SEIA for Proposed Mining of the Z20 Uranium Deposit

Public Meeting

24 October 2012
Rossmund Golf Course
Welcome and Meeting Rules

- Welcome
- Meeting rules
  - Please complete attendance register
  - Please switch cellular phone off
  - Discussion will be at the end
  - State your name and association clearly
  - Please work through facilitator
Agenda

• Project Background
• Project Description
• SEIA Phases
• Specialist Studies
• Questions and Answers
Introductions: Rössing Uranium

- Rainer Schneeweiß (Principal Advisor: Land Use Management)
- Pierre Smit (Environmental Stewardship)
- Calicious Tatalife (Socio Economist)
- Carlo van Heerden (Manager: Projects & Power Efficiency)
- Stephanie Brayshaw (Project Leader: Projects & Power Efficiency)
- Alwyn Lubbe (Rössing Corporate Communications)
Introductions: Consultant Team

• Andries van der Merwe (Project Director)
• Werner Petrick (Project Manager)
• Stephan van den Berg (Project Manager)
• Robyn Christians (Project Staff)
• Bea Whittaker (Independent Facilitator)

• Hermann Frühstück (Doppelmayr MD)
Locality Map
**Z20 Project Timing**

- Project investigations
  - Exploration
  - Engineering
  - Social and Environmental
- Z20 mining business decision will depend on
  - Financial feasibility
  - Outcome of impact assessment
Z20 Project Overview

- Mining Z20 ore body + waste rock disposal
- Infrastructure corridor
- Production of sulphuric acid
- Processing plant modifications
- New high density tailings storage facility on the Rössing Dome
Z20 Exploration
Z20 Mining and Waste Rock Disposal
Infrastructure Corridor

- RopeCon®
- Access road
- Water supply pipeline
- Fuel supply pipeline
- Power supply
RopeCon® Material & Ore Transport
RopeCon® Material & Ore Transport
RopeCon® Material & Ore Transport

- Towers
RopeCon® Material & Ore Transport

• Line structure
RopeCon® Material & Ore Transport

• Belt Turning Device
RopeCon® Material & Ore Transport

• Drive Machinery
• Tensioning Device
RopeCon® Material & Ore Transport

- Inspection trolley
RopeCon® Material & Ore Transport

- Roof / Covers
RopeCon® Material & Ore Transport

- Noise

55 dbA at a distance of 1 m
RopeCon® Material & Ore Transport

• Section 1
  – RailCon 1.48km
  – RopeCon 8.36km
  – 24 Towers & Anchor Points

• Section 2
  – RopeCon 2.71km
  – 9 Towers & Anchor Points

• Design criteria
  – Speed 4.65m/s (16.74km/h)
  – Capacity 2250 t/h
RopeCon® Material & Ore Transport

- Khan River Crossing

To Z20

To Rössing Uranium
RopeCon® Material & Ore Transport

- Construction
Infrastructure Corridor (Recap)
Access Road
Water Supply

• Optimize existing NamWater to Rössing bulk water supply line
Fuel Supply

• Flexsteel pipeline along RopeCon
• Length: 14 km
• Diameter: 75mm
• Safety in design:
  – 100mm PE pipe sleeve
  – Flow, pressure & temperature monitoring
  – Shutoff valves
Power Supply

Existing Capacity: 40MW
Upgraded Capacity: 60MW

220kV NATIONAL GRID

EXISTING MAIN SUBSTATION

NEW SUBSTATION

EXISTING DISTRIBUTION & LOAD CENTRES

NEW DISTRIBUTION & LOAD CENTRES

NAMPOWER FEED
Tailings Disposal

- Two disposal sites are available
HD Tailings Disposal on the Dome
HD Tailings Disposal on the Dome
SEIA Phases

• Phase 1: Project initiation/screening
  – Internal screening with MET
  – Registered project with MET
  – August to October 2012

• Phase 2: Scoping (including assessment of infrastructure corridor)
  – Notification
  – Public participation process
  – Scoping Report and SEMP (infrastructure corridor)
  – October to December 2012

• Phase 3: SEIA
  – SEIA and SEMP of all other project components
  – January to June 2013
## Specialist Studies

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<th>Lead SEIA consultant</th>
<th>Aurecon &amp; SLR</th>
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<td><strong>Social</strong></td>
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<td>Ilse Aucamp (Ptersa)</td>
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<td>San-Marie Aucamp (Ptersa)</td>
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<td>Nicolette Krause (Airshed)</td>
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<td><strong>Radiation</strong></td>
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<td>Dr. Dawid de Villiers (NECSA)</td>
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<td><strong>Surface water</strong></td>
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<td>Jonathan Church (SLR)</td>
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<td>Jeff Jolly (RPS Aquaterra)</td>
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<td><strong>Biodiversity</strong></td>
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<td>Dr. John Irish (Biodata)</td>
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<td>Dr. Theo Wassenaar (AWR)</td>
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<td><strong>Archaeology</strong></td>
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<td>Dr. John Kinahan (QRS)</td>
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<td><strong>Traffic</strong></td>
<td>Theo Potgieter (Burmeister &amp; Partners)</td>
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Way Forward (Scoping)

• Invite stakeholder comments (12 to 31 Oct)
• Prepare Scoping Report and SEMP for infrastructure corridor (mid Nov)
• Distribute SR for comment (21 working days)
• Finalise Scoping Report (incl. comments)
• Submit to MET (Dec 2012)
Rössing Uranium Limited

Thank You