



Annual Audit Compliance Report Form

Environmental Protection Act 1986, Part V Division 3

Once completed, please submit this form either via email to info@dwer.wa.gov.au, or to the below postal address:

Department of Water and Environmental Regulation
Locked Bag 10
Joondalup DC WA 6919

Section A – Licence details			
Licence number:	L8569/2011/2	Licence file number:	2011/005435-1
Licence holder name:	Northern Star (Carosue Dam) Pty Ltd		
Trading as:	Northern Star Resources Limited		
ACN:	116649122		
Registered business address:	Level 4, 500 Hay Street, Subiaco WA 6008		
Reporting period:	01 / 01 / 2023 to 31 / 12 / 2023		

Section B – Statement of compliance with licence conditions
Did you comply with all of your licence conditions during the reporting period? (please tick the appropriate box)
<input type="checkbox"/> Yes – please complete: <ul style="list-style-type: none">• section C;• section D (if required); and• sign the declaration in Section F.
<input checked="" type="checkbox"/> No – please complete: <ul style="list-style-type: none">• section C;• section D (if required);• section E; and• sign the declaration in Section F.

Section C – Statement of actual production	
Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed premises category	Actual production quantity
Category 6 - Mine dewatering: 3 000 000 tonnes per annual period	A total of 710,020 kL of mine dewatering from the Million Dollar Porphyry Open Pits.
Category 63 – Class 1 inert landfill site: Not more than 5,000 tonnes per annual period	A total of 593 tonnes deposited to Maingays waste dump inert landfill facility.
Category 64 - Class II putrescible landfill site: Not more than 9 500 tonnes per annual period	A total of 300 tonnes deposited to Million Dollar & Maingays waste dump landfill facilities.
Category 73 - Bulk storage of chemicals, etc. Not more than 880 m3 in aggregate	The chemical storage area consists of two 110m3 self-bunded wrap tanks (220 m3 total – Porphyry Mine Area).

Section D – Statement of actual Part 2 waste discharge quantity	
Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed premises category	Actual Part 2 waste discharge quantity
Category 6 - Mine dewatering: 3 000 000 tonnes per annual period	A total of 710,020 kL of mine dewatering from the Million Dollar, Porphyry Open Pits. Of this total, 12,849 kL was utilized for dust suppression throughout the prescribed premise area, in accordance with Condition 7(a) of L8569/2011/2. A total of 638,680 kL was discharged to the licensed Margarets Pit for storage, as specified by L8569/2011/2,
Category 63 – Class 1 inert landfill site: Not more than 5,000 tonnes per annual period	A total of 593 tonnes deposited to Maingays waste dump inert landfill facility.
Category 64 - Class II putrescible landfill site: Not more than 9 500 tonnes per annual period	A total of 300 tonnes deposited to Million Dollar & Maingays waste dump landfill facilities.
Category 73 - Bulk storage of chemicals, etc. Not more than 880 m3 in aggregate	The hydrocarbon (diesel) chemical storage area consists of two 110kL self-bunded wrap tanks (220 kL total – Porphyry Mine Area).

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	33	Date(s) of non-compliance:	3/12/2023
Details of non-compliance:			
Ambient groundwater monitoring bore MAMB02 (associated with Margaret Pit emission point reference) indicated a standing water level (SWL) of 3.59 mbgl on 3 December 2023. This measure is a limit exceedance with the Porphyry Operating Licence limit of 4 mbgl.			
What was the actual (or suspected) environmental impact of the non-compliance?			
NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
No discernable environmental impact was observed as a result of the limit exceedance. On 16 February 2024, MAMB02 recorded a standing water level deeper than 4.0 mbgl, which Northern Star believes to be associated with corrective actions undertaken.			

Section E – Details of non-compliance with licence condition



Figure 1: Margarets Monitoring Bores (MAMB02 NC Point circled blue).

Cause (or suspected cause) of non-compliance:

The monitoring of the volume of licensed mine dewater discharge into Margaret's Pit was inadequate and did not consider potential impacts to SWL.

Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:

Following detection of the non-compliance, all mine dewater into Margaret's Pit was reduced so far as practicable, while diversion pipelines were established to redirect discharge into an alternate emission point to land as per the operating licence. Standing water level monitoring and photo point vegetation monitoring was performed weekly from detection of non-compliance until compliance was achieved on 16 February 2024.

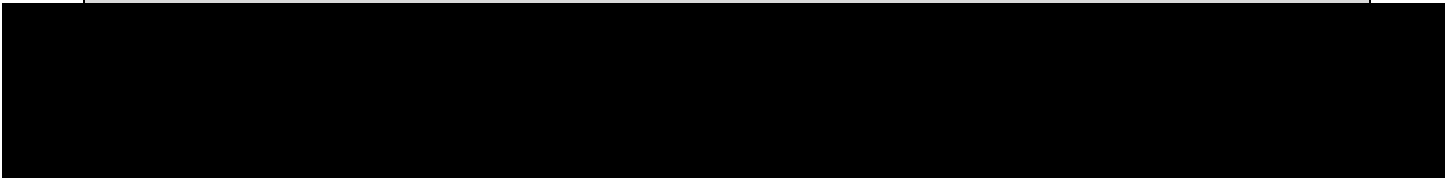
Was this non-compliance previously reported to DWER?

Section E – Details of non-compliance with licence condition	
<input checked="" type="checkbox"/> Yes, and	
<input type="checkbox"/> Reported to DWER verbally	Date: / /
<input checked="" type="checkbox"/> Reported to DWER in writing	Date: 4 / 12 / 2023

Section F – Declaration

I / We declare that the information in this Annual Audit Compliance Report is true and correct and is not false or misleading in a material particular¹.

I / We consent to the Annual Audit Compliance Report being published on the Department of Water and Environmental Regulation’s (DWER) website.



Position:	General Manager – Carosue Dam	Position:	Senior Environmental Advisor
Date:	9/05/2024	Date:	11/05/2024
Seal (if signing under seal):			

¹ It is an offence under section 112 of the *Environmental Protection Act 1986* for a person to give information on this form that to their knowledge is false or misleading in a material particular.

² AACRs can only be signed by the licence holder or an authorised person with the legal authority to sign on behalf of the licence holder.