

Environmental Impact Assessment (EIA) and Waste Licensing Application for the Proposed Continuous Ashing Activities at Tutuka Power Station

Public Meeting

Standerton

22 November 2012



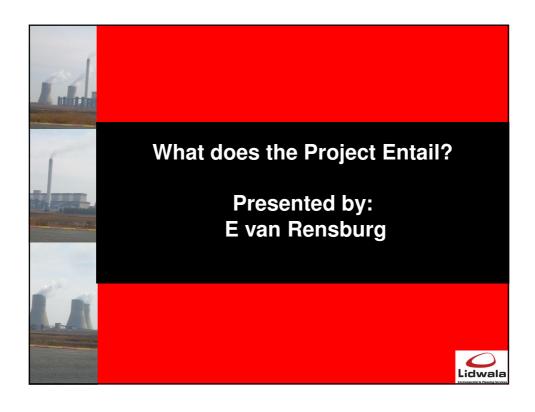
Purpose of the Meeting

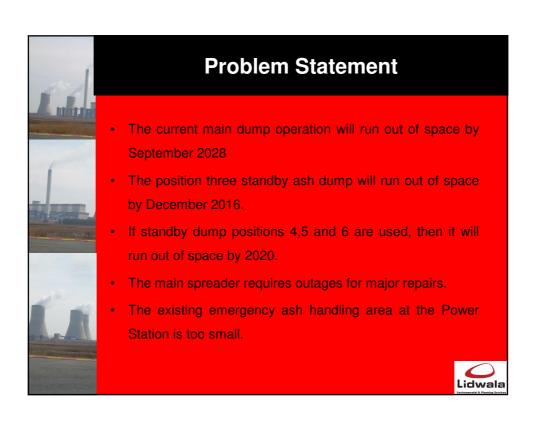
- Provide information regarding the project
- Provide an opportunity to raise issues regarding the potential impacts of the project on the environment
- Invite I&APs to register on the project database
- Provide an opportunity to interact with the project team













What does the Project Entail?

- Tutuka Power Station envisages the continuation of dry ash disposal over Eskom owned land, purchased before the commencement of environmental laws, such as the Environment Conservation Act
- Eskom would like to align its continued ashing activities, with the requirements of the NEMWA waste licensing processes
- The proposed continuous development is an ash disposal facility with the following specifications:
 - Capacity of airspace of 353,1 million m³ (Existing and remaining); and
 - Ground footprint of 759 Ha (Proposed Continuous Ashing & pollution control canals)
- The project also includes the expansion of the emergency ashing area at the power station from approximately 1900m² to 21 000m²



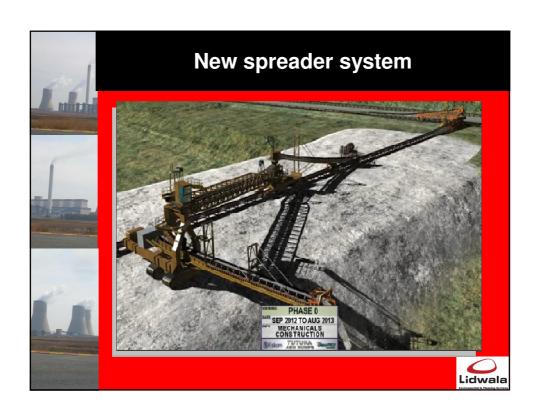
Proposal

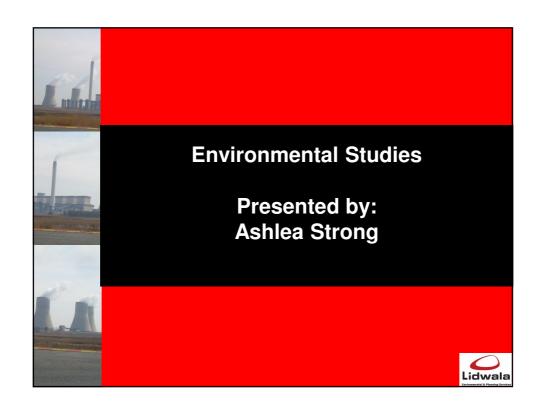
- Convert the existing main dump operation to radial operation.
- Expand the ash dump to the south side which becomes the new standby ash dump.
- Construction of new channels, pipes, fences and roads.
- · Construct new spreader system.
- Construct concrete slabs and channels at the emergency off loading area.

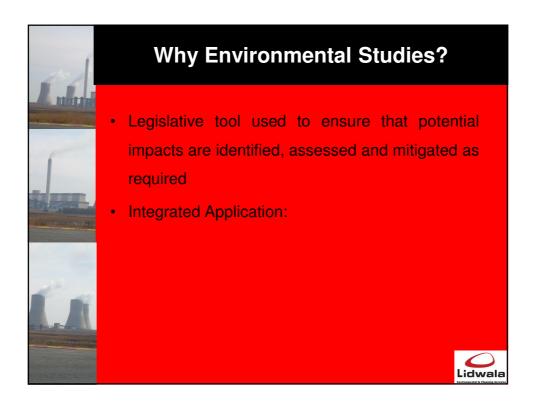


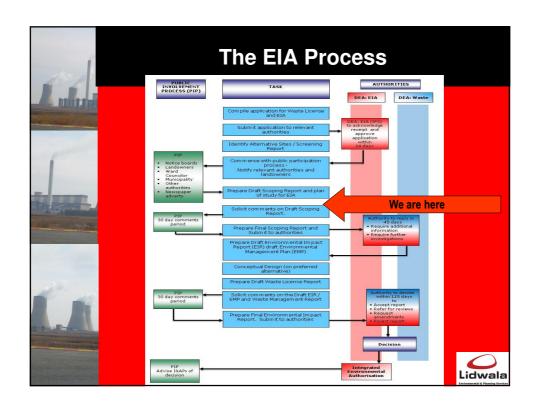


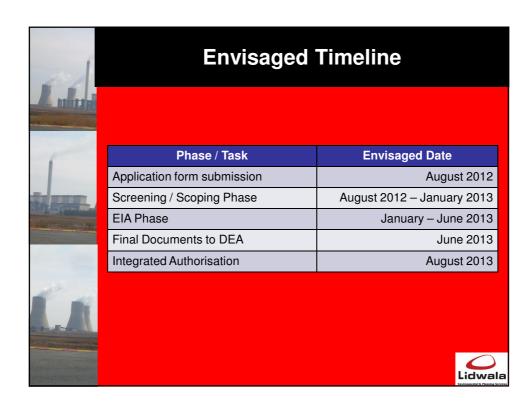


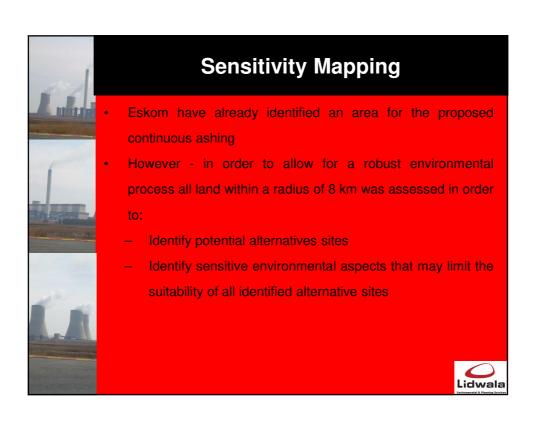


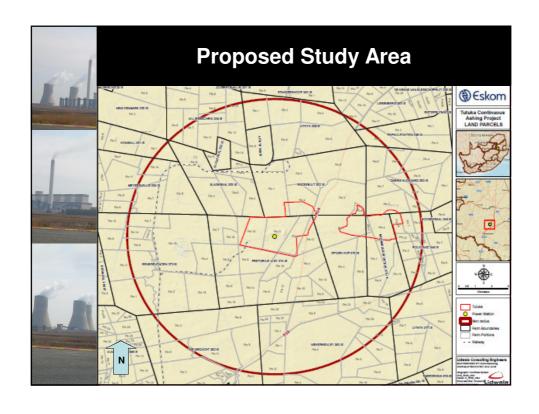


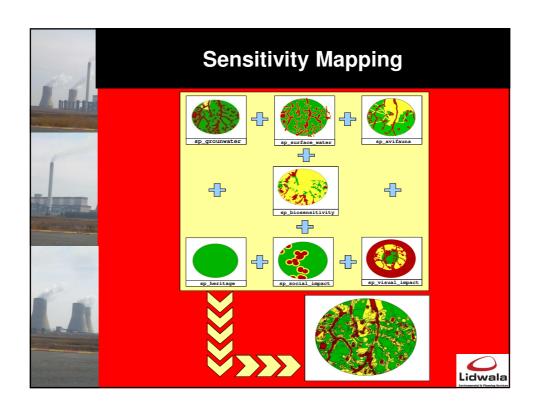


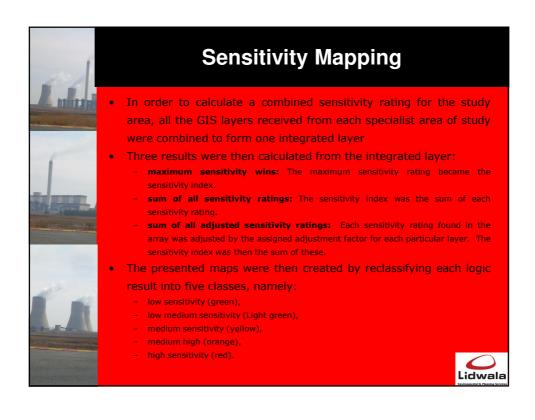


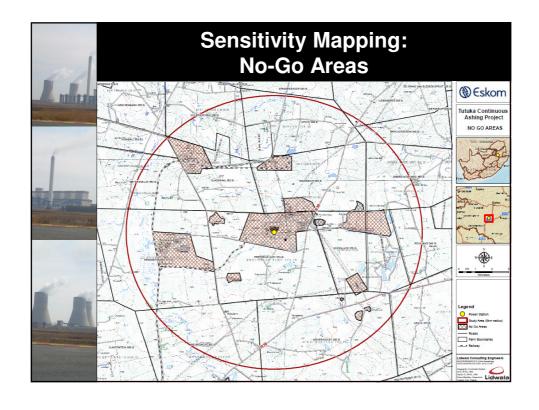


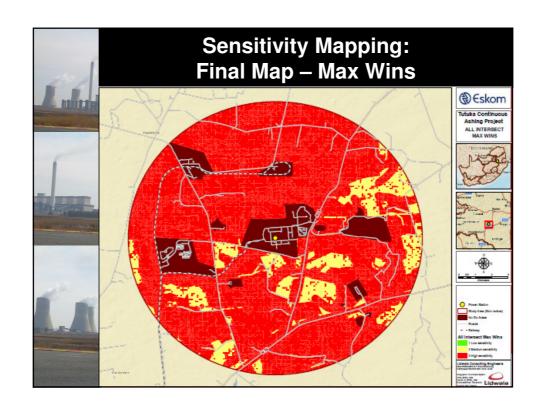


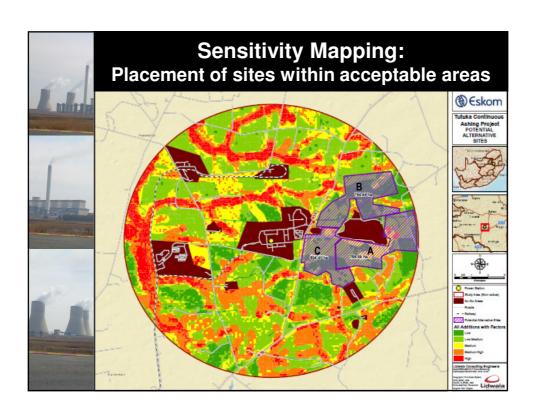


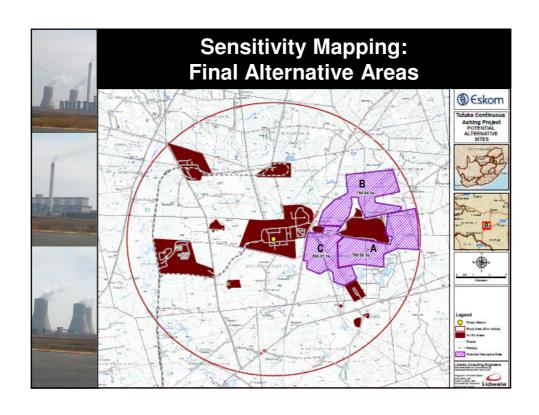


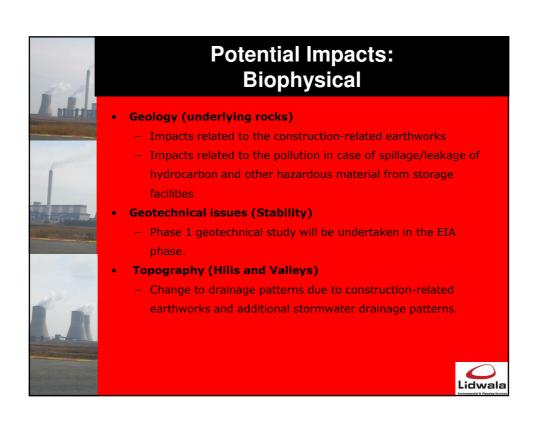














Potential Impacts: Biophysical

Agricultural Potential

- Pollution of soil due to handling, use and storage of hazardous substances during construction and operation.
- The loss of available top soil.
- Key variables that determine the land capability of the study area such as soil fertility reduced and disturbed due to the potential activities related to the ash disposal facility.
- The loss of viable agricultural land.

Avifauna (Birds)

- Destruction of habitat and disturbance of birds due to Ash Disposal Facility
- Impacts due to associated Infrastructure such as powerlines
 e.g. Electrocutions, Collisions etc..





Potential Impacts: Biophysical

Groundwater

- Contamination of ground water due to hydrocarbon spillage and seepage into groundwater reserves, affecting groundwater quality.
- Further construction of infrastructure and compaction of the area will further contribute to reduced water infiltration rates to replenish groundwater aquifers.

Surface Water

- Impacts on surface water quality;
- Impacts on hydrology;
- Impacts related to erosion and sedimentation;
- Impacts on aquatic biota; and
- Impacts on aquatic ecosystem services.





Potential Impacts: Biophysical

- Biodiversity (plants and animals)
 - Direct impacts on threatened flora and fauna species;
 - Direct impacts on protected flora species;
 - Direct impacts on common fauna species/ faunal assemblages (including migration patterns, corridors, etc.);
 - Human Animal conflicts;
 - Loss or degradation of natural vegetation/ pristine habitat (including ecosystem functioning);
 - Loss/ degradation of surrounding habitat;
 - Impacts on SA's conservation obligations & targets;
 - Increase in local and regional fragmentation/ isolation of habitat; and
 - Increase in environmental degradation, pollution (air, soils, surface water).



Potential Impacts: Social

Air Quality

 Increase in dust generating activities during construction and operation including exceedances of PM10 concentrations and exceedances of dustfall rates.

Visual

- Impact on the current visual landscape.
- Impact on sensitive receptors,

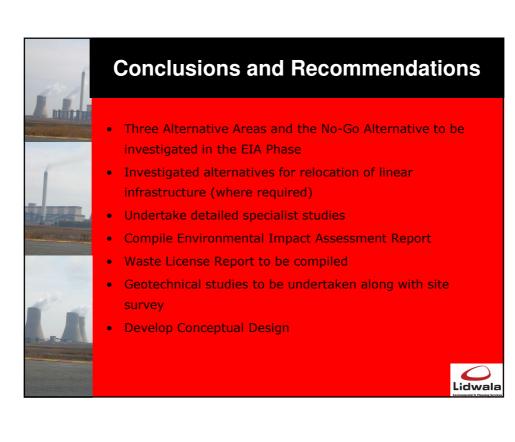
Heritage

- identify the potential heritage sites within the study area
- identify any impacts (if any) that may occur on these sites as a result of the continuous ashing project

Socio-Economic

- Perceptions and fears associated with the proposed project;
 and
- Local, site-specific issues.









What is Public Participation?

- Public participation is a joint effort between:
 - Stakeholders
 - The proponent
 - Technical Specialists
 - Decision-makers
- Work together to produce better decisions
- Aim: To inform a wide range of I&APs
- Tool: Allows the public to exchange information and express their views and concerns
- Scoping: Facilitates the identification of issues and concerns early in the EIA process
- All contributions from I&APs will be fully documented, evaluated and responded to in the EIA





Public Participation Process to Date

- Identification of Stakeholders or I&APs
- Notification and Advertisements
 - Project advertised in 2 newspapers
 - Highveld Tribune
 - Cosmos News
- Background Information Document
 - Distributed to all identified I&APs
 - Placed in local public libraries and municipalities
- Meetings:
 - Focus Group meetings, consultations, public meetings and one-on-one interactions
- You can still get involved!! How?







