

PRCP schedule

Environmental Protection Act 1994

PRCP schedule PRCP_BRMN0037_V1

This is the approved form for a PRCP schedule issued by the administering authority under Chapter 5 of the Environmental Protection Act 1994.

PRCP schedule: PRCP_BRMN0037_V1

PRCP schedule holder(s)

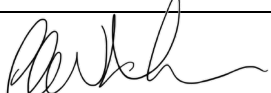
Name(s)	Registered address
Agriflex Pty Ltd ACN 132 019 357	Level 6, 44 Waymouth Street, Adelaide, SA 5000

Location details

Location(s)
Mining Lease (ML) tenement ML5542

Take effect

In accordance with section 202B of the *Environmental Protection Act 1994* (EP Act), the PRCP schedule has effect on the day the environmental authority for carrying out relevant activities on land to which the schedule relates takes effect. Pursuant to section 202C of the EP Act, a PRCP schedule continues in force until the environmental authority for the relevant activities to which the PRCP schedule relates is cancelled or surrendered, even if the resource tenure expires or is cancelled and even if the relevant environmental authority is suspended under Chapter 5, part 11 or 11A of the EP Act.



Signature

12/09/2022

Date

Chris Wake
Department of Environment and Science
Delegate of the administering authority
Environmental Protection Act 1994

Enquiries:
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Obligations under the *Environmental Protection Act 1994*

Pursuant to section 202E of the EP Act, if there is an inconsistency between an environmental authority and a PRCP schedule, the environmental authority prevails to the extent of the inconsistency.

Pursuant to section 285 of the EP Act:

- the holder of a PRCP schedule must commission an audit of the schedule by a rehabilitation auditor for the following periods (each an audit period) —
 - (a) the 3-year period starting on the day the schedule takes effect
 - (b) each 3-year period starting on the day after the previous audit period ended.
- the holder must, within 4 months after the end of each audit period, give the administering authority -
 - (a) the rehabilitation auditor's report (an audit report) about the audit that complies with section 286 of the EP Act, and
 - (b) a declaration for the audit report that complies with section 285 of the EP Act.

In addition to the requirements found in the conditions of this PRCP schedule, the holder must also meet their obligations under the environmental authority, the EP Act, and the regulations made under the EP Act. For example, the holder must comply with the following provisions of the EP Act:

- general environmental duty (section 319)
- duty to notify environmental harm (section 320-320G)
- offence of causing serious or material environmental harm (sections 437-439)
- offence of causing environmental nuisance (section 440)
- offence of depositing prescribed water contaminants in waters and related matters (section 440ZG)
- offence to place contaminant where environmental harm or nuisance may be caused (section 443).

PRCP schedule

The PRCP schedule incorporates the following sections:

- Section A - Conditions of PRCP schedule
- Section B - Final site design and reference maps
- Section C - Post mining land uses
- Section D - Non-use management areas.

Section A - Conditions of PRCP schedule

Pursuant to section 206A of the EP Act:

- it is a condition of this PRCP schedule that, in carrying out a relevant activity under the schedule, the holder must comply with a requirement stated in the environmental authority relevant to carrying out the activity.
- it is a condition of this PRCP schedule that the holder must comply with the following matters stated in the schedule -
 - (a) each rehabilitation milestone and management milestone
 - (b) when each rehabilitation milestone and management milestone is to be achieved

General conditions

- PRCP1** The holder must comply with each milestone criteria stated in the schedule
- PRCP2** Where a milestone criterion requires any of the following, the holder must keep records of the actions taken to comply with the criterion as well as the results and provide a copy of this information to the Administering Authority on request -
- (i) certifications or assessments to be undertaken;
 - (ii) monitoring or maintenance to be carried out;
 - (iii) final design plans and/or specifications to be developed; and
 - (iv) reports such as contaminated land investigations, rehabilitation reports (including monitoring records), validation reports, Quality Assurance/Quality Control reports.
- PRCP3** Where land becomes available for rehabilitation earlier than the nominated 'Date area is available', progressive rehabilitation for that land must commence as soon as practicable. Progressive rehabilitation commenced early under this condition must be carried out in accordance with the milestones and criteria in this schedule, except that each of the dates by which milestones are to be completed is brought forward by the same amount of time as the commencement was brought forward.
- PRCP4** Disturbance due to exploration activities in areas not authorised to be mined must be rehabilitated in accordance with the provisions detailed in the *Eligibility criteria and standard conditions for exploration and mineral development projects* or its successor, with the exception that land must be rehabilitated to a stable condition* that achieves the relevant PMLU as indicated by Figure 1 Final Site Design.

*stable condition is defined by s111A of the *Environmental Protection Act 1994*

END OF CONDITIONS

Section B - Final site design and reference maps

Figure 1: Final site design reference map 1 - Ardmore Start-Up Operation – Agriflex Pty Ltd

FINAL SITE DESIGN

Agriflex Ardmore Phosphate | PRCP Stage 1

FIGURE 3

ERIAS



Figure 2: Final site design reference map 2 - Ardmore Start-Up Operation – Agriflex Pty Ltd

Section C – Post mining land uses

(RA1) Rehabilitation area 1

Post-mining land uses (PMLU)				
Rehabilitation area	RA1			
Relevant activities	Pit and borrow pits			
Total rehabilitation area size (ha)	4.78			
Commencement of first milestone: RM1	10/12/2022			
PMLU	Grazing and native pastures			
Date area is available	10/12/22	10/12/24	10/12/25	10/12/31
Cumulative area available (ha)	4.78	4.78	4.78	4.78
Milestone completed by	10/12/23	10/12/25	10/12/31	10/12/32
Milestone Reference	Cumulative area achieved (ha)			
RM1	4.78			
RM3		4.78		
RM4		4.78		
RM5		4.78		
RM6			4.78	
RM7				4.78

(RA2) Rehabilitation area 2

Post-mining land uses (PMLU)				
Rehabilitation area	RA2			
Relevant activities	Tailings Storage Facility			
Total rehabilitation area size (ha)	2.93			
Commencement of first milestone: RM2	10/12/2022			
PMLU	Grazing and native pastures			
Date area is available	10/12/22	10/12/32	10/12/33	10/12/39
Cumulative area available (ha)	2.93	2.93	2.93	2.93
Milestone completed by	10/12/23	10/12/33	10/12/39	10/12/40
Milestone Reference	Cumulative area achieved (ha)			
RM2	2.93			
RM3		2.93		
RM4		2.93		
RM5		2.93		
RM6			2.93	
RM7				2.93

(RA3) Rehabilitation area 3

Post-mining land uses (PMLU)				
Rehabilitation area	RA3			
Relevant activities	ROM			
Total rehabilitation area size (ha)	3.24			
Commencement of first milestone: RM2	10/12/2022			
PMLU	Grazing and native pastures			
Date area is available	10/12/22	10/12/24	10/12/25	10/12/31
Cumulative area available (ha)	3.24	3.24	3.24	3.24
Milestone completed by	10/12/23	10/12/25	10/12/31	10/12/32
Milestone Reference	Cumulative area achieved (ha)			
RM2	2.93			
RM3		2.93		
RM4		2.93		
RM5		2.93		
RM6			2.93	
RM7				2.93

(RA4) Rehabilitation area 4

Post-mining land uses (PMLU)				
Rehabilitation area	RA4			
Relevant activities	Mine infrastructure areas (processing plant, access roads and exploration)			
Total rehabilitation area size (ha)	11.97			
Commencement of first milestone: RM2	10/12/2022			
PMLU	Grazing and native pastures			
Date area is available	10/12/22	10/12/24	10/12/25	10/12/31
Cumulative area available (ha)	3.24	3.24	3.24	3.24
Milestone completed by	10/12/23	10/12/25	10/12/31	10/12/32
Milestone Reference	Cumulative area achieved (ha)			
RM1	11.97			
RM2	11.97			
RM3		11.97		
RM4		11.97		
RM5		11.97		
RM6			11.97	
RM7				11.97

Rehabilitation area milestones

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure decommissioning/removal	a) all services that are not required to support the post mining land use have been disconnected and removed; b) all concrete, bitumen and gravel removed; c) all pipelines drained and removed; d) all fencing that is not part of the PMLU removed; e) all buildings demolished and/or removed; f) all machinery and equipment removed; g) all surface water drainage infrastructure that is not retained in the final landform removed; and h) all rubbish removed.
RM2	Remediation of contaminated land	a) Contaminated material either remediated in-situ or removed/transported to an approved facility for disposal and waste tracking information recorded and submitted. b) Contaminated land assessment undertaken by an appropriately qualified person ¹ indicates that no contamination unsuitable for the post-mining land use is occurring. Where required, a site investigation report including a site suitability statement prepared and submitted in accordance with the provisions of Chapter 7, Part 8 of the EP Act.

RM3	Landform development (reshaping/push to void/profiling/cleaning/clearing)	a) All major earthworks completed with evidence (e.g. photographs and surveys) b) Evidence (e.g. photographs, construction design and surveys) that the backfilled material is re-instated in the correct soil horizon order to ensure the soil profile available for vegetation regrowth is similar to that of the pre-mining condition c) Evidence (e.g. photographs and surveys) of land shaping that incorporates drainage where relevant to reinstate pre-mining drainage paths d) Evidence that soils with higher clay content and low permeability is used for the TSF cap (TSF only) e) RA1 - All void(s) backfilled to original topographic level (however slightly concave). f) RA2 - Tailings covered by >1m of compacted high clay material. g) RA2 - Compacted clay material covered by subsoil and topsoil to prevent desiccation of the clay layer and provide plant growth media. h) RA3 – ROM materials removed and transferred to backfill void(s). i) RA4 - Exploration costeans reprofiled and backfilled to original topographic level. j) All necessary erosion and sediment control measures are identified, implemented and maintained.
RM4	Surface preparation (topsoiling/contouring)	a) Shallow ripping or scarifying of the land during rehabilitation to encourage water capture and retain topsoil where placed b) Placement 10 mm of topsoil on disturbed areas where topsoil used to exist. c) An assessment of soil health and suitability is completed by an appropriately qualified person to confirm soil is suitable for target vegetation establishment and to determine the type and application rate of ameliorants and fertilisers. d) Where recommended by the soil health assessment, application of soil ameliorants and fertilisers are applied at rates determined by an appropriately qualified person e) All necessary erosion and sediment control measures are identified, implemented and maintained.

RM5	Revegetation (seeding planting)	a) Complete seeding using revegetation species list and sowing rate. b) Stock exclusion fencing installed (if/as relevant) c) Germination monitoring demonstrates establishment of groundcover of species from Table RM5. Table RM5 Indicative revegetation species list and sowing rate <table><tr><th>Form</th><th>Common name</th><th>Scientific Name</th><th>Sowing Rate</th></tr><tr><td>Tree</td><td><i>Inland Bloodwood</i></td><td><i>Corymbia terminalis</i></td><td><1kg/ha</td></tr><tr><td>Shrub</td><td><i>Whitewood</i></td><td><i>Atalaya hemiglauc</i></td><td><1kg/ha</td></tr><tr><td>Shrub</td><td>Bauhinia</td><td><i>Lysiphyllum gilvum</i></td><td><1kg/ha</td></tr><tr><td>Grass</td><td>Bunched Kerosene grass</td><td><i>Aristida contorta</i></td><td><1kg/ha</td></tr><tr><td>Grass</td><td>Hoop Mitchell grass</td><td><i>Astrebla elymoides</i></td><td><1kg/ha</td></tr><tr><td>Grass</td><td>Curly Mitchell grass</td><td><i>Astrebla lappacea</i></td><td><1kg/ha</td></tr><tr><td>Grass</td><td>Barley Mitchell grass</td><td><i>Astrebla pectinate</i></td><td><1kg/ha</td></tr><tr><td>Grass</td><td>Bull Mitchell grass</td><td><i>Astrebla squarrosa</i></td><td><1kg/ha</td></tr><tr><td>Grass</td><td>Golden Beard Grass (Ribbon) grass</td><td><i>Chrysopogon fallax</i></td><td><1kg/ha</td></tr><tr><td>Grass</td><td>Queensland bluegrass</td><td><i>Dichanthium sericeum subsp. Sericeum</i></td><td>2-4 kg/ha</td></tr><tr><td>Grass</td><td>Bottlewasher grasse</td><td><i>Enneapogon spp.</i></td><td><1kg/ha</td></tr><tr><td>Grass</td><td>Silky Browntop</td><td><i>Eulalia aurea</i></td><td><1kg/ha</td></tr><tr><td>Grass</td><td>Soft Spinifex</td><td><i>Triodia pungens</i></td><td><1kg/ha</td></tr></table> Information source: Golder (2022) report ‘Ardmore Start-Up Operation – Progressive Rehabilitation and Closure Plan: Mining Lease 5542 (Environmental Authority BRMN0037)’ (21463804-001-R-Rev1,10 June 2022), Table 18: Indicative revegetation species list and sowing rate.	Form	Common name	Scientific Name	Sowing Rate	Tree	<i>Inland Bloodwood</i>	<i>Corymbia terminalis</i>	<1kg/ha	Shrub	<i>Whitewood</i>	<i>Atalaya hemiglauc</i>	<1kg/ha	Shrub	Bauhinia	<i>Lysiphyllum gilvum</i>	<1kg/ha	Grass	Bunched Kerosene grass	<i>Aristida contorta</i>	<1kg/ha	Grass	Hoop Mitchell grass	<i>Astrebla elymoides</i>	<1kg/ha	Grass	Curly Mitchell grass	<i>Astrebla lappacea</i>	<1kg/ha	Grass	Barley Mitchell grass	<i>Astrebla pectinate</i>	<1kg/ha	Grass	Bull Mitchell grass	<i>Astrebla squarrosa</i>	<1kg/ha	Grass	Golden Beard Grass (Ribbon) grass	<i>Chrysopogon fallax</i>	<1kg/ha	Grass	Queensland bluegrass	<i>Dichanthium sericeum subsp. Sericeum</i>	2-4 kg/ha	Grass	Bottlewasher grasse	<i>Enneapogon spp.</i>	<1kg/ha	Grass	Silky Browntop	<i>Eulalia aurea</i>	<1kg/ha	Grass	Soft Spinifex	<i>Triodia pungens</i>	<1kg/ha
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RM6	Achievement of surface requirements (grazing)	a) Species richness and composition are statistically comparable to equivalent reference sites*. b) Pasture mass is statistically comparable to reference sites* over a 3 year period. c) Weed abundance is <10% of total vegetative cover. d) Persistent ground cover of >60%, comparative to reference sites*.																																																								

RM7	Achievement of post-mining land use to stable condition (grazing)	a) A contaminated land survey carried out by an appropriately qualified person indicates that no contamination unsuitable for the post-mining land use is occurring. b) Gully and rill erosion is not deeper than 15cm. c) There are no active areas of rill or gully erosion and drainage follows appropriate drainage paths. d) Weed and pest species abundance is no greater than at reference sites. e) At least 50% of established species show natural recruitment. f) Certification from an appropriately qualified person that the capping system of the TSF is functional, there is no evidence of salt rise and there is no migration of contaminants to groundwater. g) Surface water quality complies with the site specific water quality limits detailed in the environmental authority. h) Groundwater monitoring undertaken through the operational life and through the full period of rehabilitation establishment has demonstrated no potential impacts to any groundwater values resulting from the rehabilitated landforms. i) Evidence a soil profile has developed and is supporting vegetation.
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*Reference sites are defined as:

Site ID	Reference site association with disturbance type	Locations Easting	Locations Northing
Site 1	Mine pits	323857.48	7596069.86
Site 2	TSF and bund, Mine infrastructure, exploration areas, and tracks and laydown area	323902.54	7595716.90
Site 3	ROM and overburden	323749.32	7595792.17

Information source: Golder (2022) report 'Ardmore Start-Up Operation – Progressive Rehabilitation and Closure Plan: Mining Lease 5542 (Environmental Authority BRMN0037)' (21463804-001-R-Rev1, 10 June 2022), Table 23: Proposed reference sites. Note: A proposed Site 4 reference site would be located within a mine disturbance area. With agreement, proposed Site 4 is omitted and the proposed Site 2 reference site, associated with TSF and bund disturbance, is additionally associated with Mine infrastructure, exploration areas, and tracks and laydown area disturbance.

END OF PRCP SCHEDULE