



## 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](mailto: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:	L7465/1999/9	Licence file number:	2011/011727-1
Licence holder name:	Northern Star Resources Limited		
Trading as:	Northern Star Resources Limited		
ACN:	116649122		
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 checked="" type="checkbox"/> Yes – please complete: <ul style="list-style-type: none"><li>• section C;</li><li>• section D (if required); and</li><li>• sign the declaration in Section F.</li></ul>
<input type="checkbox"/> No – please complete: <ul style="list-style-type: none"><li>• section C;</li><li>• section D (if required);</li><li>• section E; and</li><li>• sign the declaration in Section F.</li></ul>

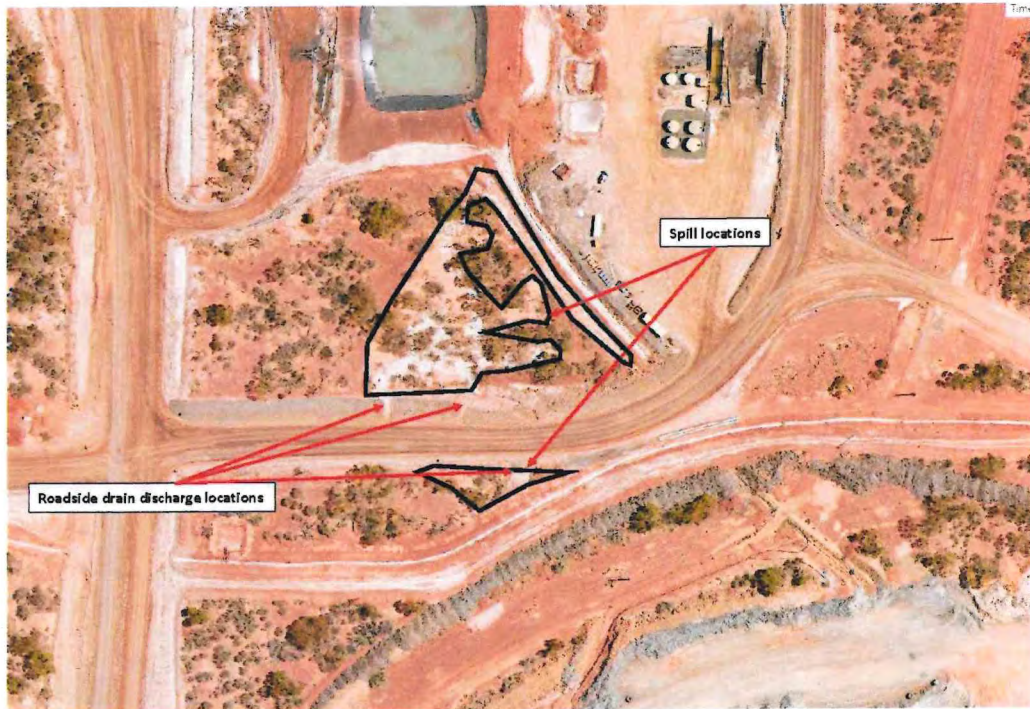
Section C – Statement of actual production	
Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.	
Prescribed premises category	Actual production quantity
Category 5: Processing and beneficiation of metallic or non-metallic ore: 4,500,000 tonnes per annual period	3.72 Mt of ore was processed at an average grade of 2.03 g/t producing 224,006 oz.
Category 6: Mine dewatering: 1,000,000 tonnes per annual period	835,693 kL dewatered from the Karari & Whirling Dervish Underground Mines
Category 52: Electric power generation: 28 MW	28 x 1MW generators
Category 54: Sewage facility: 150 m <sup>3</sup> /day	An average of 67 kL per day
Category 63: Class I inert Landfill: 3,500 tonnes per annual period	27,772 tonnes

<b>Section C – Statement of actual production</b>	
Provide the actual production quantity for this reporting period. Supporting documentation is to be attached.	
<b>Prescribed premises category</b>	<b>Actual production quantity</b>
Category 64: Class II putrescible landfill: 6,000 tonnes per annual period	982.5 tonnes
Category 73: bulk storage of chemicals, etc.: 1,400 m3	1,000 m3 in aggregate

<b>Section D – Statement of actual Part 2 waste discharge quantity</b>	
Provide the actual Part 2 waste discharge quantity for this reporting period. Supporting documentation is to be attached.	
<b>Prescribed premises category</b>	<b>Actual Part 2 waste discharge quantity</b>
Category 5: Processing and beneficiation of metallic or non-metallic ore: 4,500,000 tonnes per annual period	3.72 Mt of ore was processed at an average grade of 2.03 g/t producing 224,006 oz.
Category 6: Mine dewatering: 1,000,000 tonnes per annual period	835,693 kL dewatered from the Karari & Whirling Dervish Underground Mines
Category 52: Electric power generation: 28 MW	28 x 1MW generators
Category 54: Sewage facility: 150 m3/day	An average of 67 kL per day
Category 63: Class I inert Landfill: 3,500 tonnes per annual period	27,772 tonnes
Category 64: Class II putrescible landfill: 6,000 tonnes per annual period	982.5 tonnes
Category 73: bulk storage of chemicals, etc.: 1,400 m3	1,000 m3 in aggregate

<b>Section E – Details of non-compliance with licence condition</b>			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
<b>Condition no:</b>	Condition 2	<b>Date(s) of non-compliance:</b>	22/12/2022
<b>Details of non-compliance:</b>			
Approximately 2,000 L of hypersaline water discharged to an adjacent undisturbed area of vegetation (total of 0.33Ha). No priority species are present.			
<b>What was the actual (or suspected) environmental impact of the non-compliance?</b>			
<b>NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.</b>			

Section E – Details of non-compliance with licence condition



Above image displays the area of discharge relating to the reported spill and identifies the drainage slots that were cut into the bund along the roadway allowing the discharge.

Image on next page shows the location of the spill at the Carosue Dam Operation.

Section E – Details of non-compliance with licence condition



Section E – Details of non-compliance with licence condition	
<b>Cause (or suspected cause) of non-compliance:</b>	
Due to roadway maintenance following a 10mm rain event, new drainage slots were cut into the roadside bunding allowing discharge of hypersaline dust suppression water when mobilised by rainfall events.	
<b>Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:</b>	
Entire spill was recovered. A bobcat was used to recover the salt effected areas and trees not affected by the salt will be left in-situ. Sumps were dug to capture any potential future water drainage from the roadway.	
<b>Was this non-compliance previously reported to DWER?</b>	
<input checked="" type="checkbox"/> Yes, and	
<input type="checkbox"/> Reported to DWER verbally	Date: / /
<input checked="" type="checkbox"/> Reported to DWER in writing	Date: 22 / 12 / 2022

Section E – Details of non-compliance with licence condition			
<b>Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.</b>			
<b>Condition no:</b>	Condition 3	<b>Date(s) of non-compliance:</b>	20/05/2022
<b>Details of non-compliance:</b>			
Approximately 70m3 of Paste fill material (consisting of 5% cement binder and 95% dried tailings material) was discharged to a disturbed area immediately surrounding the Whirling Dervish Paste Injection infrastructure.			
<b>What was the actual (or suspected) environmental impact of the non-compliance?</b>			
<b>NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.</b>			
Paste left to dry, then cleaned up with bobcat. Spill occurred to disturbed area only, no material impact to the Environment. Images of incident area and map location included below.			
Map of spill location included below and images displaying the extent of the spill.			

Section E – Details of non-compliance with licence condition



Department of Water and Environmental Regulation

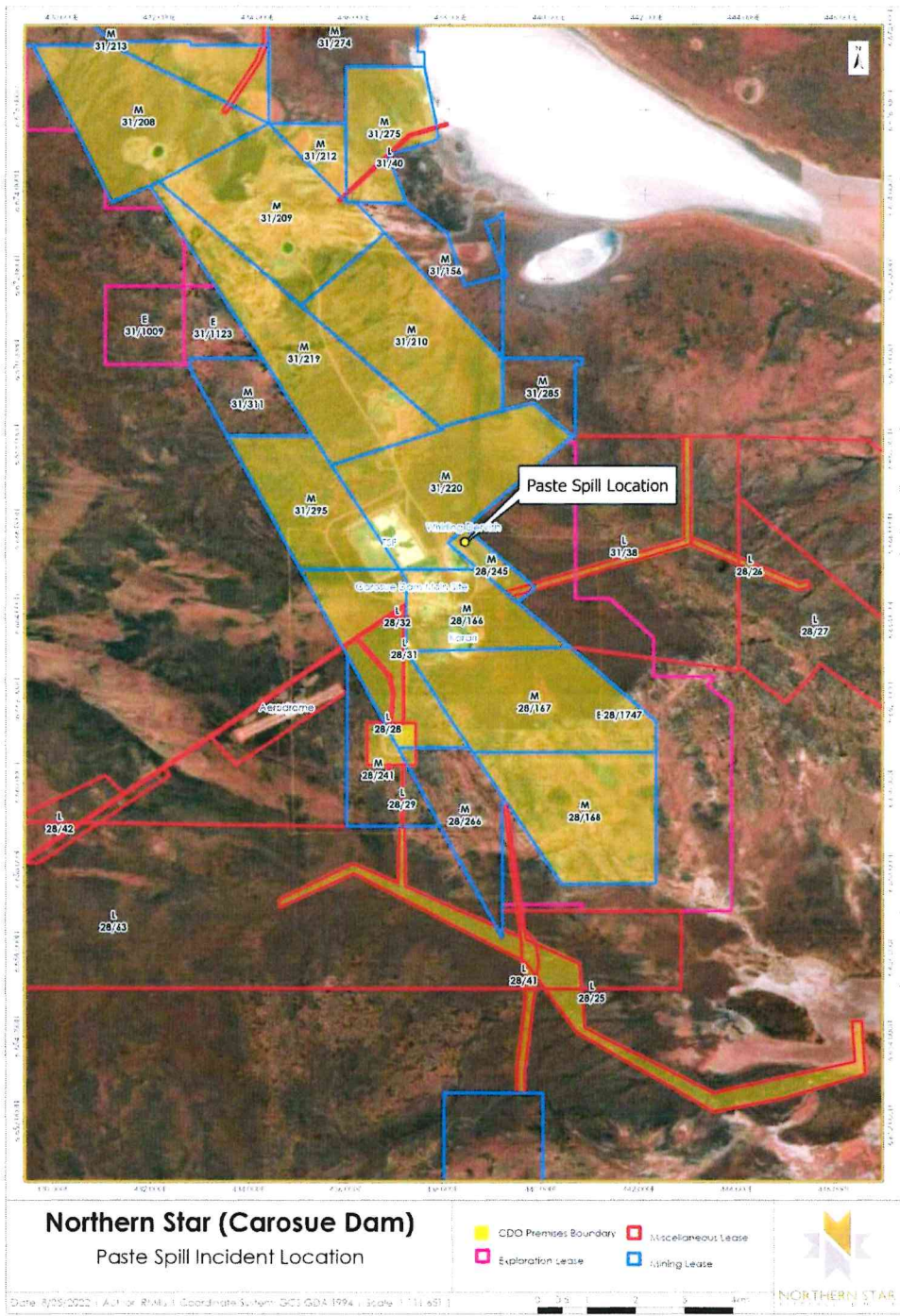


Figure 1- Paste Spill Incident Location in Relation to CDO Premises Boundary

Section 72 Waste discharge notification (September 2015)

Section E – Details of non-compliance with licence condition



Figure 4- Paste Spill emergency bunker overwhelmed

Section 72 Waste discharge notification (September 2015)

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Department of Water and Environmental Regulation

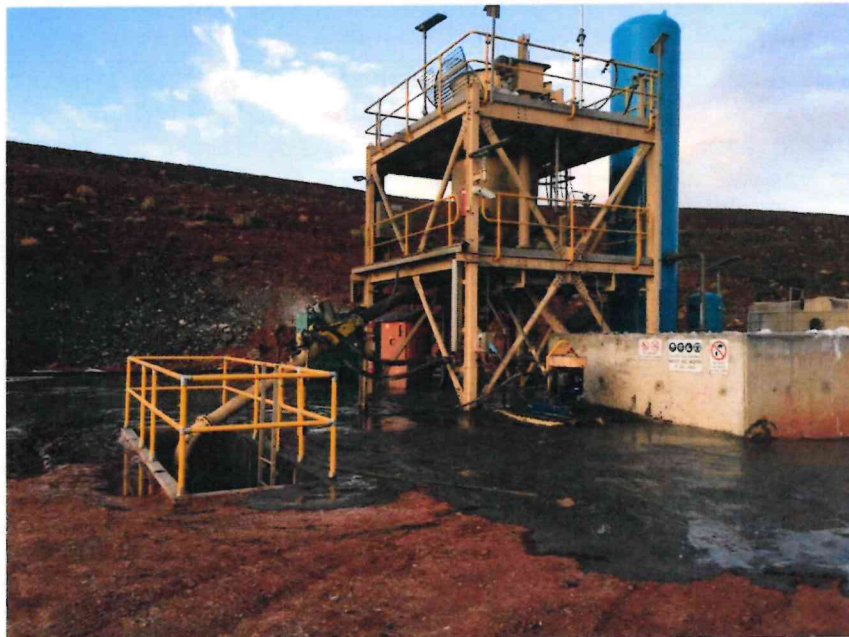


Figure 3- Paste Spill around injection infrastructure

Section 72 Waste discharge notification (September 2015)

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**Section E – Details of non-compliance with licence condition**



Figure 2- Paste Spill extents

Section 72 Waste discharge notification (September 2015)

**Cause (or suspected cause) of non-compliance:**

The spill occurred after the paste pipeline became blocked by scale build up which dislodged within the pipeline and blocked the line at the injection site. A dump valve was opened into the purpose-built catch sump to relieve pressure build up. Due to the volume of material discharged, the sump was overwhelmed, resulting in the sump overflowing to the immediate adjacent area.

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

Paste left to dry, then cleaned up with bobcat. Waste material disposed of within the Whirling Dervish central landform licenced paste waste location. Spill occurred to disturbed area only, no material impact to the Environment. Incident reported to DWER under Section 72.

**Was this non-compliance previously reported to DWER?**

Yes, and

Reported to DWER verbally

Date: / /

Reported to DWER in writing

Date: 20 / 05 / 2022



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 3	Date(s) of non-compliance:	07/05/2022
<b>Details of non-compliance:</b>			
Approximately 50m <sup>3</sup> of Paste fill material (consisting of 5% cement binder and 95% dried tailings material) was discharged to a disturbed area immediately surrounding the Whirling Dervish Paste Injection infrastructure.			
<b>What was the actual (or suspected) environmental impact of the non-compliance?</b>			
<b>NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.</b>			
Paste left to dry, then cleaned up with bobcat. Spill occurred to disturbed area only, no material impact to the Environment. Images of incident area and map location included below.			
Map of spill location included below and images displaying the extent of the spill.			

Section E – Details of non-compliance with licence condition

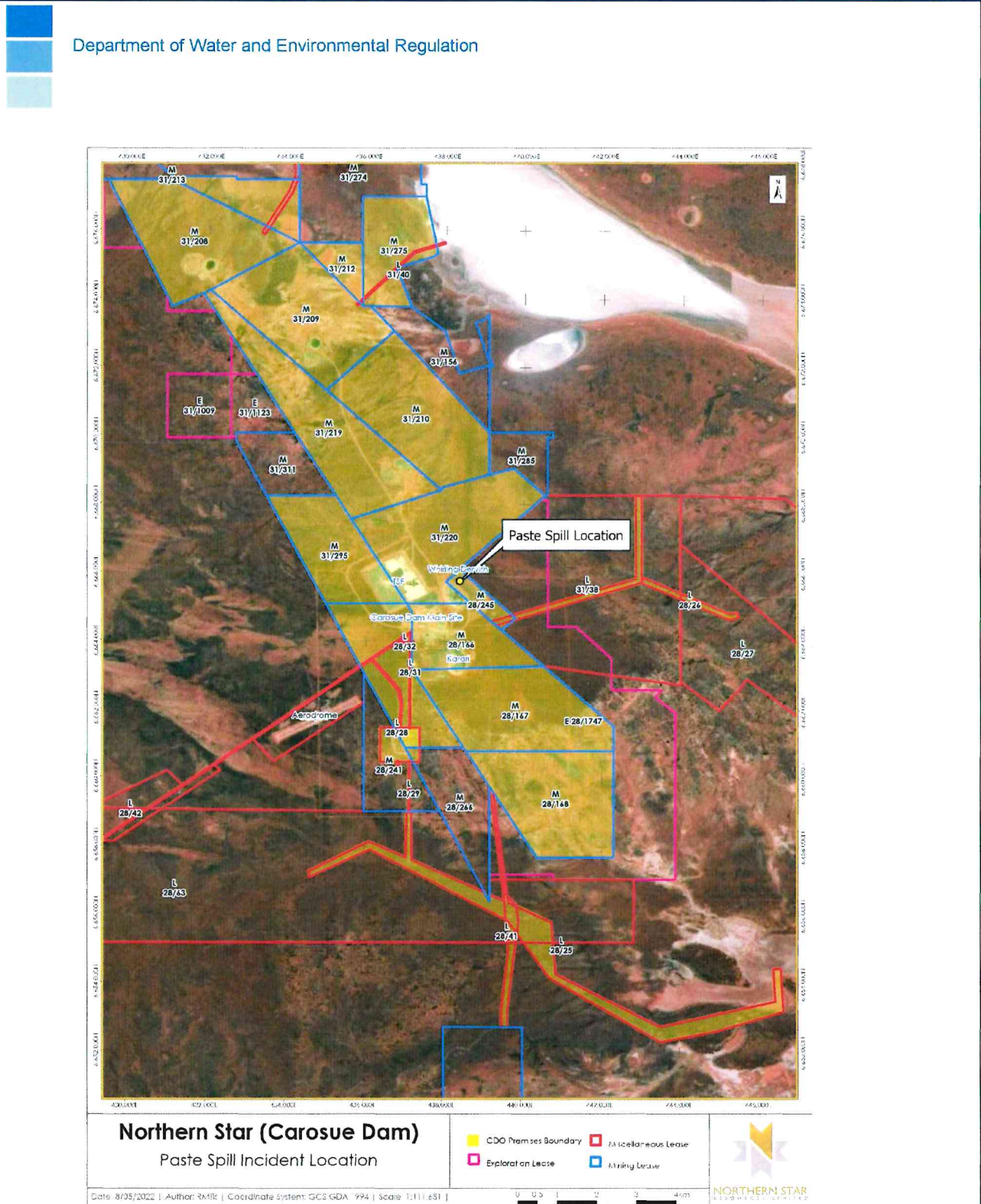


Figure 1- Paste Spill Incident Location in Relation to CDO Premises Boundary

Section 72 Waste discharge notification (September 2015)

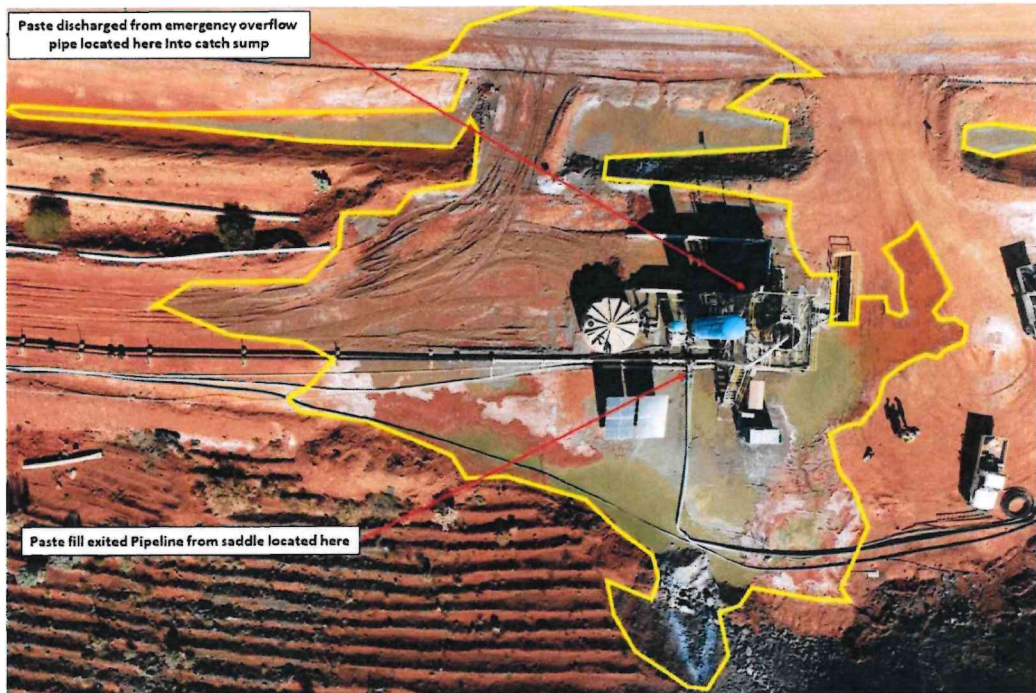


Figure 2- Paste Spill Extents

Section 72 Waste discharge notification (September 2015)

Department of Water and Environmental Regulation



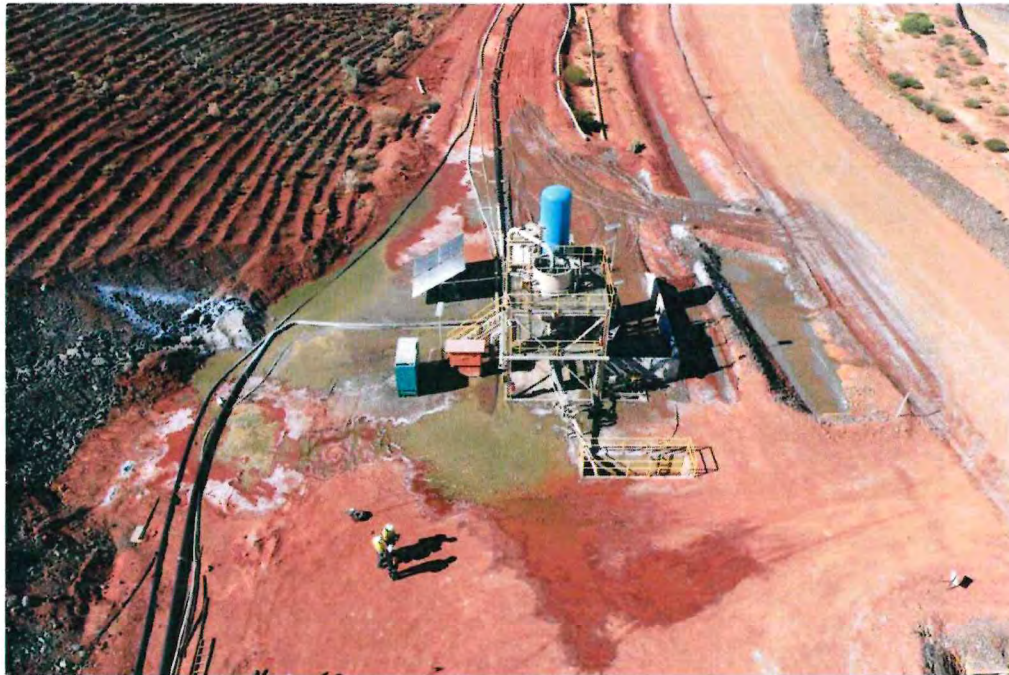
Figure 3- Saddle discharge location (saddle reinstated)



Figure 4- Sump discharge location

Section 72 Waste discharge notification (September 2015)

**Section E – Details of non-compliance with licence condition**



**Figure 3- Paste Spill drone imagery**

Section 72 Waste discharge notification (September 2015)



**Cause (or suspected cause) of non-compliance:**

The spill occurred after the paste pipeline became blocked by scale build up which dislodged and blocked the line. The weakest point in the pipeline (at a pipeline saddle) then released paste to ground, whilst a dump valve was simultaneously opened into the purpose-built catch sump to relieve the pressure. Due to the volume of material discharged, the sump was overwhelmed, resulting in the sump also overflowing to the immediate adjacent area.

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

Paste left to dry, then cleaned up with bobcat. Waste material disposed of within the Whirling Dervish central landform licenced paste waste location. Spill occurred to disturbed area only, no material impact to the Environment. Incident reported to DWER under Section 72.

**Was this non-compliance previously reported to DWER?**

Yes, and

Reported to DWER verbally

Date: / /

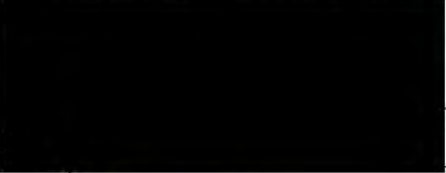
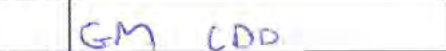
Reported to DWER in writing

Date: 07 / 05 / 2022

**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 particular<sup>1</sup>.

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

Signature <sup>2</sup> :		Signature:	
Name: (print		Name: (printed)	
Position:	GM LDD	Position:	
Date:	30/1/23	Date:	
Seal (if signing under seal):			

<sup>1</sup> 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.

<sup>2</sup> 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.