



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:	6498/1995/11	Licence file number:	2012/006868-1
Licence holder name:	NORTHERN STAR RESOURCES LTD		
Trading as:	NORTHERN STAR RESOURCES LTD		
ACN:	43 092 832 892		
Registered business address:	Level 4, 500 Hay Street Subiaco WA 6008		
Reporting period:	01/01/2022 to 31/12/2022		

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
05 – Processing or Beneficiation of Metallic or Non-Metallic Ore	2,767,488 (dry) tonnes
06 – Mine Dewatering	2,406,816m ³
52 – Electrical Power Generation	27.69MW
54 – Sewerage facility	141.67m ³
64 – Class II or III putrescible landfill site	Estimated at 800 tonnes
73 – Bulk storage of chemicals	3,994m ³

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		
Tailings	2,767,488 (dry) tonnes		
Water to Allow Mining of Ore	2,406,816m ³		
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:	1.2.2	Date(s) of non-compliance:	2022
Details of non-compliance:			
Following a review of the approved Turkeys Nests across the Jundee Operations Premises boundary, it was identified that turkey's nests that were constructed at Julius and Ramone Pits had not been constructed in accordance with Condition 1.2.2, as their locations had not been included in Figure 5 of the Licence.			
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.			
Northern Star believes that there has been no material impact to the environment as a result of this administrative error. The turkey's nests constructed at Julius and Ramone Pits have been engineered to the appropriate standards, including HDPE lining as per licence requirement, and operational controls, such as inspections, are in place to mitigate risk of impact to environment.			
Cause (or suspected cause) of non-compliance:			
Northern Star determined that the approval process associated with the construction of Julius and Ramone turkey's nests was not well understood at the time of construction.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Northern Star Resources intends to include the Julius and Ramone turkey's nests in the next license amendment. In addition, relevant staff will undergo training and/or mentoring to ensure requirements are understood.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	

<input type="checkbox"/> Reported to DWER in writing		Date: / /	
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:	1.2.4	Date(s) of non-compliance:	28/11/2022
Details of non-compliance:			
<p>On the 28th November 2022, the licence freeboard requirement referenced in Table 1.2.2 of Condition 1.2.4 was breached. This was a result of the isolation of pumps which fed the Jundee Processing Plant from the Processing Water Dam. Approximately 3m³ of abstraction water overflowed the TSF1 and TSF2 Processing Water Dam onto disturbed land.</p> <p>Subsequent to the overflow, all incoming water to the processing water dam was ceased, and the processing water dam pump was restarted.</p>			
<p>What was the actual (or suspected) environmental impact of the non-compliance?</p> <p>NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.</p>			
<p>No material environmental harm is expected to have been caused by the breach of the licence freeboard requirement. Spill material was contained to previously disturbed areas and water quality samples of the processing water dam water indicated that there was nothing in the water that would be expected to cause material harm to the environment.</p>			
Cause (or suspected cause) of non-compliance:			
<p>Following investigation, it was determined that the overflow event was a result of the isolation of pumps which fed the Jundee Processing Plant from the Processing Water Dam during a Plant shutdown, where the isolation of the pump feeding the Processing Water Dam was not simultaneously isolated.</p>			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<p>The review of the HH level of alarm was undertaken to determine that the alarm would trigger at a level at a greater freeboard than the 300mm licence requirement. It was confirmed that the HH level alarm was set at 98%, where approx. 375mm of freeboard was available, however, this alarm involved pop-up notifications on the control screen but was not audible. Additional actions to engineer the HH alarm to be audible were also implemented.</p>			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date: / /	

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:	3.2.1	Date(s) of non-compliance:	2022
Details of non-compliance:			
Northern Star has identified that monthly dewatering discharge volumes between each dam and pit have not been recorded in accordance with Condition 3.2.1.			
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 material environmental harm is expected to have been caused by the breach of the licence condition. Total dewatering values have been recorded throughout the reporting period.			
Cause (or suspected cause) of non-compliance:			
The nature of the water infrastructure consists of a complex network of sumps, pits, and turkeys nest dams in a circular circuit, which makes it challenging to accurately quantify mine water discharge.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Northern Star is in the process of undertaking a review of the site water balance and pipeline infrastructure to better understand water movement and data collation across Jundee operations.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally	Date: / /		
<input type="checkbox"/> Reported to DWER in writing	Date: / /		
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:	4.2.1	Date(s) of non-compliance:	31/12/2022

Section E – Details of non-compliance with licence condition
Details of non-compliance:
<p>On the 28th March 2023, L6498/1995/11 Northern Star Resources – Jundee AER 2022 was submitted by a consultant on behalf of Northern Star Resources Ltd. Following submission and a thorough review of Environmental incidents that occurred at Jundee Operations during the reporting period, it was identified that one incident was excluded from the submitted AER. The incident details are as follows:</p> <p>On the 28th November 2022, approximately 3m³ of abstraction water overflowed the TSF1 and TSF2 Processing Water Dam onto disturbed land, breaching the licence freeboard requirements referenced in Table 1.2.2 of Condition 1.2.4 as a result of the isolation of pumps which fed the Jundee Processing Plant from the Processing Water Dam.</p> <p>Subsequent to the overflow, all incoming water to the processing water dam was ceased, and the processing water dam pump was restarted.</p> <p>Water quality samples of the processing water dam water indicate that it is probably that no material harm to the impacted area would have occurred.</p> <p>The review of the HH level of alarm was undertaken to determine that the alarm would trigger at a level at a greater freeboard than the 300mm licence requirement. It was confirmed that the HH level alarm was set at 98%, where 375mm of freeboard was available, however, this alarm involved pop-up notifications on the control screen but was not audible.</p>
What was the actual (or suspected) environmental impact of the non-compliance?
<p>NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.</p> <p>No material environmental harm is expected to have been caused by the breach of the licence condition.</p>
Cause (or suspected cause) of non-compliance:
<p>The consultant submitted the AER prior to complete review of the AER and incidents across the reporting period undertaken by the Environmental Department in Northern Star.</p>
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:
<p>Northern Star Resources is to ensure an extensive review of the Environmental incidents occurring at the Jundee Operations is to be undertaken prior to submission of the subsequent AERs.</p>

Section E – Details of non-compliance with licence condition	
Was this non-compliance previously reported to DWER?	
<input type="checkbox"/> Yes, and	
<input type="checkbox"/> Reported to DWER verbally	Date: / /
<input type="checkbox"/> Reported to DWER in writing	Date: / /

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:	4.3.1	Date(s) of non-compliance:	31/12/2022
Details of non-compliance:			
During the reporting period, the incident described above regarding breaching the licence freeboard requirements referenced in Table 1.2.2 of Condition 1.2.4, was not notified to the Department. This absence of notification is in breach of Condition 4.3.1 of the licence.			
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 material environmental harm is expected to have been caused by the breach of the licence condition.			
Cause (or suspected cause) of non-compliance:			
Northern Star identified that there was insufficient understanding from the appropriate site personnel of Environmental obligations associated with notification of applicable environmental incidents under the EP Act 1986, Part V section.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Northern Star intends to review the site training modules and include where necessary, information outlining the Environmental obligations, inclusive of notification requirements of environmental events. In addition, relevant staff will undergo training and/or mentoring to ensure requirements are understood.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			

Section E – Details of non-compliance with licence condition

<input type="checkbox"/> Reported to DWER verbally	Date: / /
<input type="checkbox"/> Reported to DWER in writing	Date: / /

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.

Signature ² :		Signature:	
Name: (printed)		Name: (printed)	
Position:	Alternate SSE	Position:	
Date:	31 March 2023	Date:	
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.