

Action	Time Schedule
Ensure that the crusher, tip area and vehicles are properly maintained	During Construction Phase and throughout Life of Mine
If the noise is directional, the source will be pointed away from noise-sensitive locations (e.g. Clewer)	During Construction Phase and throughout Life of Mine
Internal haul routes will be well-maintained and steep gradients will be avoided	During Construction Phase and throughout Life of Mine
Noisy equipment such as pumps or generators will be enclosed to reduce noise production	During Construction Phase and throughout Life of Mine
Rubber linings will be used in equipment such as chutes and dumpers	During Construction Phase and throughout Life of Mine
Tailgates of transport vehicles will be kept closed if possible	During Construction Phase and throughout Life of Mine
4. Ensure that noise impacts in buildings are minimised	
Materials such as porous absorbers, panel absorbers or Helmholtz resonator absorbers will be utilised to enhance the absorption of noise within buildings	During Construction Phase and throughout Life of Mine
5. Ensure that noise is controlled along the transmission path	
Noise will be controlled along its transmission path using acoustical barriers. The barriers will provide enough sound insulation so that energy passing through the barrier does not exceed the energy diffracted by the barrier, will be structurally robust enough to meet the demands of the application, and will be capable of being constructed and erected at an economic cost.	During Construction Phase and throughout Life of Mine
6. Ensure transport noise impacts are minimised	
Transport of material off-site will be restricted to between 06:00 and 22:00.	During Construction Phase and throughout Life of Mine
Vehicle speeds will be restricted to 40 km / h within the Navigation West Section boundary area.	During Construction Phase and throughout Life of Mine
Silencers will be well maintained and replaced if they become noisy	During Construction Phase and throughout Life of Mine
Vehicles will be fitted with pneumatic suspensions rather than the traditional leaf springs	During Construction Phase and throughout Life of Mine
Rubber bushes will be fitted between trailer bodies and chassis' to prevent the load body slap which can occur, especially when the vehicles are empty	During Construction Phase and throughout Life of Mine
7. Ensure impacts from noise generated during blasting are minimised	
All residences and structures within a 1 km radius of the proposed mining operation will be surveyed and a photographic record of these taken to determine a pre-mining condition	During Construction Phase and throughout Life of Mine
All such structures will also be inspected for signs of vibration or	On a 6-monthly basis (or at

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Action	Time Schedule
blasting damage.	public request)
Mine Management will be responsible for the repair of any damage, which arises as a result of blasting or activities at the mine, at the mine's expense.	During Construction Phase and throughout Life of Mine
If blasting or vibrations are perceived to be excessive, a seismic monitor with a continuous recorder will be placed about one kilometre from the mine during blasting activities. Such recordings will be kept and made available to any interested or affected party on request	During Construction Phase and throughout Life of Mine
All lawful land occupiers within a 500 m radius of the pit will be notified within one (1) hour prior to Blasting.	During Construction Phase and throughout Life of Mine
The Blaster employed, who will be certified in terms of the Mine Safety Act, will utilise the minimum possible explosives to achieve maximum affect.	During Construction Phase and throughout Life of Mine
Blasting will be conducted between the hours of 08H00 and 16H00 to minimise the impact on persons dwelling within close proximity to the mine	During Construction Phase and throughout Life of Mine
No blasting will take place on Saturdays or Sundays, except in exceptional circumstances	During Construction Phase and throughout :Life of Mine

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2.2.13 Visual Aspects

Objective	: To reduce the impacts on the overall visual aesthetic of the proposed project to residences and landowners in the Clewer area, as well as other I&APs within close proximity to the mining activity
Specific Goals	: Ensure that visual impacts from dust generated during blasting are minimised. Ensure that dust generated by wind and movement of machinery is minimised to reduce visual impacts. Ensure that visual impacts from any mine infrastructure and / or operations are minimised.

Technical / Management Options:

The General Manager or his appointed representative will ensure that the dust suppression program is initiated and kept up to date. The General Manager or his appointed representative will also ensure that the backfilled workings are re-vegetated, and that the transport companies obey the speed limits, and that the clean-house policy is maintained. The General Manager or his appointed representative will also ensure that the visual screen is established as stated in this EMP.

Action	Time Schedule
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Action	Time Schedule
1. Ensure that visual impacts from dust generated during blasting are minimised.	
Blasting holes will be stemmed.	When ever there is blasting on the mine during Operational Phase of mine.
2. Ensure that dust generated by wind and movement of machinery is minimised to reduce visual impacts.	
Dust suppression will be conducted on all haul roads and stockpiling areas where movement of machinery may generate dust.	Twice a day.
All trucks transporting material on the proposed mining area will be required to obey a maximum 40km / h speed limit.	At any time during Operational Phase of the mine.
The mine will adopt a clean-house policy. All stockpiles will be maintained at specified heights (topsoil – 3 m, subsoil and overburden – 9 m) to reduce visual impact.	During Operational Phase and throughout Life of Mine.
3. Ensure that visual impacts from any mine infrastructure and / or operations are minimised.	
A wind fence, or a visual barrier such as a berm as well as trees will be erected between Clewer and the mining operation.	During Construction Phase, prior to blasting.
Topsoil stockpile to be vegetated.	During Construction Phase.
Overburden stockpiles to have soil cover and vegetated.	During Construction Phase.
Inspection of the constructed topsoil / subsoil berms will take place on a monthly basis, and maintenance and repair work will be undertaken if necessary.	Commencing during Construction Phase, continuing throughout Life of Mine.

2.2.14 Socio-Economic Impacts

No significant negative impacts are predicted.

Management:

- As far as practically possible, all supplies will be obtained from the Witbank area
- As far as practically possible, new mine employees will be recruited from the Witbank area.

2.2.15 Interested and Affected Parties

Objective	:	To minimise the impacts on all Interested and Affected Parties
Specific Goals	:	Ensure that air quality, noise and other relevant impacts on the I&APs are effectively mitigated.



Ensure that influx of labourers seeking employment is reduced.

Communication channels with the I&APs will be kept open.

Ensure that all necessary precautions are taken to prevent impacting on the Sasol gas pipeline.

Technical / Management Options:

The General Manager or his appointed representative will ensure that all machinery is maintained in good working order. The General Manager or his appointed representative will ensure that no labourers are housed legally or illegally on the Navigation West Section area.

The General Manager or his appointed representative will ensure that the water quality-monitoring program is current and up to date, and are made available to all Interested and Affected Parties on request. The General Manager or his appointed representative will attend all I&AP forum meetings.

The General Manager or his appointed representative will ensure that a complaints register is kept, and that any complaints are attended to and reported on to the relevant I&AP, as well as annually to the DME.

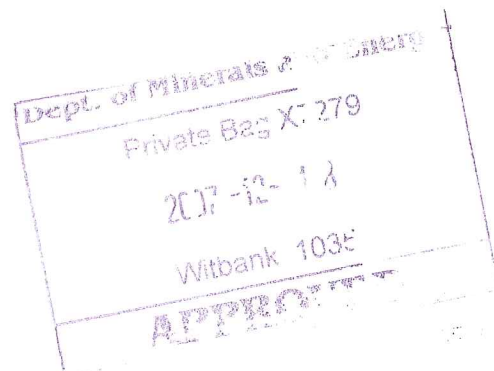
Action	Time Schedule
1. Ensure that noise, air quality and other impacts on surrounding landowners is minimised.	103E
Refer to Sections 2.2.10, 2.2.12, 2.2.13 and other relevant sections in this EMP. Implement mitigation of the environmental impacts that will affect the I&APs.	During Construction Phase and throughout Life of Mine.
Monitoring of the noise and dust emissions, as well as all other aspects that may affect the I&APs such as surface water and groundwater, will be stringently implemented, and data interpreted to determine the actual extent of the impact and the effect thereof on the I&APs.	During Construction Phase and throughout Life of Mine.
2. Ensure that influx of labourers seeking employment is reduced.	
The Mine will utilise people from the surrounding areas as far as possible, and no illegal labourers will be employed.	During Construction Phase and throughout Life of Mine.
Access to the Navigation West Section will be controlled under all conditions, and no informal housing will be allowed to take place on the property.	During Construction Phase and throughout Life of Mine.
3. Communication channels with the I&APs will be kept open.	
Mine management will maintain an open-door policy. The General Manager will maintain cordial relationships with all Interested and Affected Parties. Minutes of all meetings will be kept, and made available on request.	During Construction Phase and throughout Life of Mine.
An Interested and Affected Parties Forum has been established. Minutes of all meetings will be taken. These Minutes will include a record of all parties in attendance.	Forum will convene every six months during Construction Phase and throughout Life of Mine.

Action	Time Schedule
A complaints register will be opened for the Navigation West Section, and I&APs will be encouraged to record their complaints within the register.	During Construction Phase and throughout Life of Mine.
Any complaints that are recorded in the complaints register will be attended to timeously, and the action taken will be recorded and reported back to the I&AP concerned.	During Construction Phase and throughout Life of Mine.
A report of the complaints and manner in which the complaints have been addressed will be submitted to the DME on an annual basis.	Commencing during Construction Phase, continuing throughout Life of Mine.
4. Ensure that all necessary precautions are taken to prevent impacting on the Sasol gas pipeline.	
No buildings or other infrastructure will be constructed within the relevant servitudes of the Sasol gas pipeline, without written permission from Sasol.	During Construction Phase and throughout Life of Mine.
No covers will be removed from the Sasol gas pipeline servitude area.	During Construction Phase and throughout Life of Mine.
No heavy vehicles or power equipment for ground levelling etc. will be permitted over the Sasol gas pipeline servitude area unless authorised in writing by the relevant Sasol department.	During Construction Phase and throughout Life of Mine.
No roads, water mains, sewers, drains or other services will be constructed across the Sasol gas pipeline servitude unless otherwise agreed to by the relevant Sasol and Government departments, in writing. In this regard a formal written application will be submitted to the relevant Sasol department, together with plans and sectional drawings of the proposed services to cross the servitude(s) in order to establish whether additional protection of the pipeline(s) will be necessary.	During Construction Phase and throughout Life of Mine.
No works, such as fencing or posts with deep foundations may be erected, nor will deep-rooted trees or shrubs be planted in the servitude areas which are likely to damage or endanger the pipeline(s) or the protective wrapping.	During Construction Phase and throughout Life of Mine.
No blasting will occur within the pipeline servitude. Application to carry out blasting within 500 m of a pipeline will be made to the relevant Sasol office in writing in terms of Paragraph 17.1, Chapter 10 of the Regulations embodied in the Explosives Act and Regulations (Act 26 of 1956), as amended.	During Construction Phase and throughout Life of Mine.

2.2.16 Historical and Cultural Aspects

The potential for accidental damage to the identified informal graveyard (located outside of the proposed Navigation West Section surface land use area) will require proactive mitigation, which will be undertaken by implementing one of the following options:

- The graveyard will be kept and conserved. This would mean that the graveyard will be kept and conserved *in situ* for posterity - except if it is decided that the graveyard must be exhumed and relocated - e.g. if rapid expansion of the mining area occurs. If the graveyard is conserved *in situ* it will be fenced in or it will be demarcated with a wall in order to ensure that the graves are not damaged, either accidentally or deliberately. The graveyard will be maintained and kept in an orderly condition. Access will be made available to family members and friends who wish to visit the deceased, or
- The graveyard will be exhumed and relocated. If this option is selected, Anglo Operations (Pty) Ltd. will approach a reputed funeral undertaker or forensic archaeologist to exhume and relocate the deceased. These professionals are acquainted with the laws, provincial regulations and administrative procedures that regulate the exhumation and relocation of graves and graveyards. This process will involve social consultation, and will be both costly and timely.

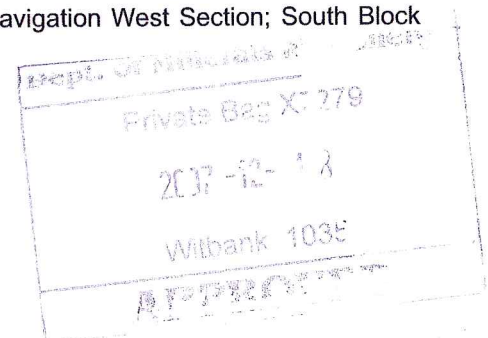


2.3 OPERATIONAL PHASE

This phase will commence when the first truck load of coal is removed from the opencast pit, and will include the period during which the opencast mining and related activities such as crushing and hauling of ROM coal, management of clean and dirty water separation systems and infrastructure, progressive pit development and progressive rehabilitation, etc. are conducted and continues until the last truck load of coal has been removed from the final opencast pit, all other Operational Phase activities have ceased, and the Decommissioning Phase commences.

The following mining and related activities, which are expected to impact on the surrounding environmental aspects, are anticipated to take place during the Operational Phase of the proposed Navigation West Section:

- Progressive development of the box-cut(s), including continuous stripping and stockpiling or direct placing of topsoil, subsoil and overburden,
- Construction of haul roads and ramps as mining progress,
- Blasting followed by extraction of No. 4 Top Seam coal, and subsequently extraction of No. 4 Seam Select Seam coal,
- Concurrent rehabilitation of the opencast pit areas will be undertaken as the pit advances. Carbonaceous material will be placed back into the open voids up to the coal level, followed by the sequential replacing and compaction of overburden and subsoil layers, followed by the replacement of topsoil prior to the re-vegetation of the surface as part of the rehabilitation strategy that will be implemented at the proposed Navigation West Section,
- Hauling of ROM coal to the tip and crushers, with separate crushing and stockpiling of crushed ROM coal from the No. 4 Top Seam and No. 4 Select Seam,
- Utilisation of water management measures including pollution control measures, such as the pollution control pond and the construction of additional water management measures as required in terms of the staggered development of the Navigation West Section; South Block opencast area,
- Utilisation of surface infrastructure, such as:
 - The on-site Plant and associated infrastructure,
 - Site offices,
 - Ablutions facilities,
 - Workshops,
 - Wash bays,



- Security facilities (e.g. access boom and guard hut),
- A fuel depot,
- Stores areas,
- Waste accumulation areas,
- Pipelines to transport contaminated water from the proposed Navigation West Section Pollution Control Pond to the Navigation Dam, and domestic wastewater from the offices and ablutions facilities to the sewage treatment Plant at Navigation, and
- Any other necessary surface infrastructure.
- Removal of groundwater influx and mine process water from the open pits to enable mining to continue safely and efficiently, and
- Diversion of the gravel road and the power line as mining progresses towards the relevant areas in the Navigation West Section; North Block area.

The impacts that are anticipated to occur as a result of the Operational Phase activities of Navigation West Section were identified and assessed in the report compiled by Clean Stream Environmental Services, titled, "Anglo Operations Limited. Landau Colliery. Proposed Navigation West Section. Environmental Impact Assessment", with Reference Number AO/LND/NWS/02/2007, dated March 2007.

2.3.1 Geology

Objective	:	To minimise the impacts of blasting on the surrounding stratigraphy.
Specific Goals	:	Blasting techniques that are specific to coal mining will be utilised during the Operational Phase. Blasting techniques used will specifically take into consideration the nearby location of the adjacent Clewer residential area to ensure that possible vibrations do not influence any buildings in terms of cracks. Ensure that mainly the No. 4 Coal Seam is removed systematically. Ensure that rehabilitation of the open voids takes place concurrently to mining.

Technical / Management Options

The services of a qualified specialist will be used by Landau Colliery to select the most appropriate blasting technique to use to minimise the potential impacts on the Clewer residents. Monitoring of the impacts of blasting on the air as well as the ground vibrations will take place, as stipulated in Section 2.3.12 of this EMP.

Action	Time Schedule
1. Ensure that blasting of the opencast mining cuts has a minimum impact on the surrounding geological stratigraphy.	
Select the most appropriate explosives for this purpose	Throughout Operational Phase
Implement the most appropriate blasting techniques for this purpose	During the excavation of the each progressive box-cut, throughout Operational Phase
2. Ensure that mainly the No. 4 Coal Seam is removed systematically.	
The No. 4 seam coal layer be removed systematically, to enable the systematic rehabilitation of the open voids behind the active pits, as far as practical	Throughout Operational Phase
3. Ensure that rehabilitation of the open voids takes place concurrently to mining.	
Rehabilitation will be undertaken concurrently with the mining in order to reduce the deterioration of the surrounding environment, including the groundwater regime to some extent.	Throughout Operational Phase
Rehabilitation will be undertaken in sequential layers with carbonaceous material (such as coal discard and carbonaceous overburden) at the bottom of the pit. The discard material will be placed below the coal seam during the backfilling of the opencast voids, to reduce the anticipated impacts on the groundwater	During Operational Phase and throughout Life of Mine
An application for Exemption from Regulation GN 704(4)(c), dated June 1999, under the NWA, 1998 (Act 36 of 1998) will be submitted to the DWAF for the backfilling of the opencast voids with carbonaceous overburden (and potentially also coal discard material)	Prior to December 2007. Conditions of approval of the requested Exemption will be implemented throughout Life of Mine

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2.3.2 Topography

Objective	: To minimise the impacts of mining on the topography.
Specific Goals	: Ensure that the continuous opening of three cuts at any point in time has minimum impact on the topography of the area. Ensure that the formation of the ROM stockpile has a minimum impact on the topography of the area. Ensure that excessive ponding on rehabilitated areas does not occur. Ensure that erosion of rehabilitated surfaces is minimised. Ensure that the safety aspects of changes in topography are well managed. Ensure that the impacts of infrastructure on topography are minimised.

Technical / Management Options:

The Mine surveyor will conduct all surveys, and plot all data, timeously, and will, in conjunction with General Manager or his appointed representative, ensure that stockpile heights remain within specified limits.

Action	Time Schedule
1. Ensure that the continuous opening of the three cuts at any point in time has minimum impact on the topography of the area.	
The Mine Surveyor will survey the opencast pits to ensure that the opencast operation is undertaken according to the approved mine plan.	Monthly for the entire Operational Phase.
Mine surveyor will also survey cuts to be constructed.	Prior to the construction of each new cut.
Rehabilitation of the opencast mining area will be conducted concurrently with mining. Only three cuts will be open at any given time with successive cuts used to systematically backfill preceding cuts. This will minimise the size of the void at any point in time.	During Operational Phase.
Spoil areas will be levelled and profiled, while voids will be backfilled and profiled continuously as mining proceeds.	During Operational Phase.
Open voids will be filled with a basal layer of shale and discard, not exceeding the coal horizon, and backfilled with overburden and subsoils.	During Operational Phase.
Filled voids will be compacted to promote encapsulation, prior to the placement of the subsoil and topsoil layers.	During Operational Phase.
Suitable rehabilitation techniques will be employed for the backfilling of the opencast voids, so as to promote free-drainage, and the re-establishment of pre-mining drainage patterns, as far as possible.	During Operational Phase.
An application for Exemption from Regulation GN 704(4)(c), dated June 1999, under the NWA, 1998 (Act 36 of 1998) will be submitted to the DWAF for the backfilling of the opencast voids.	Prior to December 2007. Conditions of approval of the requested Exemption will be implemented throughout Life of Mine
The final landscape configuration of the rehabilitated mined area will be pre-planned taking into account the depth of coal removed and the bulking ratio of the overburden replaced in the pit(s).	During Operational Phase.
The post-mining surface topography will be modelled using suitable software, to ensure that appropriate measures can be implemented concurrently with the mining activities to ensure that a free-draining surface can be achieved.	Prior to the commencement of rehabilitation during Operational Phase.
The Mine Surveyor will survey backfilled cuts to ensure that these are filled and rehabilitated to surface and conform to natural runoff patterns. No excessive ponding will be allowed.	After backfilling of each cut during Operational Phase of mine

Action	Time Schedule
2. Ensure that the formation of stockpiles has minimum impact on topography of the area.	
The ROM stockpile will not exceed height of 9 m.	During Operational Phase of the mine.
ROM stockpile to contain limited amount of product i.e. five days production or 8,000.00 m ³ of material.	During Operational Phase of the mine.
Topsoil stockpiles will be limited to 3 m in height, and will be vegetated to prevent erosion of the topsoil from occurring.	During Operational Phase.
Subsoil and overburden stockpiles will be limited to 9 m in height.	During Operational Phase.
3. Ensure that ponding on rehabilitated areas does not occur.	
Ponding on the rehabilitated surfaces will be discouraged.	During Operational and Decommissioning Phases of mine.
Pre-planning will allow for clean runoff from the rehabilitated area to reach the natural drainage channels outside the mining area in a controlled and uncontaminated manner.	During Operational and Decommissioning Phases of mine.
Monitoring for potential subsidence areas within the rehabilitated opencast will be undertaken to ensure that no excessive ponding of clean water on the rehabilitated pit surfaces occurs after rehabilitation of the surface areas has been completed, so as to prevent infiltration of excessive surface water to the groundwater.	During Operational and Decommissioning Phases of mine.
Should subsidence of the rehabilitated areas occur, maintenance will be undertaken to ensure that the identified subsidence areas are eliminated and the surfaces of the rehabilitated subsidence areas are suitably re-vegetated.	During Operational and Decommissioning Phases of mine.
4. Ensure that erosion of rehabilitated surfaces is minimised.	
Erosion on the exposed disturbed land use areas as well as rehabilitated land will be minimised by the establishment of a vegetation cover.	During Operational and Decommissioning Phases of mine.
The original gentle slopes will be re-instated as part of continuous rehabilitation, as far as possible.	During Operational and Decommissioning Phases of mine.
5. Ensure that the safety aspects of changes in topography are well managed.	
Access to high wall areas should be strictly managed to limit the impacts associated with these potentially dangerous high wall areas.	During Operational and Decommissioning Phases of mine, until final void is filled.
6. Ensure that the impacts of infrastructure on topography are minimised.	
The change in surface water flow patterns will be managed through the implementation of the surface water management measures as stipulated in the report titled, "A Division of Anglo Operations Ltd. Landau Colliery. Navigation West Block Opencast. Inputs to the Environmental Impact Assessment and Environmental Management	During Operational and Decommissioning Phases of mine.

Action	Time Schedule
<i>Programme for the Landau Colliery EMPR. Navigation West Opencast (North Block). Surface Water". Report No: IPC/NAVWEST/P1/2006/01, dated February 2007, compiled by Inprocon Consultants cc., which was attached to the Navigation West Section EIA as Appendix I.</i>	
The mitigation measures for the management of the visual impacts of the infrastructure at Navigation West Section have been discussed in Section 2.3.13 of this EMP.	During Operational and Decommissioning Phases of mine.
Topographical aspects will be taken into account during the development of the future Navigation West Section; South Block.	During Operational Phase of the North Block, prior to Construction Phase of the South Block.

2.3.3 Soil

Objective	: To minimise the impacts of mining on soil.
Specific Goals	: Ensure that the removal of top- and subsoil layers has minimum impact on soil. Ensure that replacing of topsoil in rehabilitated areas has minimum impact on soil. Ensure that erosion of replaced topsoil in the rehabilitated areas is prevented. Ensure that contamination of soil is prevented.

Technical / Management Options:

The General Manager or his appointed representative will ensure that the mining plan is followed and topsoil and subsoil is utilised as required within the mining plan and soil utilisation guide.

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Action	Time Schedule
1. Ensure that the removal of top- and subsoil layers has minimum impact on soil.	
Topsoil and subsoil removed from successive cuts will be used to backfill preceding cuts. Cuts will be filled with overburden material first, then subsoil and finally topsoil. This will minimise loss of soil and topsoil will be placed to a minimum depth of 300mm.	As soon as a new cut is constructed during Operational Phase of mining.
Areas to be stripped will be minimised in extent, as far as possible.	Throughout Operational Phase.
2. Ensure that replacing of topsoil in rehabilitated areas has minimum impact on soil.	
Topsoil will be replaced in consolidated blocks to avoid varying soil depth and fragmented land capability classes.	Throughout the Operational and Decommissioning Phases.
Spoil and cover-soil surfaces will be shaped to allow free-drainage	Throughout the Operational

throughout the area to prevent water logging and subsidence.	and Decommissioning Phases.
Soil amelioration will be done after rehabilitation based on soil analyses.	Throughout the Operational and Decommissioning Phases.
Soil compaction will be minimised by dumping sufficient soil per square unit to allow a once-off levelling on top, which will prevent compaction lower down in the soil profile.	Throughout the Operational and Decommissioning Phases
3. Ensure that erosion of replaced topsoil in the rehabilitated areas is prevented.	
Rehabilitated workings will be seeded in accordance with identified suitable seed mixture. This will reduce loss of topsoil to wind and water erosion.	As soon as cuts are backfilled and covered with topsoil.
4. Ensure that contamination of soil is prevented.	
Spillages of carbonaceous materials or hydrocarbons on soil will be cleaned up immediately in accordance with the Landau Colliery Emergency Procedure, and the soil will be rehabilitated.	Throughout the Operational and Decommissioning Phases.

2.3.4 Land Capability

Objective	: To minimise impacts of mining on land capability.
Specific Goals	: Ensure that soil movement does not result in severe reduction of land capability. Ensure that a seed mix of sustainable grasses is used to obtain an end land use of grazing.

Technical / Management Options:	
The General Manager or his appointed representative will ensure that the preceding cuts are filled as specified.	that the mining plan is followed, and

Action	Time Schedule
1. Ensure that soil movement does not result in severe reduction of land capability.	
Loss of topsoil will be minimised by filling the cuts with overburden, then subsoil and finally topsoil.	As coal is removed from mined workings and new cuts constructed during Operational Phase of mining.
To ensure rehabilitated land retains its land capability, sub-soil will be placed to a minimum depth of 1 m and arable topsoil used to backfill preceding cuts will be placed to a minimum depth of 300 mm.	As mined workings are backfilled and rehabilitated during Operational Phase of mining.
2. Ensure that a seed mix of sustainable grasses is used to obtain an end land use of grazing.	

Action	Time Schedule
The rehabilitated workings will be seeded with an appropriate seed mixture.	After rehabilitated workings are covered with topsoil.

2.3.5 Land Use

Objective	: To minimise impacts of mining on land use.
Specific Goals	: Ensure that rehabilitation of disturbed areas is undertaken in such a manner as to obtain an end land use of grazing. Ensure that rehabilitated areas are monitored and maintained. Ensure that land that is not used for mining is utilised sustainably. Ensure that the final end land use is agreed upon.

Technical / Management Options:

The General Manager or his appointed representative will ensure that the mining plan is followed, and that the preceding cuts are filled as specified.

Action	Time Schedule
1. Ensure that rehabilitation of disturbed areas is undertaken in such a manner as to obtain an end land use of grazing.	
Topsoil will be removed and stockpiled (or placed live) for use in rehabilitation.	Throughout Operational Phase.
The soft plinthic and weathered rock horizons will be stored separately from the carbonaceous overburden, and the hard and soft plinthic overburden layers will be replaced sequentially, as far as possible with a dragline.	Throughout Operational Phase.
Backfilled spoils will be covered with topsoil to a similar depth as prior to mining as far as possible.	Throughout Operational Phase.
Spoil and cover-soil surfaces will be shaped to allow free-drainage, to prevent water logging.	Throughout Operational Phase.
Subsidence will be rehabilitated (infilling and / or reshaping) to allow free-drainage.	Throughout Operational Phase.
Soil will be ameliorated in accordance with the soil analyses that will be undertaken prior to final rehabilitation.	Throughout Operational Phase.
Mixing of topsoil and spoil material, compaction of soil and acidification of the soil will be prevented through the implementation of continuous rehabilitation.	Throughout Operational Phase.
2. Ensure that rehabilitated areas are monitored and maintained.	