



Annual Audit Compliance Report Form

Environmental Protection Act 1986, Part V

Section A – Licence Details

Licence number:	L7465/1999/9	Licence file number:	2011/011727
Licence holder:	Northern Star (Carosue Dam) Pty Ltd		
Trading as:	Northern Star Resources Limited		
ACN:	116 649 122		
Registered address:	Northern Star Resources Limited Level 1/388 Hay St, Subiaco WA 6008		
Reporting period:	01/01/2021 to 31/12/2021		

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)

- Yes – please complete:
- section C;
 - section D if required; and
 - sign the declaration in Section F.
- No – please complete:
- section C;
 - section D if required;
 - section E; and
 - sign the declaration at Section F.

Section C – Statement of Actual Production

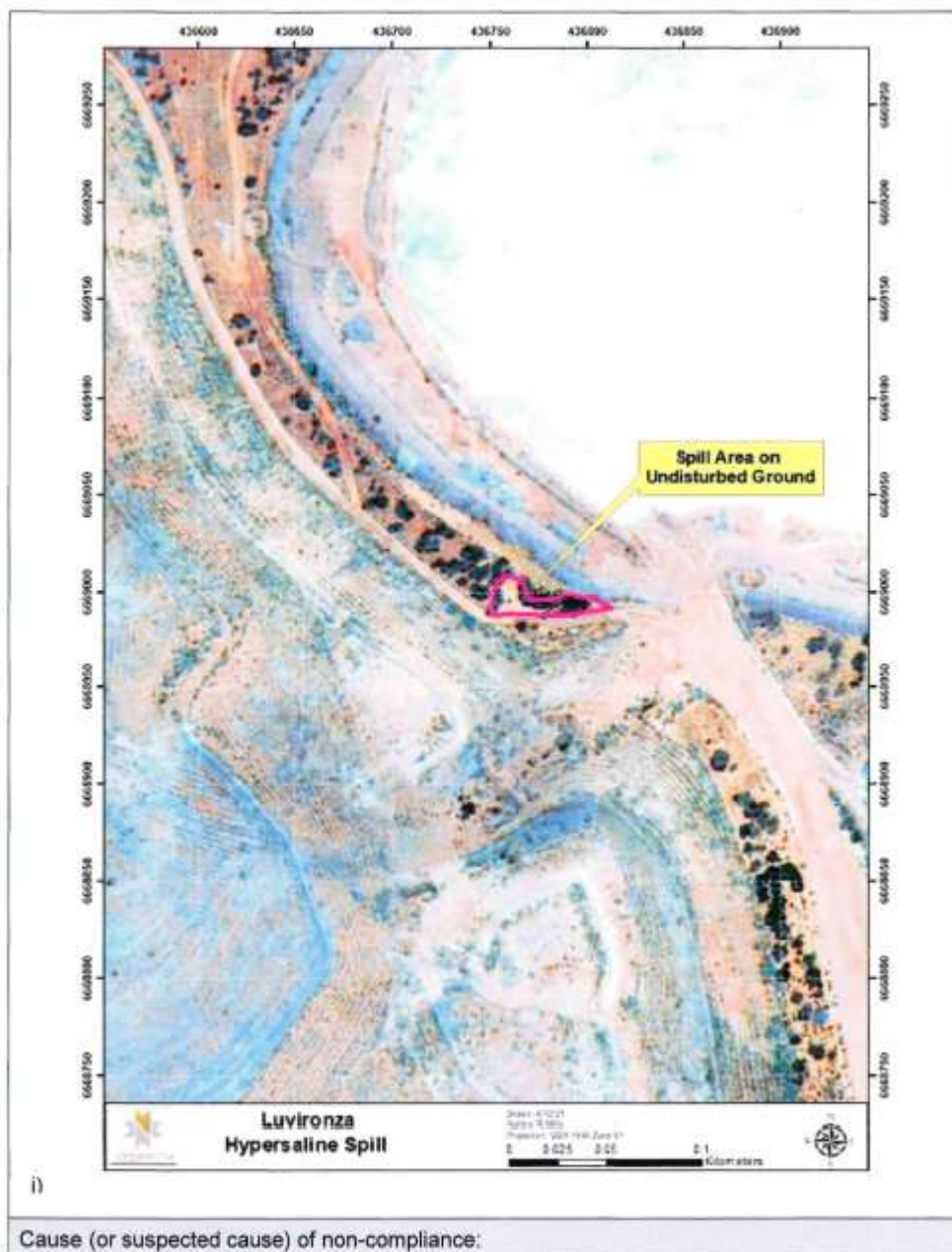
Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.

Prescribed Premises Category	Actual Production Quantity
5 - Processing and beneficiation of metallic or non-metallic ore	3,845,261 tonnes
6 - Mine dewatering	69,614kL
52 - Electric Power Generation (28MW)	28 x 1MW Generators
54 - Sewage Facility	76m3/day
63 - Class 1 Inert Landfill (150m3/day)	6m3/day
64 - Class II or III Putrescible Landfill (3,500)	0.15m3/day
73 - Bulk Storage of Chemicals, etc (6,000)	1,000m3 in aggregate

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
5- Processing and beneficiation of metallic or non-metallic ore	3,845,261 tonnes
6 - Mine dewatering	69,614kL
52 - Electric Power Generation	28 x 1MW Generators
54- Sewage	76m3/day
63 - Class 1 Inert Landfill	6m3/day
64 - Class II or III Putrescible Landfill	0.15m3/day
73 - Bulk Storage of Chemicals, etc.	1,000m3 in aggregate

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:	Condition 2	Date(s) of non-compliance:	a) 13/03/2021 b) 24/03/2021 c) 04/04/2021 d) 23/04/2021 e) 12/05/2021 f) 17/05/2021 g) 04/07/2021 h) 12/11/2021 i) 04/12/2021
Details of non-compliance:			
a) Slurry overflowed outside of thickener bunding as result of lost communications through system. b) Gold ore slurry was leaking from a hole located just over halfway up Carbon in Leach (CIL) tank No.5 at the Carosue Dam Processing Plant. c) Sufficient flow could not be achieved by either pump causing the thickener feed pump hopper to overflow, inundate the CIL tank concrete bunding and spill to surrounding Processing Plant hardstand areas. d) While RC rig was drilling groundwater began to discharge out of a nearby historic collar. Due to an intersection of holes. e) Level sensor in the Thickener deslime overflow hopper has been reading incorrectly for approximately 24 hrs. This caused the hopper to overflow partially filling the concrete bunded area. f) Processing effluent overflowed from CIL tank bunding to surrounding hardstand areas of existing disturbance. g) Corrosion triggered a hole to form in the CIL tank 7. The uncontrolled flow caused the CIL bund to fill. The process team gathered necessary materials and sealed the leak within an hour but unfortunately the bunded area overflowed near tank 8 and Lab area. h) Concrete paste sump overflowed and discharge was contained to hardstand and			

roadways. i) Hypersaline water leak from a dewatering pipeline which had split.
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.
a) N/A b) N/A c) N/A d) N/A e) N/A f) N/A g) N/A h) N/A i) Regrowth within the pipeline corridor showed signs of stress and deterioration



Department of Water and Environmental Regulation

<p>Primary investigations have revealed the likely root cause of the incident to be:</p> <p>a) Vehicle has made contact with pipeline which had moved closer to the road due to temperature changes</p> <p>b) No maintenance or report on poor quality of the existing pipeline</p> <p>b) Lack of communication between Processing and Exploration Departments; and</p> <p>c) Failure to inspect the pipeline and shut off required valves.</p>	
<p>Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:</p> <ul style="list-style-type: none"> • Training to operators doing inspections to make sure they know the need to report any issues with dewatering pipelines • Added that specific pipeline to a more regular inspection schedule 	
<p>Was this non-compliance previously reported to DWER?</p>	
<p><input checked="" type="checkbox"/> Yes, and</p>	
<p><input type="checkbox"/> Reported to DWER verbally</p>	<p>Date:</p>
<p><input checked="" type="checkbox"/> Reported to DWER in writing</p>	<p>Date: 04/12/21</p>

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 :	[REDACTED]	Signature:	
Name: (printed)		Name: (printed)	
Position:		Position:	
Date:		31/3/22	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.