as it seems that training is the only corrective action that deploys to address non-compliances. It was also suggested that Necsa plays a more prominent role in assisting Madibeng as they currently are not on par in terms of discharging their responsibilities.

He informed the community that from a NNR perspective, emergency exercises will be done every 18-24 months and that the next emergency exercise is scheduled for 09 April 2014. During this exercise the focus will be more on Management accountability and the NNR will definitely run other exercises as well.

The above was well received by the meeting, and although this was an announced exercise once the findings had been effectively closed out further emergency exercises should be conducted, unannounced.

**Gino
Moonsamy**

5.1 NNR Feedback on the iodine incident

Thiagan reported that the NNR concluded their initial investigation by end November and that twenty five findings were identified. Necsa was instructed to provide a detailed action plan which is

Thiagan Pather

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currently seventy present completed. He also gave the surety that cell 19 is currently not operational and it is needed to be taken through a NNR approved re-commissioning process. An initial request was denied for the operations at cell 20 due to the problems experience with cell 19. On 16 January 2014 the NNR has allowed cold commissioning in cell 20. NTP has run scheduled productions over the last week which was closely monitored by both the NNR and Necsa SHEQ department. NNR has requested the Necsa SHEQ department to oversee and to ensure that policies and procedures been followed duly and complied with.

Thiagan also gave the assurance that cell 19 is not in operation and the NNR will only approve the commissioning of the activities once the NNR is satisfy that the policies and procedures been revised and safe.

Dominique mentioned that they do have information that certain procedures was not followed but ignored. They also wanted to know if the NNR will make a list available of all the findings. Thiagan request that Dominique must make their information available to the NNR to verify it.

6

Presentation by Rob Garbett

Rob informed the community of a meeting that was held with the NNR on 06 March 2014 where they specifically discussed the insurance limitations that at current stages exclude Nuclear Liability.

It was agreed that the NNR CEO will discuss the matter with government. Part of the discussion did also address the use of HEPA filters and an undertaking was made that the NNR will address this matter.

Rob also paid attention to an article about the report submitted to Parliament during March 2012 where the then CEO of the NNR had highlighted the challenge that the NNR are faced to properly implement all their programs.

Gino Moonsamy informed the public that quarterly reports and audit performances are available on the NNR website and in libraries which will give the public a very good indication of the performance of the NNR.

Thiagan Pather

Rob Garbett

Gino Moonsamy

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	<p><i>A concern was raised about the readiness of Necsa if an incident like Fukushima will ever happen.</i></p> <p>Thiagan mentioned that Necsa in conjunction with the NNR has undertaken a detailed safety assessment review Safari-1 reactor taking into account all external events that might have a negative impact in the event of a disaster. Necsa is still busy with the study before submitting to the NNR to make recommendations. The NNR has developed the specific requirements for the study and are more than willing to share the requirements with the public.</p>	<p>Judith Taylor</p>
<p>7</p>	<p>Madibeng feedback</p> <p>Bob Rathebe informed the public that the vacant position of Director Disaster Management has been filled and that the person will also form part of the Necsa emergency exercise in the near future. Madibeng officials will however pay a visit to Necsa during the course of the week to discuss some of the findings listed during the last emergency exercise and to get training and assistance from Necsa in addressing issues related to emergency exercises.</p>	<p>Bob Rathebe</p>
<p>8</p>	<p>Closure</p> <p>The Chairperson thanked everyone for their inputs and for the time to attend the meeting.</p> <p>Meeting adjourned: 12:15</p> <p>Next Meeting: 07 June 2014</p> <p>Venue: Necsa Visitor Centre, Gate 1, Pelindaba</p>	<p>Steve Brent</p>