

APPENDIX Q7

WEED AND PEST PLAN – POST REHABILITATION EARTHWORKS

ANGAS PROCESSING FACILITY

MISCELLANEOUS PURPOSES LICENSE APPLICATION
2019/0826



ABN | 67 062 576 238

Unit 7 / 202-208 Glen Osmond Road | Fullarton SA 5063

WEED AND PEST PLAN – POST REHABILITATION EARTHWORKS

This weed and pest management plan is for the first five years after rehabilitation earthworks are complete. At the end of five years a review of this plan should be undertaken to determine if activities such as seed collection for infill seeding or planting is required moving forward.

This plan also includes monitoring field activities based around vegetation management and erosion monitoring, such as ecosystem function analysis (EFA) and vegetation photopoint annual photo taking. The EFA will be used to inform erosion and infill revegetation works should it be identified. Additionally for the first 5 years erosion inspections in August each year will be undertaken in the revegetated areas where there is a risk winter rainfall may cause erosion in areas where vegetation is not fully established. Inspections will followed the EFA transects as well as a general 'walkabout' recorded no GPS and photos of any issues identified. This is to pre-empt the EFA assessments in case unseasonal heavy winter rainfall causes an issue, allowing early intervention works to be undertaken. If the EFA is deemed sufficient monitoring after five years the August erosion inspections can be discontinued.

Hare proof fencing (900mm high mesh with 30mm mesh size) will be installed on the AZM operational area security fence, ensuring there are no visible gaps at the base. A light grader will be used to grade a minimum of a 100mm earth bund against the bottom of the fence.

Any fox or rabbit burrows observed are to be physically destroyed, post gassing with phostoxin (using NRM guidelines).

Hare fencing is to be inspected for holes, damage such as broken strainer wires, or scrapes underneath the fence that allows entry.

Hares are to be dispatched with a firearm by an appropriately trained and licensed person.

If rabbits are observed within the hare fencing than a summer baiting program will be implemented.

Weed outbreaks will be controlled by careful use of a quadbike (or similar) spraying between the direct seeding rows, or by backpack spot spraying. Selection of herbicide is left to the discription of a qualified land management professional and is dependent upon weed type and susceptibility of native vegetation nearby.

TIMING SCHEDULE

YEAR 1

<p style="text-align: center;">January</p>	<ul style="list-style-type: none"> - Control summer weeds - Collect seed
<p style="text-align: center;">February</p>	<ul style="list-style-type: none"> - Control summer weeds - Collect seed - Construct Hare proof mesh around security fence boundary
<p style="text-align: center;">March</p>	<p style="text-align: center;">Rehabilitation earthworks complete</p>
<p style="text-align: center;">April</p>	<ul style="list-style-type: none"> - Start knock down weed control
<p style="text-align: center;">May</p>	<ul style="list-style-type: none"> - Seed grasses and harrow in - Spread mulch either side of planned seed lines lines - Direct seed native woody perennial's - Grade contour lines
<p style="text-align: center;">June</p>	<ul style="list-style-type: none"> - Seed grasses and harrow in - Spread mulch either side of planned seed lines lines - Direct seed native woody perennial's - Grade contour lines
<p style="text-align: center;">July</p>	<ul style="list-style-type: none"> -Monitor erosion and remediate if required
<p style="text-align: center;">August</p>	<ul style="list-style-type: none"> -Monitor erosion and remediate if required
<p style="text-align: center;">September</p>	<ul style="list-style-type: none"> - Control winter weeds, use quadbike unit between seed lines or spot spraying - Monitor erosion and remediate if required
<p style="text-align: center;">October</p>	<ul style="list-style-type: none"> -Ecosystem Function Analysis monitoring -Vegetation photo point monitoring - inspect hare fencing

November	<ul style="list-style-type: none"> - Slash firebreak on boundary - Inspect for Rabbits, Hares and Foxes - Collect seed
December	<ul style="list-style-type: none"> - Control Rabbits, Hares and Foxes - Collect seed

TIMING SCHEDULE

YEAR 2

January	<ul style="list-style-type: none"> - Control summer weeds - Collect seed
February	<ul style="list-style-type: none"> - Control summer weeds
March	
April	<ul style="list-style-type: none"> -Monitor erosion and remediate if required
May	<ul style="list-style-type: none"> - Weed inspection & control - Collect seed
June	<ul style="list-style-type: none"> -Inspect for erosion and remediate if required
July	

August	-Inspect for erosion and remediate if required
September	- Control winter weeds
October	-Ecosystem Function Analysis monitoring -Vegetation photo point monitoring - Inspect hare fence
November	- Inspect for Rabbits, Hares and Foxes - Slash firebreak on boundary - collect grass seed
December	- Control Rabbits, Hares and Foxes, if burrows Observed, or hares sighted

TIMING SCHEDULE

YEAR 3

January	- Control summer weeds
February	- Control summer weeds
March	
April	-Inspect for erosion and remediate if required

May	<ul style="list-style-type: none"> - Weed control - Collect seed
June	<ul style="list-style-type: none"> -Infill direct seeding grasses and shrubs, trees if required
July	
August	<ul style="list-style-type: none"> -Inspect for erosion and remediate if required
September	<ul style="list-style-type: none"> - Control winter weeds
October	<ul style="list-style-type: none"> -Ecosystem Function Analysis monitoring -Vegetation photo point monitoring -Inspect hare fence
November	<ul style="list-style-type: none"> - Slash firebreak on boundary - Inspect for Rabbits, Hares, Foxes - Collect grass seed
December	<ul style="list-style-type: none"> - Control Pests if burrows present, or hares sighted - Collect seed for Tailings dam and mine area

TIMING SCHEDULE

YEAR 4

January	<ul style="list-style-type: none"> - Control summer weeds - Collect seed
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February	- Control summer weeds
March	
April	
May	<ul style="list-style-type: none"> - Collect seed - Weed control - Infill direct seed if required
June	-Infill direct seeding grasses and shrubs, trees if required
July	
August	-Inspect for erosion and remediate if required
September	- Control winter weeds
October	<ul style="list-style-type: none"> -Ecosystem Function Analysis monitoring -Vegetation photo point monitoring - inspect hare fence
November	<ul style="list-style-type: none"> - Slash firebreak on boundary - Inspect for Rabbits, Hares and Foxes - Collect grass seed
December	<ul style="list-style-type: none"> - Control Rabbits, Hares and Foxes - Collect seed

TIMING SCHEDULE

YEAR 5

January	<ul style="list-style-type: none">- Control summer weeds- Collect seed
February	<ul style="list-style-type: none">- Control summer weeds- Collect seed
March	
April	<ul style="list-style-type: none">-Inspect for erosion and remediate if required
May	<ul style="list-style-type: none">- Collecting seed- weed control- Infill direct seed if required
June	
July	
August	<ul style="list-style-type: none">-Inspect for erosion and remediate if required
September	<ul style="list-style-type: none">- Control winter weeds
October	<ul style="list-style-type: none">- Ecosystem Function Analysis monitoring-Vegetation photo point monitoringInspect hare fence

November	<ul style="list-style-type: none">- Slash firebreak on boundary- Inspect for Rabbits, Hares, Foxes
December	<ul style="list-style-type: none">- Control Rabbits, Hares, Foxes if required