

Progressive Rehabilitation and Closure Plan Schedule template

Instructions

General Instructions:

- This form can be used for completing a PRCP schedule for the submission of a progressive rehabilitation and closure plan (PRC plan).
- See the PRCP schedule section of the PRC plan guideline (ESR/2019/4964) for further information requirements.

- A default value of one (1) Rehabilitation Area (RA) is represented by one RA sheets below (RA1).
- A default value of one (1) Improvement Area (IA) is represented by one IA sheet below (IA1).

- To record additional RAs for your project make a copy of the RA sheet below and update it to the relevant RA number (i.e. RA2).
- To record additional IAs for your project make a copy of the IA sheet below and update it to the relevant IA number (i.e. IA2).
- To remove the IA sheet if there is no IA for your project, delete the IA sheet below.

- Each RA and IA sheet contains **two separate excel tables** (yellow and blue) for recording the time-based rehabilitation milestones.
- Add a new column or row to each table as required for your information requirements.

- Two (2) separate sheets below exist for recording the "Rehabilitation Area Milestones" and "Improvement Area Milestones".
- Delete the Improvement Area Milestone sheet if it does not apply to your project.
- Delete additional rows in either sheet if they do not apply to your project.
- See the PRC plan guideline for a list of reference milestones and further information for developing additional site-specific milestones where appropriate.

Further Instructions when inputting PMLUs

Headings under Rehabilitation Area (RA) sheets

Rehabilitation area - The rehabilitation area must align with the spatial information included in the rehabilitation planning part of the PRC plan. This area must have the same PMLU and same milestones applied to the whole area.

Relevant activities - The relevant activities must align with the activities identified in the rehabilitation planning part of the PRC plan. The relevant activities are those undertaken within the rehabilitation area prior to land becoming available for rehabilitation.

Total size of rehabilitation area (ha) - Total size of rehabilitation area in hectares.

Commencement of first milestone - The applicant must nominate a date for when the first milestone for the rehabilitation area will commence. The milestone reference for the first milestone must be included in the heading.

PMLU - The PMLU must align with those identified in the rehabilitation planning part of the PRC plan and in the proposed final site design.

Date area is available - The PRCP schedule must identify when land within the rehabilitation area becomes available for rehabilitation. If the whole rehabilitation area becomes available at once there should be only one date. If the rehabilitation areas becomes available progressively there should be multiple dates. These dates should reflect the information provided in the rehabilitation planning part of the PRC plan.

Cumulative area available (ha) - The PRCP schedule must identify the area of land within the rehabilitation area that will become available at a given time.

Milestone completed by - The PRCP schedule must identify completion dates for milestones to be completed.

Cumulative area achieved (ha) - The PRCP schedule must show how progressive rehabilitation is being achieved over the life of the mine. This section must reflect the proposed rehabilitation work required for the rehabilitation area to achieve stable condition. The milestone reference to be included refers back to the Rehabilitation Area Milestones sheet with the detailed milestone criteria. The milestones must be achieved consecutively.

Headings under Rehabilitation Area Milestones sheet

Rehabilitation milestone & Milestone criteria - The "rehabilitation milestone" is a short description of the rehabilitation activities. The "milestone criteria" must be able to demonstrate achievement of the milestone.

Further Instructions when inputting NUMAs

Headings under Improvement Area (IA) sheets

Improvement area - The improvement area must align with the spatial information included in the rehabilitation planning part of the PRC plan. This area must have the same NUMA and same milestones applied to the whole area.

Relevant activities - The relevant activities must align with the activities identified in the rehabilitation planning part of the PRC plan. The relevant activities are those undertaken within the improvement area prior to land becoming available for improvement.

Total size (ha) - Total size of improvement area in hectares.

Commencement of first milestone - The applicant must nominate a date for when the first milestone for the improvement area will commence. The milestone reference for the first milestone must be included in the heading.

NUMA - The NUMA must align with those identified in the rehabilitation planning part of the PRC plan and in the proposed final site design.

Date area is available - The PRCP schedule must identify when land within the improvement area becomes available for improvement. If the whole improvement area becomes available at once there should be only one date. If the improvement areas becomes available progressively there should be multiple dates. These dates should reflect the information provided in the rehabilitation planning part of the PRC plan.

Cumulative area available (ha) - The PRCP schedule must identify the area of land within the improvement area that will become available at a given time.

Milestone completed by - The PRCP schedule must identify completion dates for milestones to be completed.

Cumulative area achieved (ha) - The PRCP schedule must show how progressive improvement is being achieved over the life of the mine. This section must reflect the proposed management work required for the improvement area to achieve sufficient improvement. The milestone reference refers back to the Improvement Area Milestones sheet with the detailed milestone criteria. The milestones must be achieved consecutively.

Headings under Improvement Area Milestones sheet

Attachment 1 - Progressive Rehabilitation and Closure Schedule

Post-mining land uses (PMLU)																								
Rehabilitation area		RA1																						
Relevant activities		In-pit and Out-of-pit Waste Emplacement (Slopes <12.5%)																						
Total rehabilitation area size (ha)		944																						
Commencement of first milestone: RM5		10/12/2025																						
PMLU		Grazing																						
Date area is available	10/12/25	10/12/27	10/12/29	10/12/31	10/12/33	10/12/35	10/12/37	10/12/39	10/12/41	10/12/43	10/12/45	10/12/47	10/12/49	10/12/51	10/12/53	10/12/55	10/12/57							
Cumulative area available (ha)	73	114	149	182	194	260	349	480	624	658	701	799	838	887	894	909	944							
Milestone completed by	10/12/27	10/12/29	10/12/31	10/12/33	10/12/35	10/12/37	10/12/39	10/12/41	10/12/43	10/12/45	10/12/47	10/12/49	10/12/51	10/12/53	10/12/55	10/12/57	10/12/59	10/12/61	10/12/63	10/12/65	10/12/67	10/12/69	10/12/71	10/12/73
Milestone Reference	Cumulative area achieved (ha)																							
RM5	73	114	149	182	194	260	349	480	624	658	701	799	838	887	894	909	944							
RM6		73	114	149	182	194	260	349	480	624	658	701	799	838	887	894	909	944						
RM7		73	114	149	182	194	260	349	780	624	658	701	799	838	887	894	909	944						
RM8					73	114	149	182	194	260	349	480	624	658	701	799	838	887	894	909	944			
RM9								73	114	149	182	194	260	349	480	624	658	701	799	838	887	894	909	944

- 1) Insert new columns to the yellow table to include further rehabilitation milestone dates.
2) Insert new columns to the blue table to match rehabilitation milestone dates.
3) Insert new rows to the blue table to include additional rehabilitation milestone references.
4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Attachment 1 - Progressive Rehabilitation and Closure Schedule

Post-mining land uses (PMLU)																											
Rehabilitation area				RA2																							
Relevant activities				In-pit and Out-of-Pit Waste Emplacement (Slopes 0 to <27%)																							
Total rehabilitation area size (ha)				1264																							
Commencement of first milestone: RMS				10/12/2024																							
PMLU				Native Vegetation																							
Date area is available	10/12/24	10/12/30	10/12/32	10/12/34	10/12/36	10/12/38	10/12/40	10/12/42	10/12/44	10/12/46	10/12/48	10/12/50	10/12/52	10/12/54	10/12/56												
Cumulative area available (ha)	56	97	148	225	304	338	357	467	580	709	813	911	1099	1213	1264												
Milestone completed by	10/12/26	10/12/32	10/12/34	10/12/36	10/12/38	10/12/40	10/12/42	10/12/44	10/12/46	10/12/48	10/12/50	10/12/52	10/12/54	10/12/56	10/12/58	10/12/60	10/12/62	10/12/64	10/12/66	10/12/68	10/12/70	10/12/72	10/12/74	10/12/76	10/12/78	10/12/80	10/12/82
Milestone Reference	Cumulative area achieved (ha)																										
RMS	56	97	148	225	304	338	357	467	580	709	813	911	1099	1213	1264												
RM6		56	97	148	225	304	338	357	467	580	709	813	911	1099	1213	1264											
RM7		56	97	148	225	304	338	357	467	580	709	813	911	1099	1213	1264											
RM10					56	97	148	225	304	338	357	467	580	709	813	911	1099	1213	1264								
RM11													56	97	148	225	304	338	357	467	580	709	813	911	1099	1213	1264

- 1) Insert new columns to the **yellow table** to include further rehabilitation milestone dates.
- 2) Insert new columns to the **blue table** to match rehabilitation milestone dates.
- 3) Insert new rows to the **blue table** to include additional rehabilitation milestone references.
- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Post-mining land uses (PMLU)										
Rehabilitation area		RA3								
Relevant activities		Twelve Mile Creek Diversion								
Total rehabilitation area size (ha)		53								
Commencement of first milestone: RM5		10/12/2035								
PMLU		Native Vegetation (Riparian)								
Date area is available	10/12/35									
Cumulative area available (ha)	53									
Milestone completed by	10/12/37	10/12/38	10/12/39	10/12/44	10/12/59					
Milestone Reference	Cumulative area achieved (ha)									
RM5	53									
RM6		53								
RM7			53							
RM12				53						
RM13					53					

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Post-mining land uses (PMLU)										
Rehabilitation area		RA4								
Relevant activities		Water Management Infrastructure (Water Storage)								
Total rehabilitation area size (ha)		18								
Commencement of first milestone: RM1		10/12/2056								
PMLU		Water Storages								
Date area is available	10/12/56									
Cumulative area available (ha)	18									
Milestone completed by	10/12/58	10/12/60	10/12/62	10/12/63	10/12/64	10/12/66				
Milestone Reference	Cumulative area achieved (ha)									
RM1	18									
RM2		18								
RM5			18							
RM6				18						
RM7					18					
RM14						18				

- 1) Insert new columns to the yellow table to include further rehabilitation milestone dates.
- 2) Insert new columns to the blue table to match rehabilitation milestone dates.
- 3) Insert new rows to the blue table to include additional rehabilitation milestone references.
- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Post-mining land uses (PMLU)										
Rehabilitation area		RA5								
Relevant activities		DE-Pit TSF								
Total rehabilitation area size (ha)		2								
Commencement of first milestone: RM1		10/12/2037								
PMLU		Native Vegetation								
Date area is available	10/12/37									
Cumulative area available (ha)	2									
Milestone completed by	10/12/39	10/12/41	10/12/46	10/12/48	10/12/49	20/12/50	20/12/55	20/12/70		
Milestone Reference	Cumulative area achieved (ha)									
RM1	2									
RM2		2								
RM3			2							
RM5				2						
RM6					2					
RM7						2				
RM10							2			
RM11								2		

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- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Post-mining land uses (PMLU)															
Rehabilitation area		RA6													
Relevant activities		DE-Pit TSF and DOM1 TSF													
Total rehabilitation area size (ha)		59													
Commencement of first milestone: RM1		10/12/2037													
PMLU		Grazing													
Date area is available	10/12/37	10/12/39	10/12/41	10/12/46	10/12/48	10/12/49	10/12/53								
Cumulative area available (ha)	7	7	7	7	7	7	59								
Milestone completed by	10/12/39	10/12/41	10/12/46	10/12/48	10/12/49	20/12/50	10/12/55	10/12/2057	10/12/60	10/12/62	10/12/64	10/12/65	10/12/66	10/12/71	10/12/76
Milestone Reference	Cumulative area achieved (ha)														
RM1	7	7	7	7	7	7	59								
RM2		7	7	7	7	7	7	59							
RM3			7	7	7	7	7	7	7	59					
RM5				7	7	7	7	7	7	7	59				
RM6					7	7	7	7	7	7	7	59			
RM7						7	7	7	7	7	7	7	59		
RM8							7	7	7	7	7	7	7	59	
RM9								7	7	7	7	7	7	7	59

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Post-mining land uses (PMLU)										
Rehabilitation area		RA7								
Relevant activities		Infrastructure Areas (Retained Infrastructure)								
Total rehabilitation area size (ha)		12								
Commencement of first milestone: RM1		10/12/2057								
PMLU		Retained Infrastructure								
Date area is available	10/12/57									
Cumulative area available (ha)	12									
Milestone completed by	10/12/59	10/12/61	10/12/63	10/12/64	10/12/68					
Milestone Reference	Cumulative area achieved (ha)									
RM1	12									
RM2		12								
RM5			12							
RM6				12						
RM15					12					

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Post-mining land uses (PMLU)																
Rehabilitation area				RA8												
Relevant activities				Infrastructure Areas (Grazing)												
Total rehabilitation area size (ha)				292												
Commencement of first milestone: RM1				10/12/2043												
PMLU				Grazing												
Date area is available	10/12/43	10/12/45	10/12/47	10/12/49	10/12/51	10/12/53	10/12/55									
Cumulative area available (ha)	10	45	92	106	117	135	292									
Milestone completed by	10/12/45	10/12/47	10/12/49	10/12/51	10/12/53	10/12/55	10/12/57	10/12/59	10/12/61	10/12/63	10/12/65	10/12/67	10/12/69	10/12/71	10/12/73	10/12/75
Milestone Reference	Cumulative area achieved (ha)															
RM1	10	45	92	106	117	135	292									
RM2		10	45	92	106	117	135	292								
RM5			10	45	92	106	117	135	292							
RM6				10	45	92	106	117	135	292						
RM7				10	45	92	106	117	135	292						
RM8							10	45	92	106	117	135	292			
RM9										10	45	92	106	117	135	292

- 1) Insert new columns to the yellow table to include further rehabilitation milestone dates.
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- 3) Insert new rows to the blue table to include additional rehabilitation milestone references.
- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Post-mining land uses (PMLU)																		
Rehabilitation area				RA9														
Relevant activities				Infrastructure Areas (Native Vegetation)														
Total rehabilitation area size (ha)				50														
Commencement of first milestone: RM1				10/12/2042														
PMLU				Native Vegetation														
Date area is available	10/12/2042	10/12/2044	10/12/2046	10/12/2048	10/12/2050	10/12/2052	10/12/2054											
Cumulative area available (ha)	1	6	16	18	37	46	50											
Milestone completed by	10/12/2044	10/12/2046	10/12/2048	10/12/2050	10/12/2052	10/12/2054	10/12/2056	10/12/2058	10/12/2060	10/12/2062	10/12/2064	10/12/2070	10/12/2072	10/12/2074	10/12/2076	10/12/2078	10/12/2080	10/12/2082
Milestone Reference	Cumulative area achieved (ha)																	
RM1	1	6	16	18	37	46	50											
RM2		1	6	16	18	37	46	50										
RM5			1	6	16	18	37	46	50									
RM6				1	6	16	18	37	46	50								
RM7				1	6	16	18	37	46	50								
RM10							1	6	16	18	46	50						
RM11													1	6	16	18	46	50

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- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Post-mining land uses (PMLU)										
Rehabilitation area			RA10							
Relevant activities			Existing Rehabilitation (Native Vegetation)							
Total rehabilitation area size (ha)			168							
Commencement of first milestone: RM10			10/12/2024							
PMLU			Native Vegetation							
Date area is available	10/12/24									
Cumulative area available (ha)	168									
Milestone completed by	10/12/29	10/12/2044								
Milestone Reference	Cumulative area achieved (ha)									
RM10	168									
RM11		168								

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- 3) Insert new rows to the blue table to include additional rehabilitation milestone references.
- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Attachment 1 - Progressive Rehabilitation and Closure Schedule

Post-mining land uses (PMLU)																									
Rehabilitation area		RA11																							
Relevant activities		Existing Rehabilitation to be re-disturbed (Native Vegetation)																							
Total rehabilitation area size (ha)		149																							
Commencement of first milestone:		10/12/2031																							
PMLU		Native Vegetation																							
Date area is available	10/12/31	10/12/33	10/12/35	10/12/37	10/12/39	10/12/41	10/12/43	10/12/45	10/12/47	10/12/49	10/12/51	10/12/53													
Cumulative area available (ha)	32	35	35	35	40	40	127	127	127	149	149	149													
Milestone completed by	10/12/33	10/12/35	10/12/37	10/12/39	10/12/41	10/12/43	10/12/45	10/12/47	10/12/49	10/12/51	10/12/53	10/12/55	10/12/57	10/12/59	10/12/61	10/12/63	10/12/65	10/12/67	10/12/69	10/12/71	10/12/73	10/12/75	10/12/77	10/12/79	10/12/81
Milestone Reference	Cumulative area achieved (ha)																								
RM4	32	35	35	35	40	40	127	127	127	149	149	149													
RM5		32	35	35	35	40	40	127	127	127	149	149	149												
RM6			32	35	35	35	40	40	127	127	127	149	149	149											
RM7			32	35	35	35	40	40	127	127	127	149	149	149											
RM10						32	35	35	35	40	40	127	127	127	149	149	149								
RM11													32	35	35	35	40	40	127	127	127	149	149	149	

- 1) Insert new columns to the yellow table to include further rehabilitation milestone dates.
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- 3) Insert new rows to the blue table to include additional rehabilitation milestone references.
- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Post-mining land uses (PMLU)																	
Rehabilitation area				RA12													
Relevant activities				Existing Rehabilitation to be re-disturbed (Grazing)													
Total rehabilitation area size (ha)				153													
Commencement of first milestone: RM5				10/12/2034													
PMLU				Grazing													
Date area is available	10/12/34	10/12/36	10/12/38	10/12/40	10/12/42	10/12/48	10/12/50	10/12/2052	10/12/2054	10/12/56							
Cumulative area available (ha)	2	14	55	73	88	129	129	129	129	153							
Milestone completed by	10/12/36	10/12/38	10/12/40	10/12/42	10/12/44	10/12/50	10/12/2052	10/12/2054	10/12/2056	10/12/58	10/12/60	10/12/62	10/12/64	10/12/68	10/12/70	10/12/72	10/12/74
Milestone Reference	Cumulative area achieved (ha)																
RM5	2	14	55	73	88	129	129	129	129	153							
RM6		2	14	55	73	88	129	129	129	129	153						
RM7		2	14	55	73	88	129	129	129	129	153						
RM8					2	14	55	73	88	129	129	129	153				
RM9						2	2	2	14	55	73	88	129	129	129	129	153

- 1) Insert new columns to the yellow table to include further rehabilitation milestone dates.
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- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Post-mining land uses (PMLU)										
Rehabilitation area		RA13								
Relevant activities		Undisturbed Land								
Total rehabilitation area size (ha)		4230								
Commencement of first milestone: RM9		10/12/2024								
PMLU		Grazing								
Date area is available	10/12/24									
Cumulative area available (ha)	4230									
Milestone completed by	10/12/29									
Milestone Reference	Cumulative area achieved (ha)									
RM9	4230									

- 1) Insert new columns to the yellow table to include further rehabilitation milestone dates.
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- 3) Insert new rows to the blue table to include additional rehabilitation milestone references.
- 4) Insert the relevant number in the "Milestone reference" column (i.e. RM1).

Non-use management area (NUMA)										
Improvement area				IA1						
Relevant activities				Residual Voids						
Total size (ha)				882						
Commencement of first milestone: MM1				10/12/2048						
NUMA				NUMA						
Date area is available	10/12/48	10/12/49	10/12/50	10/12/53	10/12/56	10/12/57				
Cumulative area available (ha)	143	197	239	366	745	882				
Milestone completed by	10/12/53	10/12/54	10/12/55	10/12/58	10/12/61	10/12/62	10/12/66	10/12/69	10/12/70	
Milestone Reference	Cumulative area achieved (ha)									
MM1	143	197	239	366	745	882				
MM2			143	239	366	745	882			
MM3					143	239	366	745	882	

- 1) Insert new columns to the **yellow table** to include further management milestone dates.
- 2) Insert new columns to the **blue table** to match management milestone dates.
- 3) Insert new rows to the blue table to include additional management milestone references.
- 4) Insert the relevant number in the "Milestone reference" column (i.e. MM1).

Attachment 1 - Progressive Rehabilitation and Closure Schedule

Milestone reference	Rehabilitation milestone	Milestone criteria
RM1	Infrastructure Decommissioning and Removal	1.All services disconnected and decommissioned, unless agreed in writing by landholders and relevant agencies. 2.All built infrastructure demolished and removed, unless agreed in writing by landholders and relevant agencies. 3.All water management infrastructure not required for water management in post-mining landscape decommissioned, unless agreed in writing by landholders and relevant agencies. 4.All roads and access tracks removed, unless agreed in writing by landholders and relevant agencies. 5.All wastes and hazardous materials removed from site and lawfully disposed of. 6.Concrete pads, where not retained by landholder agreement (as approved by relevant agencies), are removed to a depth of 1.5 m below the landform elevation and backfilled to ground level or higher (for settlement).
RM2	Remediation of Contaminated Land	1.Contaminated water (e.g. affected by hydrocarbons, metals, etc.) is treated. 2.Contaminated land assessment undertaken by an appropriately qualified person (AQP¹). 3.Any contaminated material either remediated in situ, encapsulated, or removed/transported to an approved landfill for disposal, and waste tracking information recorded and submitted. 4.Validation testing confirms that contaminated materials have been removed or remediated. 5.Evidence that all measures required in contaminated land assessments have been implemented. 6.If 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. Additional PMLU Criteria for RA6 (Grazing): 1.Contaminated land assessment conducted to verify the proposed use is suitable. 2.No exposed hazardous materials at surface determined by results of site contaminated land investigation including exposure due to erosion. Additional PMLU Criteria for RA5 (Native Vegetation): 1.Contaminated land assessment conducted to verify the proposed use is suitable. 2.No exposed hazardous materials at surface determined by results of site contaminated land investigation including exposure due to erosion. ¹AQP: a person who has professional qualifications, training, skills, or experience relevant to the nominated subject matter and can give authoritative assessment, advice and analysis on performance relating to the subject matter using the relevant protocols, standards, methods, or literature.
RM3	Installation of Cover System/Capping	1.Certification from an AQP that tailings have dried and settled prior to capping. 2.Minimum capping layer of 4 m of non-acid forming material. 3.Certification from appropriately qualified person that surface capped with suitable material that has been certified as complying with design requirements.
RM4	Vegetation Removal	1. All vegetation is stripped from the landform and lawfully disposed of. 2. Topsoil stripped at a depth of 200 mm and stockpiled in accordance with the topsoil management plan.
RM5	Landform Development	1.All major earthworks completed to landform design in accordance with Condition F20 of the EA EPML00844613. 2.Final landform provides flood protection to all residual voids up to and including a 0.1% AEP and, where landform is required to function as permanent flood protection for a residual void, achieves a FoS of 1.2 and meets engineering design. 3.Where required, water management and erosion control structures (e.g. drainage swales and diversion channels) installed per design and certified by an AQP. 4.Geotechnical stability of built landforms confirmed by AQP. 5.Voids are backfilled to ground level or higher (for settlement) and self-draining, according to criteria in Condition F20 of the EA. 6.Spoil is shaped to be sympathetic to and consistent with the surrounding unmined areas, in accordance with Condition F20 of the EA. 7.Records retained of as built drawings to completely backfill void to certify that it is operating in accordance with landform and mine closure design and associated criteria in Condition F20 of the EA. 8.Records retained of reshaping of out-of-pit waste emplacement to certify that it is operating in accordance with landform and mine closure design and associated criteria in Condition F20 of the EA. 9. Water management infrastructure and erosion control structures installed as required.
RM5 Continued	Landform Development	Additional PMLU Criteria for RA1, RA8, RA12 and RA13 (Grazing): 1.Slopes are no greater than 12.5%. 2.Where required, benign Permian spoil cover is spread to a depth of 1 m and rock mulch to a depth of 0.4 m to minimise erosion. Additional PMLU Criteria for RA2, RA9, RA 10 and RA11 (Native Vegetation): 1.Slopes are no greater than 27%. 2.Where required, benign Permian spoil cover is spread to a depth of 1 m and rock mulch to a depth of 1 m to minimise erosion. Additional PMLU Criteria for RA3 (Native Vegetation [Riparian]): 1.Slopes are consistent with Twelve Mile Creek Diversion Functional Design. 2.Certification from an AQP that the diversion is constructed to design. Additional PMLU Criteria for RA4 (Water Storage): 1.Geotechnical stability confirmed by appropriately qualified hydro-geotechnical engineer. 2.Bywash/spillway structures confirmed to have adequate capacity. Additional PMLU Criteria for RA6 (Grazing): 1.Slopes are no greater than 12.5%. 2.Where required, benign Permian spoil cover is spread to a depth of 1 m and rock mulch to a depth of 0.4 m to minimise erosion. 3.A suitability qualified geotechnical engineer certifies that batters are safe and achieves a minimum factor of safety of 2. Additional PMLU Criteria for RA5 (Native Vegetation): 1.Slopes are no greater than 25%. 2.Where required, benign Permian spoil cover is spread to a depth of 1 m and rock mulch to a depth of 1 m to minimise erosion. 3.A suitability qualified geotechnical engineer certifies that batters are safe and achieves a minimum factor of safety of 2.
RM6	Surface Preparation	1.Certification that the growth medium has physical properties (e.g. rockiness, depth of soil, wetness and plant available water capacity) are adequate to sustain vegetation growth and chemical properties do not limit its suitability for vegetation growth. 2.Topsoil, or other growth medium such as benign waste rock or subsoil, is spread to a depth of 200 mm (+/- 50 mm). 3.Ameliorate spoil as required to a depth of a minimum of 200 mm to suitably stabilise the landform and promote vegetative establishment. 4.Ameliorants, where required, applied by an appropriately qualified person to achieve the PMLU at the following rates: - 5 t/ha of gypsum; - 50 kg/ha DAP with added zinc; - 100 kg/ha of urea; and - 100 kg/ha of coated (slow release) urea. Additional PMLU Criteria for RA1, RA6, RA8, RA12 and RA13 (Grazing): 1.Soil ripped on the contour.
RM7	Revegetation	1.Water management and erosion control structures, where required, are vegetated with stoloniferous grasses or other suitable ground cover. 2.Vegetated with a mix of perennial pasture species (grasses and legumes) and low-density wooded vegetation (for livestock shelter) suited to the reinstated soils, capable of sustaining grazing activities and providing stabilising groundcover. Additional PMLU Criteria for RA1, RA6, RA8, RA12 and RA13 (Grazing): 1. Direct seeding of palatable perennial pasture species seed mix at 1-4 kg/ha. Additional PMLU Criteria for RA2, RA5, RA9, RA 10 and RA11 (Native Vegetation): 1.Seeding of native species at 1-4 kg/ha for grasses, 1-2 kg/ha for legumes, 0.2-1 kg/ha for shrubs and 0.2-1 kg/ha for trees. 2.Planting of native species and/or tubestock at 350 stems per hectare, where required. Additional PMLU Criteria for RA3 (Native Vegetation [Riparian]): 1.Planting of native species and/or tubestock at 350 stems per hectare, where required. 2.Seeding with riparian and riverine vegetation at 1-4 kg/ha for grasses, 1-2 kg/ha for legumes, 0.2-1 kg/ha for shrubs and 0.2-1 kg/ha for trees.
RM8	Surface Conditions - Grazing	1.No active rill, piping, or gully erosion. 2.Certification by an AQP that drainage follows appropriate pathways. 3.Vegetation dominated by pasture grass and legume species. 4.Vegetation dominated by >70% palatable perennial pasture cover.
RM9	Safe, stable and Sustainable Condition – Grazing	1.Hazard and Safety Assessment completed by an AQP demonstrates hazards are consistent with the type and severity of hazards typical of neighbouring equivalent land use. Remaining hazards are considered to be low risk with no significant increase in risk expected over time. - Erosion rates comparable to reference sites as determined by Condition F15 of the EA. - Soil nutrient concentrations and nutrient cycling comparable to reference sites as determined by Condition F15 of the EA. - Annual monitoring indicates an absence of declared pest and weed species. - Evidence of natural recruitment (flowering, germination, viable seed and emergence) of palatable perennial pasture species. - Groundcover comprises >70% palatable perennial pasture cover. - Water quality in receiving waters does not exceed the limits in EA Table C5. - Run-off into receiving waters does not exceed the limits in EA Table C2. - Land suitability assessment by an AQP certifies that land has achieved a minimum post-mine land suitability Class of 4, and land is capable of supporting light intensity grazing. - Evidence that measures required in site contaminated land investigation report have been implemented. Additional PMLU Criteria for RA6 (Grazing): 1.Final surface is free-draining and includes drainage structures to channel run-off and to minimise erosion and surface water ponding.

Attachment 1 - Progressive Rehabilitation and Closure Schedule

RM10	Surface Conditions – Native Vegetation	1.No active rill, piping or gully erosion. 2.Certification by an AQP that drainage follows appropriate pathways. 3.Wooded vegetation density achieves a minimum of 350 stems per hectare. 4.Tree, shrub, and grass diversity and cover % are on a demonstrated trajectory towards being comparable to reference sites described in Condition F15 of the EA. 5.A minimum of eight target species per hectare established.
RM11	Safe, stable and Sustainable Condition – Native Vegetation	1.Hazard and Safety Assessment completed by an AQP demonstrates hazards are consistent with the type and severity of hazards typical of neighbouring equivalent land use. Remaining hazards are considered to be low risk with no significant increase in risk expected over time. 2.Erosion rates comparable to reference sites as determined by Condition F15 of the EA. 3.Soil nutrient concentrations and nutrient cycling comparable to reference sites as determined by Condition F15 of the EA. 4.Annual monitoring indicates an absence of declared pest and weed species. 5.Evidence of natural recruitment (flowering, germination, viable seed, and emergence) of native trees and shrubs. 6.Pest and weed density comparable to reference site determined by Condition F15 of the EA. 7.Water quality in receiving waters does not exceed the limits in EA Table C5. 8.Run-off into receiving waters does not exceed the limits in EA Table C2. 9.Ground cover comprises >30% living ground cover and >70% overall groundcover (includes live, dead, and non-vegetative). 10.Evidence that measures required in site contaminated land investigation report have been implemented. Additional PMLU Criteria for RA5 (Native Vegetation): 1.Final surface is free-draining and includes drainage structures to channel run-off and to minimise erosion and surface water ponding.
RM12	Surface Conditions – Native Vegetation (Riparian)	1.No active rill, piping, or gully erosion. 2.Certification by an appropriately qualified person that drainage follows appropriate pathways. 3.Vegetation dominated by native riparian species. 4.Similar geomorphology to regional ephemeral drainage lines as part of design plan in Condition F20 of the EA.
RM13	Safe, stable and Sustainable Condition – Native Vegetation (Riparian)	1.Hazard and Safety Assessment completed by an appropriately qualified person demonstrates hazards are consistent with the type and severity of hazards typical of the creek system in unmined landscape. Remaining hazards are considered to be low risk with no significant increase in risk expected over time. 2.Certification by an AQP that the creek diversion functions as designed, and that the integrity of Twelve Mile Creek and adjoining watercourses will be maintained long-term. 3.Certification by an AQP that the creek diversion and associated structures will maintain equilibrium and functionality and will not require ongoing maintenance. 4.Vegetation dominated by mixed riverine vegetation suitable for sandy clay soils along watercourses. 5.Evidence of natural recruitment. 6.Ground cover comprises >30% living ground cover and >70% overall groundcover (includes live, dead, and non-vegetative). 7.Water quality in receiving waters does not exceed the limits in EA Table C5. 8.Run-off into receiving waters does not exceed the limits in EA Table C2.
RM14	Safe, stable and Sustainable Condition – Water Storage	1.Hazard and Safety Assessment completed by an AQP demonstrates hazards are consistent with the type and severity of hazards typical of neighbouring equivalent land use. Remaining hazards are considered to be low risk with no significant increase in risk expected over time. 2.Records of retained of structural integrity of permanent retention of water storage structures, and certification that it is operating in accordance with landform and mine closure design and associated criteria in Condition F20 of the EA EPML00844613. 3.Removal of any contaminated sediments identified by site contaminated land investigation. 4.Water quality in receiving waters does not exceed the limits in EA Table C5. 5.Run-off into receiving waters does not exceed the limits in EA Table C2. 6.Management inputs required to sustain aquatic habitat are comparable to selected reference sites determined by Condition F15. 7.Retained water storage water quality parameters are below the trigger values for livestock drinking water defined in ANZECC and ARMCANZ 2000.
RM15	Safe, stable and Sustainable Condition – Retained Infrastructure	1.Hazard and Safety Assessment completed by an AQP demonstrates hazards are consistent with the type and severity of hazards typical of neighbouring equivalent land use. Remaining hazards are considered to be low risk with no significant increase in risk expected over time. 2.All built structures form part of a landholder agreement (as approved by relevant agencies). 3.Audit records demonstrate that areas subject to AS1940:2004 (The Storage and Handling of Flammable and Combustible Liquids) that are retained for use by the post-mining landholder comply with the standard. 4.Where required, diversion drains designed and built to have similar morphology and functionality to regional ephemeral drainage lines. 5.Evidence from an AQP the retained infrastructure is structurally and functionally sound before providing/selling such infrastructure to a future landholder.

1) Insert new rows below the table to record more Rehabilitation Area Milestones for the project
2) Ensure all Rehabilitation Milestones recorded in this table align with those included in the RA sheets in this form.
3) See the PRCP guideline before developing site-specific Rehabilitation Area Milestones

Attachment 1 - Progressive Rehabilitation and Closure Schedule

Milestone reference	Management milestone	Milestone criteria
MM1	High- and Low Wall Treatment	1.Highwall slope in competent rock is no greater than 70 degrees. 2.Highwall slope in incompetent rock is no greater than 45 degrees. 3.Low wall slope is no greater than 37 degrees. 4.Battering back, partial backfilling, regrading, and reshaping completed according to table F1 and Condition F20 of the EA. 5.Records retained of as built drawings to completely backfill void to certify that it is operating in accordance with Condition F20 of the EA. Additional Criteria for A-Pit: 1.maximum depth of 113 m; 2.maximum area of 126 ha; and 3.maximum volume of 40 Mm³. Additional Criteria for CE-North: 1.maximum depth of 40 m; 2.maximum area of 53 ha; and 3.maximum volume of 8 Mm³. Additional Criteria for DOM2N: 1.maximum depth of 100 m; 2.maximum area of 103 ha; and 3.maximum volume of 41 Mm³. Additional Criteria for DOM2S: 1.maximum depth of 59 m; 2.maximum area of 45 ha; and 3.maximum volume of 7 Mm³.
MM1 Continued	High- and Low Wall Treatment	Additional Criteria for DOM5: 1.maximum depth of 50 m; 2.maximum area of 133 ha; and 3.maximum volume of 41 Mm³. Additional Criteria for DOM6: 1.maximum depth of 54 m; 2.maximum area of 25 ha; and 3.maximum volume of 10 Mm³. Additional Criteria for YEN-Pit: 1.maximum depth of 129 m; 2.maximum area of 223 ha; and 3.maximum volume of 121 Mm³. Additional Criteria for YES-Pit: 1.maximum depth of 129 m; 2.maximum area of 174 ha; and 3.maximum volume of 87 Mm³.
MM2	Surface Conditions	1.Bund wall installed with a minimum height of 2 m, a minimum base of 4 m, and be located at least 10 m beyond the area potentially affected by instability of the pit edge or a fence. 2.Security fencing installed around entire perimeter and up to the highwall. 3.Appropriate signage placed to clearly identify and convey the purpose (e.g. EP Act 1994 Non-Use Management Area No Entry). 4.Any contaminated material either remediated in situ or removed/transported to an approved landfill for disposal, and waste tracking information recorded and submitted. 5.Validation testing confirms that contaminate materials (e.g. PCBs, dioxins, mercury, hydrocarbon contaminate soils) have been removed or remediated. 6.If 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.
MM3	Achievement of Sufficient Improvement	1.Certification from an AQP that the residual void low walls, highwalls and end walls are safe and achieve a minimum FoS of 2.0. 2.Certification from an AQP that residual voids are internally draining. 3.Certification from an AQP that the residual void is safe to humans and livestock. 4.No exposed hazardous materials at surface determined by the results of site contaminated land investigation including exposure due to erosion. 5.Residual void acts as a groundwater sink in perpetuity. 6.Water balance modelling demonstrates that residual void water is contained with no potential for overflow events. 7.If required, evidence that measures required in site contaminated land investigation report have been implemented.

1) Insert new rows below the table to record more Improvement Area Milestones for the project

2) Ensure all Management Milestones recorded in this table align with those included in the IA sheets in this form.

3) See the PRCP guideline before developing site-specific Improvement Area Milestones

Native Vegetation PMLU - Direct Seeding		
Species (scientific)	Species (common)	Application rate
<i>Eucalyptus crebra</i>	Narrow Leaved Ironbark	0.2 kg/ha
<i>Eucalyptus melanophloia</i>	Silver Leaved Ironbark	0.2 kg/ha
<i>Corymbia tessellaris</i>	Moreton Bay Ash	0.2 kg/ha
<i>Corymbia clarksoniana</i>	Bloodwood	0.1 kg/ha
<i>Corymbia gummifera</i>	Red Bloodwood	0.1 kg/ha
<i>Acacia victoriae</i>	Bardi Bush	0.2 kg/ha
<i>Atriplex nummularia</i>	Old Man Saltbush	0.2 kg/ha
<i>Enchylaena tomentosa</i>	Ruby Saltbush	0.2 kg/ha
<i>Bothriochloa insculpta</i>	Creeping Bluegrass (cultivas Hatch or Bisset)	2.5 kg/ha
<i>Bothriochloa bladhii</i>	Forest Bluegrass (cultivas Swann)	2.5 kg/ha
<i>Digitaria eriantha</i>	Digit Grass (cultivas Premier)	2 kg/ha
<i>Bothriochloa pertusa</i>	Indian Bluegrass (cultivas Keppel or Bowen)	1 kg/ha
<i>Urochloa mosambicensis</i>	Sabi Grass (cultivas Saraji)	2 kg/ha
<i>Melinis repens</i>	Red Natal Grass	1 kg/ha
<i>Cynodon dactylon</i>	Greencouch	2 kg/ha
<i>Bothriochloa ewartiana</i>	Desert Bluegrass	1 kg/ha
<i>Dichanthium sericeum</i>	Queensland Bluegrass	1 kg/ha
<i>Heteropogon contortus</i>	Black Speargrass	0.2 kg/ha
<i>Themeda triandra</i>	Kangaroo Grass	0.2 kg/ha
<i>Cymbopogon refractus</i>	Barbed Wire Grass	0.2 kg/ha
<i>Bothriochloa decipiens</i>	Pitted Bluegrass	0.2 kg/ha
<i>Chloris gayana</i>	Rhodes Grass	1 kg/ha
<i>Wynn cassia</i>	Round Leaf Cassia	1 kg/ha
<i>Clitoria ternatea</i>	Butterfly Pea	1 kg/ha

Native Vegetation PMLU - Tubestock		
Species (scientific)	Species (common)	Application rate
<i>Eucalyptus cambageana</i>	Blackbutt	100 stems/ha
<i>Eucalyptus ochrophloia</i>	Yapunyah	101 stems/ha
<i>Acacia harpophylla</i>	Brigalow	102 stems/ha
<i>Corymbia citriodora</i>	Spotted Gum	103 stems/ha
<i>Eucalyptus argophloia</i>	Chinchilla White Gum	104 stems/ha
<i>Casuarina cristata</i>	Belah	105 stems/ha
<i>Cassia brewsteri</i>	Leichardt Bean	106 stems/ha
<i>Eucalyptus molucanna</i>	Grey Box	70 stems/ha
<i>Allocasuarina luehmannii</i>	Bulloak	70 stems/ha
<i>Eucalyptus populnea</i>	Poplar Box	30 stems/ha
<i>Eremophila mitchellii</i>	False sandalwood	45 stems/ha
<i>Owenia acidula</i>	Emu Apple	25 stems/ha
<i>Carissa ovata</i>	Currant Bush	30 stems/ha
<i>Brachychiton rupestris</i>	Narrow-Leaved Bottle Tree	30 stems/ha
<i>Brachychiton acerifolius</i>	Illawarra Flame Tree	3 stems/ha
<i>Geijera parviflora</i>	Wilga	30 stems/ha

Grazing PMLU - Direct Seeding		
Species (scientific)	Species (common)	Application Rate (kg/ha)
<i>Medicago truncatula</i>	Barrel Medic	1 kg/ha
<i>Cynodon dactylon</i>	Bermuda couch	2 kg/ha
<i>Heteropogon contortus</i>	Black Speargrass	0.2 kg/ha
<i>Clitoria ternatea</i>	Butterfly pea	2 kg/ha
<i>Stylosanthes seabrana</i>	Caatinga stylo	1 kg/ha
<i>Bothriochloa insculpta</i>	Creeping Bluegrass	2.5 kg/ha
<i>Desmanthus virgatus</i>	Desmanthus	1 kg/ha
<i>Bothriochloa bladhii</i>	Forest Bluegrass	2.5 kg/ha
<i>Bothriochloa pertusa</i>	Indian Bluegrass	2.5 kg/ha
<i>Corymbia citriodora</i>	Lemon Scented-Gum	0.03 kg/ha
<i>Atriplex nummularia</i>	Old Man Saltbush	0.3 kg/ha
<i>Setaria incrassata</i>	Purple Pigeon Grass	2 kg/ha
<i>Dicanthium sericeum</i>	Queensland Bluegrass	3 kg/ha
<i>Chloris gayana</i>	Rhodes grass	3.5 kg/ha
<i>Chamaecrista rotundifolia</i>	Round-leafed cassia	0.5 kg/ha
<i>Enchylaena tomentosa</i>	Ruby Saltbush	0.3 kg/ha
<i>Urochloa mosambicensis</i>	Sabi Grass	3.5 kg/ha
<i>Stylosanthes scabra</i>	Shrubby stylo	1 kg/ha
<i>Digitaria milanijana</i>	Tall Finger Grass	1 kg/ha