Government of Western Australia
Department of Water and Environmental Regulation

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:	L6498/1995/11	Licence file number:	2012/006868-1
Licence holder name:	Northern Star Resources Ltd		
Trading as:	Northern Star Resources Ltd		
ACN:	092832892		
Registered business address:	Level 4, 500 Hay Street Subiaco		
Reporting period:	01/01/2024 **to** 31/12/2024		

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 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	2,847,110 (dry) tonnes
06 – Mine Dewatering	2,741,060 m^3
52 – Electrical Power Generation	19.97 MW
54 – Sewerage facility	72,722 m^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	2,945,378 (dry) tonnes
Water to Allow Mining of Ore	2,741,060 m^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:	04/02/24

Details of non-compliance:

Condition 1.2.2 The Licence Holder shall ensure that waste material is only stored and/or treated within vessels or compounds provided with infrastructure requirements and at the locations specified in Table 1.2.1.

On the morning of 04 February 2024 an inspection of the Main Turkeys Nest identified a breach of licence condition 1.2.4. Condition 1.2.4 requires a minimum vertical freeboard of 300mm to be maintained for turkey nest dams containing mine dewater.

Following an inspection, it was identified that minor spillage had occurred from the North-Eastern embankment of the Main Turkeys Nest Dam, in breach of condition 1.2.2. The spillage did not extend beyond the Main Turkeys Nest Dam embankment and adjoining sump that captures any roadside run-off from the water cart refilling area.

Upon Investigation, it was identified that inspections of the TN freeboards had not occurred and had breached a third condition, condition 1.2.5.

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 actual environmental impacts were identified throughout the investigation.
Spill material was contained within the road drainage sump.

Figure 1: shows the Main Turkeys Nest Dam within the red square, and location of overflow with approximate extent of spillage highlighted by blue arrows. The yellow square highlights the road drainage sump adjacent to the Main Turkeys Nest Dam.

Section E – Details of non-compliance with licence condition
Cause (or suspected cause) of non-compliance:
An in-depth investigation into the cause of the freeboard breach and discharge event determined: • Pumping from the Turkey nest for dust suppression ceased approximately 4 weeks prior to the incident due to faults with the diesel pump. • Inclement weather saw 68mm fall onsite during the period leading to the event. • Regular freeboard inspections were not conducted as per Condition 1.2.5 which would have identified the freeboard breach prior to the overflow.
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:
Immediate corrective actions are as follows: Action 1: *04 February 2024* – Immediate notification to responsible department managers of missed compliance inspections. Daily check sheets updated to capture condition 1.2.5, stipulated in table 1.2.3. Action 2: *07 February 2024* – Manual transfer of water from Turkey nest to water truck. Action 3: *09 February 2024* – Delivery of replacement pump brought forward. Installation of electric pump completed on the same day. Replacement pump now fully operational and 300mm freeboard level restored. Action 4: *16 February 2024* – Meeting with relevant department managers, supervisors, and operators to provide training relevant to environmental operating licence requirements. Additional communication will be provided to ensure both crews are covered. Action 5: Northern Star will implement a compliance audit schedule which will include the review of compliance inspections across the Jundee Operation monthly.
Was this non-compliance previously reported to DWER?
☒ Yes, and

☐ Reported to DWER verbally	Date:
☒ Reported to DWER in writing	Date: 19/02/24

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:	04/02/24
Details of non-compliance: Condition 1.2.4 The Licence Holder shall maintain the following freeboards defined in Table 1.2.2 On the morning of 04 February 2024 an inspection of the Main Turkeys Nest identified a breach of licence condition 1.2.4. Condition 1.2.4 requires a minimum vertical freeboard of 300mm to be maintained for turkey nest dams containing mine dewater. Following an inspection, it was identified that minor spillage had occurred from the North-Eastern embankment of the Main Turkeys Nest Dam, in breach of condition 1.2.2. The spillage did not extend beyond the Main Turkeys Nest Dam embankment and adjoining sump that captures any roadside run-off from the water cart refilling area.			

Section E – Details of non-compliance with licence condition
Upon Investigation, it was identified that inspections of the TN freeboards had not occurred and had breached a third condition, condition 1.2.5.
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 actual environmental impacts were identified throughout the investigation. Spill material was contained within the road drainage sump.  Figure 1: shows the Main Turkeys Nest Dam within the red square, and location of overflow with approximate extent of spillage highlighted by blue arrows. The yellow square highlights the road drainage sump adjacent to the Main Turkeys Nest Dam.
Cause (or suspected cause) of non-compliance:
An in-depth investigation into the cause of the freeboard breach and discharge event determined: • Pumping from the Turkey nest for dust suppression ceased approximately 4 weeks prior to the incident due to faults with the diesel pump. • Inclement weather saw 68mm fall onsite during the period leading to the event. • Regular freeboard inspections were not conducted as per Condition 1.2.5 which would have identified the freeboard breach prior to the overflow.
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:
Immediate corrective actions are as follows: Action 1: *04 February 2024* - Immediate notification to responsible department managers of missed compliance inspections. Daily check sheets updated to capture condition 1.2.5, stipulated in table 1.2.3. Action 2*: 07 February 2024* – Manual transfer of water from Turkey nest to water truck. Action 3: *09 February 2024* – Delivery of replacement pump brought forward. Installation of electric pump completed on the same day. Replacement pump now fully operational and 300mm freeboard level restored. Action 4: *16 February 2024* – Meeting with relevant department managers, supervisors, and operators to provide training relevant to environmental operating licence requirements. Additional communication will be provided to ensure both crews are covered. Action 5: Northern Star will implement a compliance audit schedule which will include the review of compliance inspections across the Jundee Operation monthly.

Section E – Details of non-compliance with licence condition	
Was this non-compliance previously reported to DWER?	
☒ Yes, and	
☐ Reported to DWER verbally	Date:
☒ Reported to DWER in writing	Date: 19/02/24

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:	1.2.5	Date(s) of non-compliance:	04/02/24

Details of non-compliance:

Condition 1.2.5 The Licence Holder shall: (a) undertake inspections as detailed in Table 1.2.3; Embankment freeboard – Twice every 12 hours.

On the morning of 04 February 2024 an inspection of the Main Turkeys Nest identified a breach of licence condition 1.2.4. Condition 1.2.4 requires a minimum vertical freeboard of 300mm to be maintained for turkey nest dams containing mine dewater.

Following an inspection, it was identified that minor spillage had occurred from the North-Eastern embankment of the Main Turkeys Nest Dam, in breach of condition 1.2.2. The spillage did not extend beyond the Main Turkeys Nest Dam embankment and adjoining sump that captures any roadside run-off from the water cart refilling area.

Upon Investigation, it was identified that inspections of the TN freeboards had not occurred and had breached a third condition, condition 1.2.5.

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 actual environmental impacts were identified throughout the investigation.
Spill material was contained within the road drainage sump.

Figure 1: shows the Main Turkeys Nest Dam within the red square, and location of overflow with approximate extent of spillage highlighted by blue arrows. The yellow square highlights the road drainage sump adjacent to the Main Turkeys Nest Dam.

Cause (or suspected cause) of non-compliance:

Section E – Details of non-compliance with licence condition	
An in-depth investigation into the cause of the freeboard breach and discharge event determined: • Pumping from the Turkey nest for dust suppression ceased approximately 4 weeks prior to the incident due to faults with the diesel pump. • Inclement weather saw 68mm fall onsite during the period leading to the event. • Regular freeboard inspections were not conducted as per Condition 1.2.5 which would have identified the freeboard breach prior to the overflow.	
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:	
Immediate corrective actions are as follows: Action 1: *04 February 2024* - Immediate notification to responsible department managers of missed compliance inspections. Daily check sheets updated to capture condition 1.2.5, stipulated in table 1.2.3. Action 2*: 07 February 2024* – Manual transfer of water from Turkey nest to water truck. Action 3: *09 February 2024* – Delivery of replacement pump brought forward. Installation of electric pump completed on the same day. Replacement pump now fully operational and 300mm freeboard level restored. Action 4: *16 February 2024* – Meeting with relevant department managers, supervisors, and operators to provide training relevant to environmental operating licence requirements. Additional communication will be provided to ensure both crews are covered. Action 5: Northern Star will implement a compliance audit schedule which will include the review of compliance inspections across the Jundee Operation monthly.	
Was this non-compliance previously reported to DWER?	
☒ Yes, and	
☐ Reported to DWER verbally	Date:
☒ Reported to DWER in writing	Date: 19/02/24

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:	3.3.1	Date(s) of non-compliance:	25/03/24, 13/06/24, 14/08/24, 7/12/24

Details of non-compliance:

Condition 3.3.1 The Licence Holder shall undertake the monitoring in Table 3.3.1 according to the specifications in those tables and record and investigate results that do not meet any limit specified.

This is a continuation of an exceedance of the 1mblg water level trigger first reported on 16th November 2023 where the GW level was 0.95 mbgl at JMB28. Northern Star responded to this event in accordance with the Jundee Groundwater Recovery Seepage Management Plan, as outlined below.

Investigation into the event suggests the initial rise of SWL was due to the closest recovery bore undergoing extensive downtime due to spare parts availability. Once this recovery bore was operational at approximately 1st October 2023, the SWL has been observed to progressively come closer to the Trigger Value however significant rainfalls in January 2024 and March 2024 has hampered the progress.

Dates of non-compliance are when the water level was measured, however exceedance was not reported to Northern Star until the quarterly report was submitted later. Notification to DWER was sent within 14days of these reports.

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.

Negligible impact to the environment has been observed to the impacted area. Degradation of vegetation has not been observed in the monthly vegetation monitoring photos since the exceedance first occurred in November 2023.

Cause (or suspected cause) of non-compliance:

Significant rainfall earlier in the year, paired with ongoing maintenance issues with the adjacent recovery bores, JRB08, JRB09 has hampered the progress of lowering the SWL at Monitoring bore JMB28.

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

Corrective actions as per Jundee Groundwater Recovery Seepage Management Plan for exceedance of Trigger Levels have all been implemented. These actions are as follows:

Action 1: Undertake visual assessment in area to assess whether vegetation has been impacted.
Northern Star Response 1: Monthly photos continue to be taken of the immediate area and recorded. No impact to date has been observed.

Action 2: Increase pumping in nearby recovery bores, if practicable.
Northern Star Response 2: Previous solar recovery bores have been replaced with generator powered recovery bores and are currently operating 24/7 and at maximum pumping capacity.

Action 3: Undertake preliminary investigation to improve seepage recovery.
Northern Star Response 3: Installation of generator powered bores has not provided the expected

Section E – Details of non-compliance with licence condition	
recovery. A review with the hydrology consultant has not identified suitable locations for additional recovery bores. Their review also suggests JMB28 is still tracking down slowly to the limit, moving from 0.70 mbgl in March 2024 to 0.80 mbgl in September 2024, lower than June 2024, which was 0.72 mbgl. Further investigation will be implemented to identify a suitable variable speed submersible pump which will allow greater extraction whilst still in balance with natural recharge.	
Was this non-compliance previously reported to DWER?	
☒ Yes, and	
☐ Reported to DWER verbally	Date:
☒ Reported to DWER in writing	02/04/24, 02/08/24, 06/12/24, 17/2/25

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:	14/03/24

Details of non-compliance:

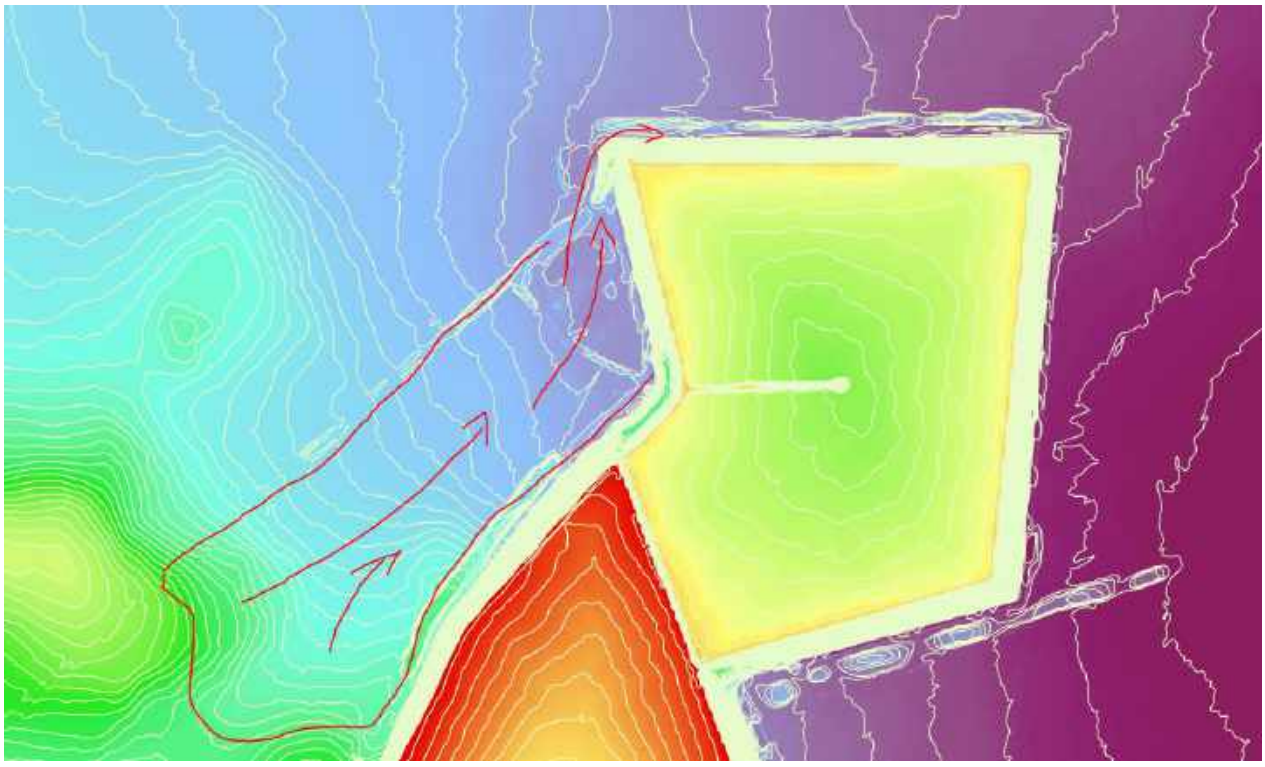
Condition 1.2.2 (Table 1.2.1) - Containment Infrastructure - requires seepage groundwater recovered near TSF2 to be contained in R2D2 seepage water dam.

Heavy rainfall and insufficient pumping capacity has caused the TSF2 Recovery dam R2D2 to overflow.

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.

Through continued vegetation monitoring, no impact has been identified to vegetation within the incident area.



Cause (or suspected cause) of non-compliance:

As a result of heavy rainfall on 14 March 2024, to the value of 81.6mm, and surface runoff from adjacent areas entering the seepage toe drain, R2D2 was not able to contain the volume it was receiving. This resulted in an inability of R2D2 to maintain the required minimum freeboard and, as a result, containment could not be maintained. This was observed at 15:00 on 14 March 2024.

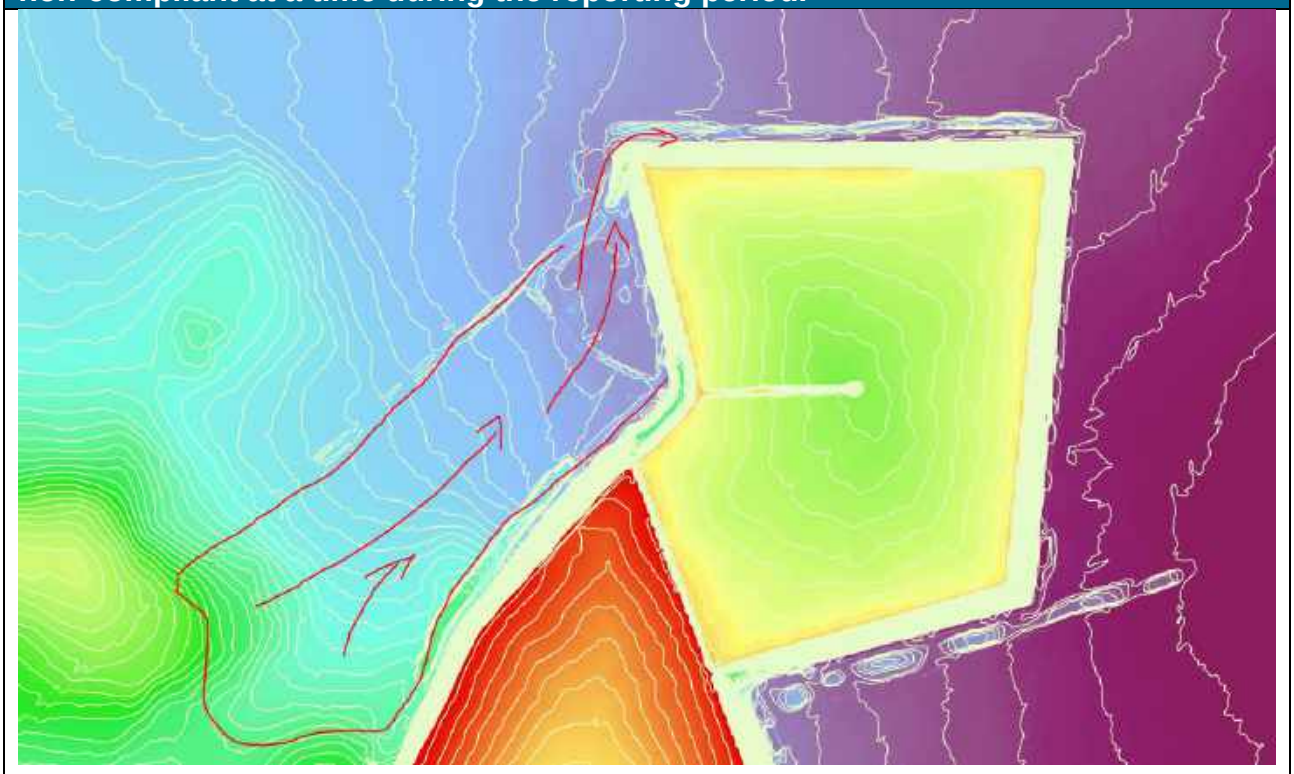
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:

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.**	
Corrective actions to prevent recurrence of this event include: Action 1: Repair of damaged areas using more competent material. Action 2: Increase toe drain Windrow height by 500mm to be more resilient during periods of flooding. Action 3: Remove sediment from TSF2 toe drain to increase capacity and effectiveness of intercepting surface water flows off the TSF2 batter. Action 4: Review of site contours to better determine surface water flow paths and modify infrastructure accordingly to divert heavy rainfall flows away from the toe drain. Action 5: Continuation of existing monthly photo monitoring until September 2024	
Was this non-compliance previously reported to DWER?	
☒ Yes, and	
☐ Reported to DWER verbally	Date:
☒ Reported to DWER in writing	Date: 28/03/24

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:	14/03/24
Details of non-compliance: Condition 1.2.4 (Table 1.2.2) - Freeboard - requires a minimum freeboard to be maintained for storage vessels. The freeboard requirement for R2D2 is to maintain water levels below the underdrainage outflow pipes flowing into that storage vessel. Heavy rainfall and insufficient pumping capacity has caused the TSF2 Recovery dam R2D2 to overflow.			
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.			
Through continued vegetation monitoring, no impact has been identified to vegetation within the incident 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.



Cause (or suspected cause) of non-compliance:

As a result of heavy rainfall on 14 March 2024, to the value of 81.6mm, and surface runoff from adjacent areas entering the seepage toe drain, R2D2 was not able to contain the volume it was receiving. This resulted in an inability of R2D2 to maintain the required minimum freeboard and, as a result, containment could not be maintained. This was observed at 15:00 on 14 March 2024.

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

Corrective actions to prevent recurrence of this event include:

Action 1: Repair of damaged areas using more competent material.

Action 2: Increase toe drain Windrow height by 500mm to be more resilient during periods of flooding.

Action 3: Remove sediment from TSF2 toe drain to increase capacity and effectiveness of intercepting surface water flows off the TSF2 batter.

Action 4: Review of site contours to better determine surface water flow paths and modify infrastructure accordingly to divert heavy rainfall flows away from the toe drain.

Action 5: Continuation of existing monthly photo monitoring until September 2024

Was this non-compliance previously reported to DWER?

☒ Yes, and

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.	
☐ Reported to DWER verbally	Date:
☒ Reported to DWER in writing	Date: 28/03/24

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:	04/04/24

Details of non-compliance:

Condition 1.2.2 The Licence Holder shall ensure that waste material is only stored and/or treated within vessels or compounds provided with infrastructure requirements and at the locations specified in Table 1.2.1.

On 04/04/24 a member of the processing team was completing routine inspections of the TSF3 tailings discharge pipeline when a leak in the line was identified at a knife gate valve, spraying tailings slurry beyond the V drain containing the pipeline.

The leak has created a small, condensed spill directly adject to the knife gate and windblown residue has been sprayed across a total area of approximately 1445m2, with approximately 500m2 of a rehabilitated WRL batter affected.

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 environmental impacts were identified. Due to the superficial nature of the discharge, clean up effectively removed all waste from rehabilitated waste dump batter.

Cause (or suspected cause) of non-compliance:

The cause of the non-compliance was due to failure in a pipeline valve seal which as allowed tailings slurry to discharge beyond containment.

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.	
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:	
Action1: Polyweld contractor was engaged to repair the damaged section of the pipeline. Action 2: Pipeline was raised on blocks at the knife gate location, to allow preventative maintenance to occur Action 3: Preventative Maintenance schedule updated to include the inspection of pipeline valves and fixings	
Was this non-compliance previously reported to DWER?	
☒ Yes, and	
☒ Reported to DWER verbally	Date: 04/04/24
☒ Reported to DWER in writing	Date: 24/04/24

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:	09/04/24

Details of non-compliance:

Condition 1.2.2 The Licence Holder shall ensure that waste material is only stored and/or treated within vessels or compounds provided with infrastructure requirements and at the locations specified in Table 1.2.1.

Discharge of mine dewater from turkeys nest via standpipe (fill point) spillage. Water has covered 567m2 of pre-disturbed area and vegetation.

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.

Vegetation within incident area is already heavily impacted from mining activities, located beside an in pit TSF and WRL utilized as a landfill.

Further vegetation degradation has not been identified since the incident.

Cause (or suspected cause) of non-compliance:

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.	
Non-compliance occurred due to the distance between the standpipe outlet and the shortest water cart inlet was considerably large, which meant that due to the wind and the poor positioning of the watercart, spillage would occur. Mine dewater was spilt onto the ground, and via a runoff trench the mine dewater discharged into a vegetation area.	
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:	
Action 1: Earthworks was undertaken immediately and has stopped potential standpipe spillage from entering areas of undisturbed native vegetation. Action 2: Standpipe has been upgraded to minimize the risk of spillage when filling watercarts.	
Was this non-compliance previously reported to DWER?	
☒ Yes, and	
☒ Reported to DWER verbally	Date: 09/04/24
☒ Reported to DWER in writing	Date: 24/04/24

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:	3.3.1	Date(s) of non-compliance:	25/03/24, 21/12/24
Details of non-compliance: Condition 3.3.1 (Table 3.3.1)- Monitoring of Standing Water Level (mbgl) limit. This requires ambient groundwater quality of specified monitoring bores with set groundwater quality limits. This includes the SWL Limit for NMB17-S which is set at 4 mbgl. This bore is on the southern side of TSF 3. Exceedance to this limit was identified as part of the 2024 Tailings Storage Facility quarter one review, which Northern Star received on 16 May 2024 and again on 5 February 2025.			
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.			
Negligible environmental impact has been observed. The current monitoring bores for TSF3 Cell 1 are located near the toe of the embankment wall, where groundwater mounding is heavily influenced by the pressure dynamics of the TSF. Given this, additional breaches of the 4mbgl licence limit may occur at these bores as localised groundwater mounding develops.			
Cause (or suspected cause) of non-compliance:			
The current monitoring bores for TSF3 Cell 1 are located near the toe of the embankment wall, where groundwater mounding is heavily influenced by the pressure dynamics of the TSF. Given this, additional breaches of the 4mbgl licence limit may occur at these bores as localised groundwater mounding develops. As well, there is evidence of surface water infiltration beneath the bore casing which has potentially influenced the SWL.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Action 1: Establish Monitoring bores at a greater distance from the TSF toe to ensure more accurate monitoring of TSF3's GW impact. Action 2: Repair NMB17s as per the design spec to minimize Surface water infiltration into bore.			
Was this non-compliance previously reported to DWER?			
☒ Yes, and			
☐ Reported to DWER verbally		Date:	
☒ Reported to DWER in writing		Date: 29/05/24	

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:	21/12/24
Details of non-compliance: Condition 4.3.1 The licence holder must, within 14 days of becoming aware of any non-compliance with condition 3.3.1 of this licence, notify the CEO in writing of that non-compliance and include in that notification the following information: (h) which condition was not complied with; (i) the time and date when the non-compliance occurred; (j) if any environmental impact occurred as a result of the non-compliance and if so what that impact is and where the impact occurred; (k) the details and result of any investigation undertaken into the cause of the non-compliance; (l) what action has been taken and the date on which it was taken to prevent the non-compliance occurring again; and (m) what action will be taken and the date by which it will be taken to prevent the non-compliance occurring again. During Q4, an exceedance in NMB17s Standing water level was recorded, however due to an error when reviewing the quarterly monitoring memo, the SWL was thought to be compliant. Therefore, no report was supplied to DWER, breaching condition 4.3.1.			
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.			
Negligible environmental impact has been observed. The current monitoring bores for TSF3 Cell 1 are located near the toe of the embankment wall, where groundwater mounding is heavily influenced by the pressure dynamics of the TSF. Given this, additional breaches of the 4mbgl licence limit may occur at these bores as localised groundwater mounding develops.			
Cause (or suspected cause) of non-compliance:			
The current monitoring bores for TSF3 Cell 1 are located near the toe of the embankment wall, where groundwater mounding is heavily influenced by the pressure dynamics of the TSF. Given this, additional breaches of the 4mbgl licence limit may occur at these bores as localised groundwater mounding develops. As well, there is evidence of surface water infiltration beneath the bore casing which has potentially influenced the SWL.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Action 1: Establish Monitoring bores at a greater distance from the TSF toe to ensure more accurate monitoring of TSF3's GW impact. Action 2: Repair NMB17s as per the design spec to minimise surface water infiltration into bore.			
Was this non-compliance previously reported to DWER?			
☒ No, Identified during 2024 DWER AER review.			
☐ Reported to DWER verbally		Date:	
☐ 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.			
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:	18/09/24
Details of non-compliance: Condition 1.2.2 The Licence Holder shall ensure that waste material is only stored and/or treated within vessels or compounds provided with infrastructure requirements and at the locations specified in Table 1.2.1. A Turkey Nest containing mine dewater was filled beyond its capacity and overtopped the embankment, spilling into previously disturbed vegetation. Mine Dewater quality Water Quality field test EC = 18,700 µC TDS = 12,020 ppm T = 24.3°C pH = 7.9			
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.			
Vegetation surrounding the Invicta Turkey Nest was already heavily impacted from mining activities, being located within the active mining area. Sparse previously disturbed vegetation was not adversely impacted from the spill.			

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.**	
	
Cause (or suspected cause) of non-compliance:	
The dewatering pump located in Invicta underground mine to Invicta Turkey Nest was running, however the return pump from the Turkey Nest was off. This resulted in Invicta Turkey Nest filling to capacity and then resulting in discharge.	
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:	
Action 1: Investigate feasibility into installing float level alarm/shut off system Action 2: Implement toolbox discussions with responsible departments to raise awareness of importance of compliance inspections	
Was this non-compliance previously reported to DWER?	
☒ Yes, and	
☒ Reported to DWER verbally	Date: 19/09/24
☒ Reported to DWER in writing	Date: 27/09/24

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:	18/09/24
Details of non-compliance: Condition 1.2.4 (Table 1.2.2) - Freeboard - requires a minimum freeboard to be maintained for storage vessels. The freeboard requirement for R2D2 is to maintain water levels below the underdrainage outflow pipes flowing into that storage vessel. A Turkey Nest containing mine dewater was filled beyond its capacity and overtopped the embankment, spilling into previously disturbed vegetation. Mine Dewater quality Water Quality field test EC = 18,700 µC TDS = 12,020 ppm T = 24.3°C pH = 7.9			
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.			
Vegetation surrounding the Invicta Turkey Nest was already heavily impacted from mining activities, being located within the active mining area. Sparse previously disturbed vegetation was not adversely impacted from the spill.			

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.**	
	
Cause (or suspected cause) of non-compliance:	
The dewatering pump located in Invicta underground mine to Invicta Turkey Nest was running, however the return pump from the Turkey Nest was off. This resulted in Invicta Turkey Nest filling to capacity and then resulting in discharge.	
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:	
Action 1: Investigate feasibility into installing float level alarm/shut off system Action 2: Implement toolbox discussions with responsible departments to raise awareness of importance of compliance inspections	
Was this non-compliance previously reported to DWER?	
☒ Yes, and	
☒ Reported to DWER verbally	Date: 19/09/24
☒ Reported to DWER in writing	Date: 27/09/24

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:	14/08/24

Details of non-compliance:

Condition 1.2.2 The Licence Holder shall ensure that waste material is only stored and/or treated within vessels or compounds provided with infrastructure requirements and at the locations specified in Table 1.2.1.

A Turkey Nest containing mine recovered water from TSF3 supernatant pond was filled beyond its capacity and overtopped the embankment, spilling into previously disturbed vegetation. Majority of the spill was captured in an old haul road diversion channel.

Low cyanide containing water.
Measured at 2.7ppm free cyanide.

Spill covered an area of approximately 0.83ha.

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.

Vegetation surrounding the TSF3 decant recover dam R4D4 had already been impacted by mining activities. A significant amount of the spill was contained to a diversion channel for an old haul road. No Impact was identified to the sparsely vegetated area.

Cause (or suspected cause) of non-compliance:

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.	
The spill was the result of the Tailings Storage Facility 3 decant pump being mistakenly left running beyond the capacity of the dam. This resulted in excess recovered water discharging to R4D4 dam, causing the overflow.	
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:	
Action 1: Investigate feasibility into installing float level alarm/shut off system Action 2: Implement toolbox discussions with responsible departments to raise awareness of importance of compliance inspections	
Was this non-compliance previously reported to DWER?	
☒ Yes, and	
☒ Reported to DWER verbally	Date: 14/08/24
☒ Reported to DWER in writing	Date: 20/08/24

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:	14/08/24
Details of non-compliance: Condition 1.2.4 (Table 1.2.2) - Freeboard - requires a minimum freeboard to be maintained for storage vessels. The freeboard requirement for R2D2 is to maintain water levels below the underdrainage outflow pipes flowing into that storage vessel. A Turkey Nest containing mine recovered water from TSF3 supernatant pond was filled beyond its capacity and overtopped the embankment, spilling into previously disturbed vegetation. Majority of the spill was captured in an old haul road diversion channel. Low cyanide containing water. Measured at 2.7ppm free cyanide. Spill covered an area of approximately 0.83ha.			
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.			
Vegetation surrounding the TSF3 decant recover dam R4D4 had already been impacted by mining activities. A significant amount of the spill was contained to a diversion channel for an old haul road. No Impact was identified to the sparsely vegetated 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.**	
	
Cause (or suspected cause) of non-compliance:	
The spill was the result of the Tailings Storage Facility 3_decant pump being mistakenly left running beyond the capacity of the dam. This resulted in excess recovered water discharging to R4D4 dam, causing the overflow.	
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:	
Action 1: Investigate feasibility into installing float level alarm/shut off system Action 2: Implement toolbox discussions with responsible departments to raise awareness of importance of compliance inspections	
Was this non-compliance previously reported to DWER?	
☒ Yes, and	
☒ Reported to DWER verbally	Date: 14/08/24
☒ Reported to DWER in writing	Date: 20/08/24

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:	19/07/24

Details of non-compliance:

Condition 1.2.2 The Licence Holder shall ensure that waste material is only stored and/or treated within vessels or compounds provided with infrastructure requirements and at the locations specified in Table 1.2.1.

A sewage pipe has become untethered at the discharge point and caused a spill of untreated sewage beyond containment.

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 identifiable environmental impact. Sewage spilled into an already disturbed access track and into a road v drain. Spill was cleaned up and covered with clean material.

Cause (or suspected cause) of non-compliance:

The spill was caused by a loose tether securing the discharge pipe in position.

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

Immediate corrective actions carried out by Northern Star (Jundee) included:

Action 1: Correction of pipeline into wastewater treatment pond to stop discharge to environment.

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.**	
Action 2: Tethering the pipeline in two locations. Action 3: Organization of vac truck to move waste from area to the bioremediation farm adjacent to the ponds. Action 4: Organization of bobcat to spread soil onto shallow depth areas to absorb any present wastewater and relocate soil into bioremediation farm.	
Was this non-compliance previously reported to DWER?	
☒ Yes, and	
☒ Reported to DWER verbally	Date: 19/07/24
☒ Reported to DWER in writing	Date: 20/07/24

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:	Q1, Q2, Q3, Q4 2024
Details of non-compliance: Condition 3.2.1 Monitoring of inputs and outputs in table 3.2.1 - Total Phosphorus and Total Nitrogen were not analysed during the reporting period for Cook, Keating and Coulthard Pit (except for Q1 for Cook and Keating). pH and TDS measurements were not undertaken for Cook and Keating Pit in Q1. Analysis of discrete analytes (including fluoride, boron, selenium and zinc) was not included for Coulthard in Q1.			
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.			
Negligible environmental impact expected as a result of this non-compliance.			
Cause (or suspected cause) of non-compliance:			
Incorrect Analytes selected on the COC supplied to the Laboratory			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			

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.**	
Action 1: Review sampling suites sent to the laboratory to ensure all analytes required on the licence are selected.	
Was this non-compliance previously reported to DWER?	
☒ No, Identified during 2024 DWER AER review.	
☐ Reported to DWER verbally	Date:
☐ 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:	3.3.1	Date(s) of non-compliance:	Q1 2024
Details of non-compliance: Condition 3.3.1 Monitoring of treated wastewater in table 3.3.3 - Chlorine was not analysed Q1 for R1D1 (treated wastewater discharge location).			
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.			
Negligible environmental impact expected as a result of this non-compliance.			
Cause (or suspected cause) of non-compliance:			
Incorrect Analytes selected on the COC supplied to the Laboratory			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Action 1: Review sampling suites sent to the laboratory to ensure all analytes required on the licence are selected.			
Was this non-compliance previously reported to DWER?			
☒ No, Identified during 2024 DWER AER review.			
☐ Reported to DWER verbally	Date:		
☐ 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:	3.3.1	Date(s) of non-compliance:	April, June, July, August, and September 2024
Details of non-compliance: Condition 3.3.1 Table 3.3.3 Monitoring of treated wastewater – Cumulative monthly flow of wastewater from Site sewage ponds into R1D1. During the months of April, June, July, August, and September 2024 no readings were recorded from the site sewage pond discharge to R1D1 due to the meter being out of service.			
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.			
Negligible environmental impact expected as a result of this non-compliance.			
Cause (or suspected cause) of non-compliance:			
Flowmeter out of service due to blockages/not working.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Action: Flowmeter was replaced in November due to blockages/issues with the prior flowmeter.			
Was this non-compliance previously reported to DWER?			
☒ No, Identified during 2024 DWER AER review.			
☐ Reported to DWER verbally		Date:	
☐ 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 particular[1]. 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]		
Name: (printed)			
Position:			
Date:	31/3/25	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.