



Annual Audit Compliance Report Form

Environmental Protection Act 1986, Part V

Section A – Licence Details			
Licence number:	L8675/2021/1	Licence file number:	1
Licence holder:	[REDACTED]		
Trading as:	[REDACTED]		
ACN:	[REDACTED]		
Registered address:	[REDACTED] [REDACTED]		
Reporting period:	01/10/2020 to 30/09/2021		

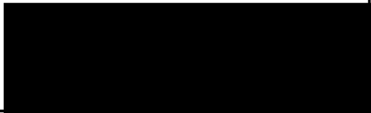

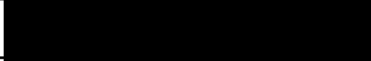
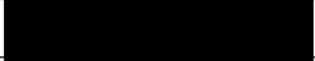
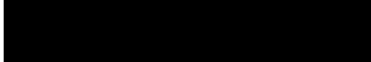

Section B – Statement of Compliance with Licence Conditions
Did you comply with all of your licence conditions during the reporting period? (please tick the appropriate box)
<input type="checkbox"/> Yes – please complete: <ul style="list-style-type: none">• section C;• section D if required; and• sign 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 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
CAT 5 Processing or beneficiation of metallic or non-metallic ore: premises on which – (a) Metallic or non-metallic ore is crushed, ground, milled or otherwise processed; (b) Tailings from metallic or non-metallic ore are reprocessed; or (c) Tailings or residue from metallic or non-metallic ore are discharged in a containment cell or dam.	1,077,637 tonnes
CAT 7 Vat or in situ leaching of metal: premises on which metal is extracted from ore with a chemical solution.	967,772 tonnes

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
CAT 85 Sewage facility: premises – (a) On which sewage is treated (excluding septic tanks); or (b) From which treated sewage is discharged onto land or into waters.	34 m3/day average
CAT 89 Putrescible landfill site: premises on which waste (as determined by reference to the waste type set out in the document entitled “Landfill Waste Classification and Waste Definitions 1996” published by the Chief Executive Officer, as amended from time to time) is accepted for burial.	155 tonnes

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:	See Attachment	Date(s) of non-compliance:	See Attachment
Details of non-compliance:			
See Attachment			
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.			
See Attachment			
Cause (or suspected cause) of non-compliance:			
See Attachment			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
See Attachment			
Was this non-compliance previously reported to DWER?			
<input checked="" type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: / /	
Section F – Declaration			

Department of Water and Environmental Regulation

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 :		Signature:	
Name: (printed)		Name: (printed)	
Position:		Position:	
Date:	23/12/2021	Date:	23/12/2021
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.

Attachment A to AACR: L8675/2021/1

Details on compliance of Licence conditions.

Condition	Licence Condition	Compliance	Comments																
1.2.1	The Licence Holder must record and investigate the exceedance of any descriptive or numerical limit in this section.	Compliant	Groundwater Investigation reports have been submitted with the 2021 AER.																
1.2.2	The Licence Holder must ensure that all pipelines or sections of pipelines containing tailings and decant return water are either: (a) equipped with telemetry; or (b) equipped with automatic cut-outs in the event of a pipe failure; or (c) provided with secondary containment sufficient to contain any spill for a period equal to the time between routine inspections.	Compliant																	
1.2.3	<p>The Licence Holder must ensure that tailings, decant water and treated effluent from the wastewater treatment plant are only discharged into containment cells and/or ponds with the relevant infrastructure requirements and at the locations specified in Table 1.2.1 and shown in the map in Schedule 1.</p> <table border="1"> <caption>Table 1.2.1: Containment infrastructure</caption> <thead> <tr> <th>Containment point reference</th><th>Containment cell or dam number(s)</th><th>Material</th><th>Infrastructure requirements</th></tr> </thead> <tbody> <tr> <td>C1</td><td>TSF1</td><td>Treated effluent from the wastewater treatment plant</td><td>Stage 4 lift to RL 406.5m at completion</td></tr> <tr> <td>C2</td><td>Process Pond</td><td>Tailings thickener overflow, decant return, process catchment water and bore water from production bores 6B and 6C</td><td>Lined with high density polyethylene liner with a permeability of at least $<10^{-9}$ metres per second or equivalent</td></tr> <tr> <td>C3</td><td>TSF2</td><td>Tailings</td><td>Lift to RL 399.0m at completion Underdrainage system installed at the base of TSF2 cell 1 and cell 2 draining to underdrainage collection sumps depicted in the TSF2 maps in Schedule 1 Toe drain depicted in the TSF2 maps in Schedule 1</td></tr> </tbody> </table>	Containment point reference	Containment cell or dam number(s)	Material	Infrastructure requirements	C1	TSF1	Treated effluent from the wastewater treatment plant	Stage 4 lift to RL 406.5m at completion	C2	Process Pond	Tailings thickener overflow, decant return, process catchment water and bore water from production bores 6B and 6C	Lined with high density polyethylene liner with a permeability of at least $<10^{-9}$ metres per second or equivalent	C3	TSF2	Tailings	Lift to RL 399.0m at completion Underdrainage system installed at the base of TSF2 cell 1 and cell 2 draining to underdrainage collection sumps depicted in the TSF2 maps in Schedule 1 Toe drain depicted in the TSF2 maps in Schedule 1	Compliant	
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1.2.4	The Licence Holder must manage containment infrastructure in Table 1.2.1 such that: (a) a minimum top of embankment freeboard of 845mm or a 1 in 100 year/72 hour storm event (whichever is greater) is maintained at the TSFs; (b) a minimum top of embankment freeboard of 300mm is maintained at the Process Pond; and (c) methods of operation minimise the likelihood of erosion of the embankments by wave action.	Compliant	Freeboard was maintained during the reporting period.																
1.2.5	The Licence Holder must manage the TSFs such that: (a) a seepage collection and recovery system is provided and used to capture seepage from the TSFs; (b) seepage is returned to the TSFs or re-used in process; and (c) the supernatant pond on the TSFs is minimised as far as practicable.	Compliant	Seepage recovery network is operational.																

1.2.6	<p>The Licence Holder shall:</p> <p>(a) undertake inspections as detailed in Table 1.2.2;</p> <p>(b) where any inspection identifies that an appropriate level of environmental protection is not being maintained, take corrective action to mitigate adverse environmental consequences as soon as practicable; and</p> <p>(c) maintain a record of all inspections undertaken.</p> <p>Table 1.2.2: Inspection of infrastructure</p> <table><tr><th>Scope of inspection</th><th>Type of inspection</th><th>Frequency of inspection</th></tr><tr><td>Tailings pipelines</td><td>Visual integrity</td><td>Daily</td></tr><tr><td>Return water lines</td><td>Visual integrity</td><td>Daily</td></tr><tr><td>Embankment freeboard</td><td>Visual to confirm required freeboard capacity is available</td><td>Daily</td></tr></table>	Scope of inspection	Type of inspection	Frequency of inspection	Tailings pipelines	Visual integrity	Daily	Return water lines	Visual integrity	Daily	Embankment freeboard	Visual to confirm required freeboard capacity is available	Daily	Compliant	Daily inspections are conducted by the Processing Operators, records are kept of daily inspection.																						
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1.2.7	<p>The Licence Holder shall undertake an annual water balance for TSF2. The water balance shall as a minimum consider the following:</p> <p>(a) site rainfall;</p> <p>(b) evaporation;</p> <p>(c) decant water recovery volumes;</p> <p>(d) seepage recovery volumes from TSFB001, TSFB002 and TSFB003;</p> <p>(e) toe drainage recovery volumes;</p> <p>(f) volumes of tailings deposited;</p> <p>(g) tailings solid content (w/w %);</p> <p>(h) volume of water in tailings;</p> <p>(i) TSF2 remaining filling capacity – determined via tailings level (mRL); and</p> <p>(j) calculated seepage</p>	Compliant	Water balance maintained, supplied in the AER.																																		
1.2.8	<p>The Licence Holder must only accept waste onto the Premises if:</p> <p>(a) it is of a type listed in Table 1.2.3;</p> <p>(b) the quantity accepted is below any quantity limit listed in Table 1.2.3; and</p> <p>(c) it meets any specification listed in Table 1.2.3</p> <p>Table 1.2.3: Waste acceptance</p> <table><tr><th>Waste type</th><th>Waste Code</th><th>Quantity limit</th><th>Specification ¹</th></tr><tr><td>Inert Waste Type 1</td><td>N/A</td><td rowspan="3">100 tonnes/year in total</td><td>None specified</td></tr><tr><td>Putrescible Waste</td><td>N/A</td><td>None specified</td></tr><tr><td>Clean Fill</td><td>N/A</td><td>None specified</td></tr><tr><td colspan="4">Putrescible and Organic wastes</td></tr><tr><td>Sewage</td><td>K130</td><td rowspan="3">80 m³/day</td><td rowspan="3">Accepted through sewer inflow(s) only</td></tr><tr><td>Vegetable and food processing liquid wastes</td><td>K200</td></tr><tr><td>Waste from grease traps</td><td>K110</td></tr><tr><td colspan="4">Miscellaneous</td></tr><tr><td>Inert Waste Type 2</td><td>T140</td><td>400 tonnes</td><td>Tyres only</td></tr></table> <p>Note 1: Additional requirements for the acceptance of controlled waste (including asbestos and tyres) are set out in the <i>Environmental Protection (Controlled Waste) Regulations 2004</i>.</p>	Waste type	Waste Code	Quantity limit	Specification ¹	Inert Waste Type 1	N/A	100 tonnes/year in total	None specified	Putrescible Waste	N/A	None specified	Clean Fill	N/A	None specified	Putrescible and Organic wastes				Sewage	K130	80 m³/day	Accepted through sewer inflow(s) only	Vegetable and food processing liquid wastes	K200	Waste from grease traps	K110	Miscellaneous				Inert Waste Type 2	T140	400 tonnes	Tyres only	Compliant	
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1.2.9	The Licence Holder shall ensure that where waste does not comply with Table 1.2.3 it is removed from the Premises by the delivery vehicle or, where that is not possible, stored in a segregated storage area or container and removed to an appropriately authorised facility as soon as practicable.	Compliant															
1.2.10	<p>The Licence Holder shall ensure that wastes accepted onto the Premises are only subjected to the processes set out in Table 1.2.4 and in accordance with any process limits described in that Table.</p> <p>Table 1.2.4: Waste Processing</p> <table><tr><th>Waste type</th><th>Processes</th><th>Process limits¹</th></tr><tr><td>Inert Waste Type 1</td><td rowspan="4">Receipt, handling and disposal of waste by landfilling</td><td rowspan="4">All waste types Disposal of waste by landfilling shall only take place within the landfill areas shown on the Premises Map in Schedule 1. The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2 m.</td></tr><tr><td>Inert Waste Type 2</td></tr><tr><td>Putrescible Waste</td></tr><tr><td>Clean Fill</td></tr><tr><td>Sewage</td><td rowspan="3">Biological, physical and chemical treatment.</td><td rowspan="3">80 m³/day</td></tr><tr><td>Vegetable and food processing liquid wastes</td></tr><tr><td>Waste from grease traps</td></tr></table> <p>Note 1: Additional requirements for the acceptance and landfilling of controlled waste (including asbestos and tyres) are set out in the <i>Environmental Protection (Controlled Waste) Regulations 2004</i>.</p> <p>Note 2: Requirements for landfilling tyres are set out in Part 6 of the <i>Environmental Protection Regulations 1987</i>.</p>	Waste type	Processes	Process limits ¹	Inert Waste Type 1	Receipt, handling and disposal of waste by landfilling	All waste types Disposal of waste by landfilling shall only take place within the landfill areas shown on the Premises Map in Schedule 1. The separation distance between the base of the landfill and the highest groundwater level shall not be less than 2 m.	Inert Waste Type 2	Putrescible Waste	Clean Fill	Sewage	Biological, physical and chemical treatment.	80 m ³ /day	Vegetable and food processing liquid wastes	Waste from grease traps	Compliant	Quantities recorded and reported in the AER.
Waste type	Processes	Process limits ¹															
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1.2.11	<p>The Licence Holder shall manage the landfilling activities to ensure:</p> <p>(a) the size of the tipping face is kept to a minimum and not larger than 30 m in length and 2 m above ground level in height;</p> <p>(b) waste is levelled and compacted as soon as practicable after it is discharged;</p> <p>(c) waste is placed and compacted to ensure all faces are stable and capable of retaining restoration material; and</p> <p>(d) restoration of a cell or phase takes place within 6 months after disposal in that cell or phase has been completed.</p>	Compliant															
1.2.12	<p>The Licence Holder shall ensure that cover is applied and maintained on landfilled wastes in accordance with Table 1.2.5 and that sufficient stockpiles of cover are maintained on site at all times.</p> <p>Table 1.2.5: Cover requirements</p> <table><tr><th>Waste Type</th><th>Material</th><th>Depth</th><th>Timescales</th></tr><tr><td>Inert Waste Type 1</td><td rowspan="2">Inert and incombustible material</td><td rowspan="2">Sufficient to ensure the waste is completely covered and that no waste is exposed</td><td rowspan="2">Weekly or as soon as practicable after deposit and prior to compaction</td></tr><tr><td>Putrescible Waste</td></tr><tr><td>Inert Waste Type 2</td><td>Tyres</td><td>100 mm</td><td>To be covered by the end of the working day in which the waste was deposited with sufficient quantities of Type 1 inert waste or clean fill to prevent the spread of fire and harbouring of disease vectors.</td></tr></table> <p>Note 1: Additional Requirements for the covering of tyres are set out in Part 6 of the <i>Environmental Protection Regulations 1987</i>.</p>	Waste Type	Material	Depth	Timescales	Inert Waste Type 1	Inert and incombustible material	Sufficient to ensure the waste is completely covered and that no waste is exposed	Weekly or as soon as practicable after deposit and prior to compaction	Putrescible Waste	Inert Waste Type 2	Tyres	100 mm	To be covered by the end of the working day in which the waste was deposited with sufficient quantities of Type 1 inert waste or clean fill to prevent the spread of fire and harbouring of disease vectors.	Compliant		
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1.2.13	The Licence Holder shall ensure that wind-blown waste is contained within the landfill area and that wind-blown waste is returned to the tipping area on at least a weekly basis.	Compliant													
1.2.14	<div>The Licence Holder shall ensure that the infrastructure or equipment specified in Table 1.2.6 is designed in accordance with the requirements specified in Table 1.2.6.</div> <table><tr><th colspan="2">Table 1.2.6: Infrastructure requirements</th></tr><tr><th>Infrastructure</th><th>Requirements (design)</th></tr><tr><td>TSF2</td><td><div>The TSF2 must:</div><div><div>(a) no more than 109 hectares;</div><div>(b) no more than RL 399.0m;</div><div>(c) have an underdrainage system maintained, comprising a finger drain network at the base of each cell to assist with the recovery of water from the consolidation of the tailings and to reduce potential seepage loss;</div><div>(d) have water return sumps installed and maintained at the lowest points and constructed using large diameter concrete pipes founded on a concrete base. The underdrainage system discharges any collected water into a water return sump as depicted in Figure 1 of Schedule 1;</div></div></td></tr><tr><td></td><td><div><div>(e) include two recovery bores TSFB002 and TSFB003 to the west and east sides of TSF2 and pump back system to manage any potential seepage as depicted in the map of production bores in Schedule 1;</div><div>(f) piezometers TSF2-VWP 03, TSF2-VWP 06, TSF2-VWP 09, TSF2-VWP 12, TSF2-VWP 15 and TSF2-VWP 18 monitored prior, during and after beaching operations across TSF2;</div><div>(g) groundwater monitoring bores KCB07F, KCB12, KCB41, TSFB001 depicted in the map of monitoring locations in Schedule 1 with baseline monitoring conducted of the parameters listed in Table 3.4.1;</div><div>(h) have the two production bores KCB12 and KCB12B to act as an interception with pump back system should they be required to manage any potential seepage as depicted in the map of production bores in Schedule 1;</div><div>(i) be maintained to accommodate a 1 in 100 year 72 hour rainfall event;</div><div>(j) be maintained to have a total freeboard of 500 mm above storm water capacity elevation and an operational freeboard of 300 mm; and</div><div>(k) have the centrally located decant structures maintained to recover the highest percentage of process water in each cell.</div></div></td></tr><tr><td>Pipelines (tailings and return water)</td><td><div>Pipelines constructed of high density polyethylene</div><div>Pipelines within bunded trenches, maintained with sufficient capacity to contain any spill for a period equal to the time between routine inspections</div><div>Return water pipeline maintained with a series of valves to allow water to be diverted into the tailings line for flushing purposes via junction points</div><div>Flow meters positioned at the start and end of the tailings pipeline to monitor flows and pressure losses. In the event of pipeline failure, Shift Supervisor is to be notified and the pipeline shut down until repaired</div><div>Spigots maintained at approximately 20 m centres around the TSF2 perimeter</div></td></tr></table>	Table 1.2.6: Infrastructure requirements		Infrastructure	Requirements (design)	TSF2	<div>The TSF2 must:</div> <div><div>(a) no more than 109 hectares;</div><div>(b) no more than RL 399.0m;</div><div>(c) have an underdrainage system maintained, comprising a finger drain network at the base of each cell to assist with the recovery of water from the consolidation of the tailings and to reduce potential seepage loss;</div><div>(d) have water return sumps installed and maintained at the lowest points and constructed using large diameter concrete pipes founded on a concrete base. 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In the event of pipeline failure, Shift Supervisor is to be notified and the pipeline shut down until repaired</div> <div>Spigots maintained at approximately 20 m centres around the TSF2 perimeter</div>	Compliant			
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TSF2	<div>The TSF2 must:</div> <div><div>(a) no more than 109 hectares;</div><div>(b) no more than RL 399.0m;</div><div>(c) have an underdrainage system maintained, comprising a finger drain network at the base of each cell to assist with the recovery of water from the consolidation of the tailings and to reduce potential seepage loss;</div><div>(d) have water return sumps installed and maintained at the lowest points and constructed using large diameter concrete pipes founded on a concrete base. The underdrainage system discharges any collected water into a water return sump as depicted in Figure 1 of Schedule 1;</div></div>														
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2.1.1	<div>The Licence Holder shall ensure that where waste is emitted to air from the emission points in Table 2.2.1 and identified on the map of emission points in Schedule 1 it is done so in accordance with the conditions of this Licence.</div> <div>Table 2.1.1: Emission points to air</div> <table><tr><th>Emission point reference and location on Map of emission points</th><th>Emission Point</th><th>Emission point height (m)</th><th>Source, including any abatement</th></tr><tr><td>A1</td><td>Off-gas released to air via a stack</td><td>27.3 m</td><td>Carbon regeneration</td></tr><tr><td>A2</td><td>Off-gas released to air via a stack</td><td>10.4 m</td><td>Gold smelting</td></tr></table>	Emission point reference and location on Map of emission points	Emission Point	Emission point height (m)	Source, including any abatement	A1	Off-gas released to air via a stack	27.3 m	Carbon regeneration	A2	Off-gas released to air via a stack	10.4 m	Gold smelting	Non-complaint	<div>During the March 2021 DWER inspection it was identified that the current Power Generation Facility had been upgraded to a 10MW capacity without Licence coverage. The department issued a Breach as outlined below.</div> <div>Breach of Section 52 of the <i>Environmental Protection Act 1986</i> - The department requires the licence holder to submit the licence amendment application to the department withing 30 days from the inspection outcome letter, to include the existing power plant to the licence.</div> <div>██████ prepared and submitted an additional licence amendment application to include the 10MW power station on the 26/07/2021. Licence amendment was granted by DWER on the 5/11/2021.</div>
Emission point reference and location on Map of emission points	Emission Point	Emission point height (m)	Source, including any abatement												
A1	Off-gas released to air via a stack	27.3 m	Carbon regeneration												
A2	Off-gas released to air via a stack	10.4 m	Gold smelting												

3.1.1	The Licence Holder shall ensure that: (a) all water samples are collected and preserved in accordance with AS/NZS 5667.1; (b) all wastewater sampling is conducted in accordance with AS/NZS 5667.10; (c) all groundwater sampling is conducted in accordance with AS/NZS 5667.11; and (d) all samples are submitted to and tested by a laboratory with current NATA accreditation for the parameters being measured unless indicated otherwise in the relevant table.	Compliant																
3.1.2	The Licence Holder shall ensure that: (a) monthly monitoring is undertaken at least 15 days apart; (b) quarterly monitoring is undertaken at least 45 days apart; (c) six monthly monitoring is undertaken at least 5 months apart; and (d) annual monitoring is undertaken at least 9 months apart.	Compliant																
3.1.3	The Licence Holder shall ensure that all monitoring equipment used on the Premises to comply with the conditions of this Licence is calibrated in accordance with the manufacturer's specifications.	Compliant																
3.1.4	The Licence Holder shall, where the requirements for calibration cannot be practicably met, or a discrepancy exists in the interpretation of the requirements, bring these issues to the attention of the CEO accompanied with a report comprising details of any modifications to the methods.	Compliant																
3.2.1	<p>The Licence Holder shall undertake the monitoring specified in Table 3.2.1.</p> <p>Table 3.2.1: Monitoring of inputs and outputs</p> <table><tr><th>Input / Output</th><th>Parameter</th><th>Units</th><th>Averaging Period</th><th>Frequency</th></tr><tr><td>Waste Inputs</td><td>Inert Waste Type 1, Putrescible Waste and Clean Fill</td><td>Tonnes or (where no weighbridge is present) m³</td><td>N/A</td><td>Each load arriving at the landfill</td></tr><tr><td>Waste Inputs</td><td>Inert Waste Type 2 (Tyres)</td><td>Tonnes</td><td>N/A</td><td>Each load arriving at the landfill</td></tr></table>	Input / Output	Parameter	Units	Averaging Period	Frequency	Waste Inputs	Inert Waste Type 1, Putrescible Waste and Clean Fill	Tonnes or (where no weighbridge is present) m ³	N/A	Each load arriving at the landfill	Waste Inputs	Inert Waste Type 2 (Tyres)	Tonnes	N/A	Each load arriving at the landfill	Partial Compliance	<p>During Sept 2020 to February 2021 the site did not track waste quantities.</p> <p>██████ has since implemented further resources since taking over the project to bring this condition into compliance. Since Feb 2021 Each load taken to landfill has been captured and quantities recorded.</p>
Input / Output	Parameter	Units	Averaging Period	Frequency														
Waste Inputs	Inert Waste Type 1, Putrescible Waste and Clean Fill	Tonnes or (where no weighbridge is present) m ³	N/A	Each load arriving at the landfill														
Waste Inputs	Inert Waste Type 2 (Tyres)	Tonnes	N/A	Each load arriving at the landfill														

3.3.1

The Licence Holder shall undertake the monitoring specified in Table 3.3.1.

Table 3.3.1: Process monitoring

Monitoring point reference	Process description	Parameter	Units	Frequency	Method
P1 being the pipe feeding TSF from the wastewater-treatment plant	Treated wastewater quality	pH ¹	pH units	Fortnightly	AS/NZS 5867.1
		Biochemical oxygen demand	mg/L		AS/NZS 5867.10
		Total suspended solids	mg/L		
		Total nitrogen	mg/L		
		Total phosphorus	mg/L		
P2 being the tailings reuse water	Water recovered from the TSF2 for reuse onsite	<i>E.coli</i>	org/100mL	Quarterly	AS/NZS 5867.1 AS/NZS 5867.11
		pH ¹	pH units		
		Electrical conductivity	µS/cm		
		Total dissolved solids	mg/L		
		Hardness	mg/L		
		Hydroxide	mg/L		
		Silicon dioxide	mg/L		
		Carbonate	mg/L		
		Bicarbonate	mg/L		
		Potassium	mg/L		
		Calcium	mg/L		
		Magnesium	mg/L		
		Chloride	mg/L		
		Sulfate	mg/L		
		Nitrate	mg/L		
		Aluminium (dissolved)	mg/L		
		Arsenic	mg/L		
		Boron	mg/L		
		Barium	mg/L		
		Beryllium	mg/L		
		Mercury	mg/L		
		Molybdenum	mg/L		
		Lead (dissolved)	mg/L		
		Selenium	mg/L		
		Antimony	mg/L		
		Strontium	mg/L		
		Zinc (dissolved)	mg/L		
		Chromium (VI) (dissolved)	mg/L		
		Copper	mg/L		
		Iron (dissolved)	mg/L		
		Manganese	mg/L		
		Nickel	mg/L		
-	-	Volumes of treated effluent from the Wastewater Treatment Plant deposited into the TSF1	m ³	Continuous	Flow metering device
-	-	Volumes of decant water recovered from the TSFs	m ³	Continuous	Flow metering device
-	-	Phreatic surface levels within TSFs embankments	m AHD	Monthly	Data logger
-	-	Volumes of toe drainage seepage recovered	m ³	Continuous	Flow metering device
-	-	Volume of seepage captured by recovery bores TSFB002 and TSFB003	m ³	Continuous	Flow metering device

Note 1: In-field non-NATA accredited analysis permitted.

Partial Compliance

- P1 – Only Sampled monthly until April 2021 when fortnightly sampling of treated wastewater was undertaken.

STP Sampling Frequency – Non-compliances		
Month	Frequency	Date Sampled
Oct-20	Not sampled	-
Nov-20	Sampled monthly	29/11/2020
Dec-20	Sampled monthly	20/12/2021
Jan-21	Sampled monthly	10/01/2021
Feb-21	Sampled monthly	7/02/2021
Mar-21	Sampled monthly	18/03/2021

- P2 was sampled every quarter except December 2020 where operations were still in care and maintenance and therefore no tails return water was available.
- Volumes of treated waste water is recorded and reported on in the AER.
- Volumes of decant water is recorded and reported on in the AER.
- Phreatic surface levels within the TSF embankments have been recorded partially throughout the reporting period due to equipment technical issues. All VWP loggers on the operational TSF2 are now operational with updated communications infrastructure installed.
- Volumes of toe drainage seepage recovery is recorded and reported on in the AER.
- Volumes seepage recovery bores TSFB002 and TSFB003 is recorded and reported on in the AER.

3.4.1

The Licence Holder shall undertake the monitoring in Table 3.4.1 according to the specifications in that table and record and investigate results that do not meet any limit specified.

Table 3.4.1: Monitoring of ambient groundwater quality

Monitoring point reference	Parameter	Limit	Units	Averaging period	Frequency	
GEWB01, GEWB02, GEWB04, GEWB05, GEWB06, GEWB09, GEWB012A, GEWB013A, GEWB014A, GEWB015, GEWB016, GEWB019, GEWB020, GEWB023	Volume ¹	None specified	KL	Continuous	Monthly	
	Surface water level		mbgl	Spot sample	Quarterly	
	pH ¹		-			
	Electrical conductivity ¹		µS/cm			
	Total dissolved solids ¹		mg/L			
	GEWB02, GEWB05, GEWB021, GEWB024, GEWB016, M01-M07, M16, M17, 11SDMW08, TDMB1S/D, TDMB2S/D, TDMB3S/D, TDMB4S/D, TDMB5S/D, TDMB6S/D, TSF2MB1S/D, TSF2MB2S/D, TSF2MB3S/D, TSF2MB4S/D, TSF2MB5S/D, KCB07F, KCB12, KCB41, and TSFB001		Surface water level	5	mbgl	Spot sample
pH ¹		None specified	-	Spot sample	Annual: GEWB021, GEWB024, M01M04, M16, M17 Six monthly: GEWB05, GEWB02, GEWB016, M05, M06, M07, 11SDMW08 Quarterly: TDMB1S/D, TDMB2S/D, TDMB3S/D, TDMB4S/D, TDMB5S/D, TDMB6S/D TSF2MB1S/D, TSF2MB2S/D, TSF2MB3S/D, TSF2MB4S/D, TSF2MB5S/D, KCB07F, KCB12, KCB41, TSFB001	
Electrical conductivity			mg/L			
Total dissolved solids						
Hardness						
Hydroxide						
Silicon dioxide						
Carbonate						
Bicarbonate						
Potassium						
Calcium						
Magnesium						
Chloride						1500
Sulfate						3000
Nitrate						50
Aluminium (dissolved)						2
Arsenic		5				
Boron		5				
Barium		5				
Beryllium		0.6				
Mercury		0.01				
Molybdenum		0.5				
Lead (dissolved)		0.1				
Selenium		0.1				
Antimony		0.03				
Strontium		4				
Zinc (dissolved)		3				

Non-compliance

All noncompliance according to specifications in Table 3.4.1 detailed below:

Exceedance	Month	Details
Surface Water Level (SWL)		
SWL (<5mbgl)	Jan-21	M02 – 4.33mbgl 13/01/2021 TDMB3S – 3.265mbgl 15/01/2021
	Feb-21	M02 – 3.63mbgl 14/02/2021 TDMB3S – 3.41mbgl 14/02/2021 TSF2MB4S – 4.32mbgl 2/02/2021 11SDMW08 – 3.22mbgl 27/02/2021
	Mar-21	M02 – 3.24mbgl 26/03/2021 TDMB3S – 3.40mbgl 26/03/2021 11SDMW08 – 2.395mbgl 27/03/2021
	Apr-21	M02 – 3.525mbgl 23/04/2021 11SDMW08 – 1.97mbgl 24/04/2021
	May-21	M02 – 3.83mbgl 22/05/2021 11SDMW08 – 2.055mbgl 29/05/2021
	Jun-21	M02 – 4.05mbgl 23/06/2021 11SDMW08 – 2.39mbgl 24/06/2021
	Jul-21	M02 – 4.18mbgl 11/07/2021 11SDMW08 – 2.79mbgl 23/07/2021
	Aug-21	M02 – 4.41mbgl 22/08/2021 11SDMW08 – 3.39mbgl 29/08/2021
	Sep-21	M02 – 4.82mbgl 30/09/2021 11SDMW08 – 3.87mbgl 29/09/2021
SWL not recorded	Oct-20	No bores dipped - Care and Maintenance (insufficient personnel)
	Nov-20	GEWB001, GEBW012/12A, GEBW013/13A and GEBW016 (no longer exist) GEBW020 (unserviceable) and GEBW024 (wrong coordinates)
	Dec-20	GEWB001, GEBW012/12A, GEBW013/13A and GEBW016 (no longer exist), GEBW005 and M07 (unsafe to dip), GEBW020 (unserviceable) and GEBW024 (wrong coordinates)
	Jan-21	GEWB001, GEBW012/12A, GEBW013/13A and GEBW016 (no longer exist), GEBW005 and M07 (unsafe to dip), GEBW020 (unserviceable), GEBW024 (wrong coordinates) and 11SDMW08 (inaccessible)
	Feb-21	GEWB001, GEBW012/12A, GEBW013/13A and GEBW016 (no longer exist) GEBW005 and M07 (unsafe to dip), GEBW020 (unserviceable) and GEBW024 (wrong coordinates)
	Mar-21	GEWB001, GEBW012/12A, GEBW013/13A and GEBW016 (no longer exist) GEBW005 and M07 (unsafe to dip), GEBW020 (unserviceable) and GEBW024 (wrong coordinates)
	Apr-21	GEWB001, GEBW012/12A, GEBW013/13A and GEBW016 (no longer exist) GEBW005 and M07 (unsafe to dip), GEBW020 (unserviceable) and GEBW024 (wrong coordinates) and M16 (unserviceable - obstruction)
	May-21	

	Chromium (VI) (dissolved)	0.008			
	Copper	2			
	Iron (dissolved)	500			
	Manganese	18			
	Nickel	0.5			
	Acrylamide	None specified	µg/L		
GEWB05, GEWB02, GEWB016, M05, M06, M07, 11SDMW08	Total recoverable hydrocarbons	5	mg/L	Spot sample	Six monthly
TSF2-VWP 03, TSF2-VWP 06, TSF2-VWP 09, TSF2-VWP 12, TSF2-VWP 15 and TSF2-VWP 18	Surface water level (SWL)	5	mbgl	Spot sample	monthly
TDMB1S/D, TDMB2S/D, TDMB3S/D, TDMB4S/D, TDMB5S/D, TDMB6S/D, TSF2MB1S/D, TSF2MB2S/D, TSF2MB3S/D, TSF2MB4S/D, TSF2MB5S/D, TSFB001, KCB07F, KCB12, KCB41	Total cyanide	None specified	mg/L	Spot sample	Quarterly
	Free cyanide	0.8	mg/L		

Note 1: In-field non-NATA accredited analysis permitted.

		GEWB001, GEWB012/12A, GEWB013/13A and GEWB016 (no longer exist) GEWB005 and M07 (unsafe to dip), GEWB020 (unserviceable) GEWB024 (wrong coordinates) and M16 (unserviceable - obstruction)
	Jun-21	GEWB001, GEWB012/12A, GEWB013/13A and GEWB016 (no longer exist) GEWB005 and M07 (unsafe to dip), GEWB020 (unserviceable) and M16 (unserviceable - obstruction)
	Jul-21	GEWB001, GEWB012/12A, GEWB013/13A and GEWB016 (no longer exist) GEWB005 and M07 (unsafe to dip) and GEWB020, M06 and M16 (unserviceable - obstruction)
	Aug-21	GEWB001, GEWB012/12A, GEWB013/13A and GEWB016 (no longer exist) GEWB005 and M07 (unsafe to dip) and GEWB020 and M16 (unserviceable - obstruction)
	Sep-21	GEWB001, GEWB012/12A, GEWB013/13A and GEWB016 (no longer exist) GEWB005 and M07 (unsafe to dip), GEWB020 and M16 (unserviceable - obstruction)
TSF2-VWPs SWL not recorded	Feb-21	TSF2-VWP 03, TSF2-VWP 06, TSF2-VWP 09, TSF2-VWP 12, TSF2-VWP 15 and TSF2-VWP 18
	Jun-21	TSF2-VWP 06
	Jul-21	TSF2-VWP 06, TSF2-VWP 12, TSF2-VWP 15
	Aug-21	TSF2-VWP 03, TSF2-VWP 06, TSF2-VWP 09, TSF2-VWP 12, TSF2-VWP 15 and TSF2-VWP 18
	Sep-21	TSF2-VWP 09 and TSF2-VWP 18
Bores Not Sampled		
Quarterly Sampling	Dec-20	KCB07F, KCB12, KCB41, TDMB1-6S (dry) and TSFB001
	Mar-21	TDMB1S, 2S, 4S and 5S (all dry)
	Jun-21	TDMB1-5S (dry)
	Sep-21	TDMB1-6S (dry)
Biannual Sampling	Dec-20	GEWB005 (too close to pit edge, unsafe to dip), GEWB016 (no longer exists), M05 (unserviceable) and GEWB002 and M06
	Jun-21	GEWB005 and M07 (too close to pit edge, unsafe to dip), GEWB016 (no longer exists) and M05 (unserviceable)
Annual Sampling	Dec-20	GEWB021, GEWB024 and M02 (wrong coordinates),
	Jun-21	M16 (unserviceable - obstruction)
Parameters Not Sampled		
Quarterly Sampling	Dec-20	Acrylamide
	Mar-21	Acrylamide
Biannual Sampling	Dec-20	Acrylamide
Annual Sampling	Dec-20	Acrylamide
Reporting Limit Exceedances		

Dec-20	Quarterly Sampling	Bore	Analyte	Limit (mg/L)	Measured Value (mg/L)
		TSF2MB1D	Chloride	1500	9370
			Antimony	0.03	0.038
			Nickel	0.5	0.613
			Strontium	4	6.72
			Sulfate	3000	13300
		TSF2MB1S	Chloride	1500	10600
			Strontium	4	8.53
			Sulfate	3000	15500
		TSF2MB2D	Chloride	1500	7160
			Antimony	0.03	0.04
			Strontium	4	8.7
	Sulfate		3000	10500	
	TSF2MB2S	Chloride	1500	8190	
		Strontium	4	10.1	
		Sulfate	3000	12300	
	TSF2MB3D	Chloride	1500	6170	
		Strontium	4	7.98	
		Sulfate	3000	8420	
TSF2MB3S	Chloride	1500	7650		
	Strontium	4	8.24		
	Sulfate	3000	10300		
TSF2MB4D	Chloride	1500	8080		
	Antimony	0.03	0.035		
	Strontium	4	7.94		
	Sulfate	3000	11200		
TSF2MB4S	Chloride	1500	10300		
	Strontium	4	8.32		
	Sulfate	3000	13000		
TSF2MB5	Chloride	1500	7440		
	Sulfate	3000	4970		
Biannual Sampling	11SDMW08	Chloride	1500	2400	
		Antimony	0.03	0.036	
Annual Sampling	M04	Antimony	0.03	0.031	
	M17	Chloride	1500	3900	
		Sulfate	3000	6990	
Mar-21	Quarterly Sampling	Bore	Analyte	Limit (mg/L)	Measured Value (mg/L)
		KCB07F	Chloride	1500	3940
			Strontium	4	4.63
		KCB41	Arsenic	5	85.1
		TDMB1D	Nickel	0.5	1.34
		TDMB4D	Chromium (VI)(filtered)	0.008	0.011



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Jun-21	Quarterly Sampling	TSF2MB1D	Chloride Antimony Nickel Strontium Sulfate	1500 0.03 0.5 4 3000	8520 0.067 2.18 8.08 9550
		TSF2MB1S	Chloride Sulfate	1500 3000	3270 4080
		TSF2MB2D	Chloride Strontium Sulfate	1500 4 3000	7510 10.7 11100
		TSF2MB2S	Chloride Strontium Sulfate	1500 4 3000	7950 10.9 11900
		TSF2MB3D	Chloride Antimony Strontium Sulfate	1500 0.03 4 3000	5910 0.064 9.31 8590
		TSF2MB3S	Chloride Strontium Sulfate	1500 4 3000	7360 8.22 10000
		TSF2MB4D	Chloride Antimony Strontium Sulfate	1500 0.03 4 3000	7580 0.057 7.38 10100
		TSF2MB4S	Chloride	1500	2180
		TSF2MB5	Chloride Sulfate	1500 3000	8340 4480
		TSFB001	Chloride Strontium Sulfate	1500 4 3000	6670 7.12 7310
		Bore	Analyte	Limit (mg/L)	Measured Value (mg/L)
		KCB07F	Chloride Sulphate	1500 3000	3730 6200
		KCB41	Arsenic	5	60.7
		TDMB1D	Nickel	0.5	0.627
		TDMB5D	Chromium(VI)(dissolved)	0.008	0.1
Jun-21	Quarterly Sampling	TSF2MB1S	Chloride Strontium Sulphate	1500 4 3000	4840 6.6 7270
		TSF2MB2D	Chloride Strontium Sulphate	1500 4 3000	7020 10.3 11500
		TSF2MB2S	Chloride Strontium	1500 4	8160 10.7

Sep-21			Sulphate	3000	12200	
		TSF2MB3D	Chloride	1500	6120	
			Antimony	0.03	0.045	
			Strontium	4	8.81	
			Sulphate	3000	8540	
		TSF2MB3S	Chloride	1500	7390	
			Strontium	4	8.45	
			Sulfate	3000	10100	
		TSF2MB4D	Chloride	1500	7630	
			Antimony	0.03	0.059	
			Strontium	4	7.4	
			Sulfate	3000	10700	
		TSF2MB4S	Chloride	1500	6790	
			Strontium	4	6.68	
			Sulphate	3000	8880	
		TSF2MB5	Chloride	1500	4200	
		TSFB001	Chloride	1500	6750	
			Strontium	4	7.04	
			Sulfate	3000	8090	
	Biannual Sampling	11SDMW08	Antimony	0.03	0.039	
	Annual Sampling	M17	Chloride	1500	4300	
			Nickel	0.5	0.64	
			Sulfate	3000	7070	
	Quarterly Sampling	Bore	Analyte	Limit (mg/L)	Measured Value (mg/L)	
		KCB07F	Chloride	1500	4130	
			Strontium	4	5.03	
			Sulfate	3000	6780	
		KCB41	Arsenic	5	15.1	
		TDMB4D	Chromium(VI)(dissolved)	0.008	0.01	
		TDMB5D	Chromium(VI)(dissolved)	0.008	0.031	
		TSF2MB1D	Chloride	1500	6630	
			Antimony	0.03	0.032	
			Strontium	4	7.3	
			Sulfate	3000	8600	
		TSF2MB1S	Chloride	1500	5840	
			Strontium	4	7.66	
			Sulfate	3000	8010	
		TSF2MB2D	Chloride	1500	7740	
			Strontium	4	10.9	
			Sulfate	3000	10700	
		TSF2MB2S	Chloride	1500	7830	
			Strontium	4	10.9	

	<p>(a) Testing using the LEAF Test Method 131 pH-dependent leaching test (US EPA, 2017);</p> <p>(b) Geotechnical characterisation of tailings including: particle size distribution, volume of solids, settling test (drained and undrained), air drying test and hydraulic conductivity of the same tailings tested in (a); and</p> <p>(c) Testing for the contaminants listed in Table 3.4.3.</p> <p>All test results shall be collated and provided in a report to the CEO no later than 60 days after the sample results have become available.</p> <p>Table 3.4.3: Tailings characterisation parameters</p> <table> <tr> <th>Stream</th><th colspan="3">Contaminants</th></tr> <tr> <td rowspan="11">Tailings leachate and pore water (mg/L)</td><td>Ag - Silver</td><td>Fe - Iron</td><td>Sb - Antimony</td></tr> <tr> <td>Al - Aluminium</td><td>Hg - Mercury</td><td>Se - Selenium</td></tr> <tr> <td>As - Arsenic</td><td>K - Potassium</td><td>Si - Silicon</td></tr> <tr> <td>Ba - Barium</td><td>Mg - Magnesium</td><td>Sn - Tin</td></tr> <tr> <td>B - Boron</td><td>Mn - Manganese</td><td>Sr - Strontium</td></tr> <tr> <td>C total - Carbon total</td><td>Mo - Molybdenum</td><td>Zn - Zinc</td></tr> <tr> <td>C carbonate - Carbon carbonate</td><td>Na - Sodium</td><td>TDS (total dissolved solids)</td></tr> <tr> <td>Ca - Calcium</td><td>Ni - Nickel</td><td>Total Nitrogen</td></tr> <tr> <td>Cd - Cadmium</td><td>P - Phosphorus</td><td>Sulfur total</td></tr> <tr> <td>Co - Cobalt</td><td>Pb - Lead</td><td>SO₄²⁻ - Sulphate</td></tr> <tr> <td>Cr - Chromium</td><td>Cu - Copper</td><td>Acrylamide</td></tr> <tr> <td>Tailings leachate and pore water (pH units)</td><td colspan="3">pH</td></tr> </table>	Stream	Contaminants			Tailings leachate and pore water (mg/L)	Ag - Silver	Fe - Iron	Sb - Antimony	Al - Aluminium	Hg - Mercury	Se - Selenium	As - Arsenic	K - Potassium	Si - Silicon	Ba - Barium	Mg - Magnesium	Sn - Tin	B - Boron	Mn - Manganese	Sr - Strontium	C total - Carbon total	Mo - Molybdenum	Zn - Zinc	C carbonate - Carbon carbonate	Na - Sodium	TDS (total dissolved solids)	Ca - Calcium	Ni - Nickel	Total Nitrogen	Cd - Cadmium	P - Phosphorus	Sulfur total	Co - Cobalt	Pb - Lead	SO ₄ ²⁻ - Sulphate	Cr - Chromium	Cu - Copper	Acrylamide	Tailings leachate and pore water (pH units)	pH				
Stream	Contaminants																																												
Tailings leachate and pore water (mg/L)	Ag - Silver	Fe - Iron	Sb - Antimony																																										
	Al - Aluminium	Hg - Mercury	Se - Selenium																																										
	As - Arsenic	K - Potassium	Si - Silicon																																										
	Ba - Barium	Mg - Magnesium	Sn - Tin																																										
	B - Boron	Mn - Manganese	Sr - Strontium																																										
	C total - Carbon total	Mo - Molybdenum	Zn - Zinc																																										
	C carbonate - Carbon carbonate	Na - Sodium	TDS (total dissolved solids)																																										
	Ca - Calcium	Ni - Nickel	Total Nitrogen																																										
	Cd - Cadmium	P - Phosphorus	Sulfur total																																										
	Co - Cobalt	Pb - Lead	SO ₄ ²⁻ - Sulphate																																										
	Cr - Chromium	Cu - Copper	Acrylamide																																										
Tailings leachate and pore water (pH units)	pH																																												
4.1	<p>The Licence Holder must submit to the CEO a seepage management plan for TSF2 including:</p> <p>(a) Trigger levels to protect receptors;</p> <p>(b) Management actions including seepage recovery measures and timeframes; and</p> <p>(c) Disposal option(s) where required to prevent impacts with timelines for implementation, by 30 April 2021</p>	Partial Compliance	<p>██████████ – TSF2 Seepage Management Plan V1.0' was submitted to DWER on 14/05/2021.</p> <p>Revision V1.1 of the Seepage Management Plan was re-submitted following DWER comments on 26/09/2021.</p>																																										
5.1.1	<p>All information and records required by the Licence shall:</p> <p>(a) be legible;</p> <p>(b) if amended, be amended in such a way that the original and subsequent amendments remain legible or are capable of retrieval;</p> <p>(c) except for records listed in 5.1.1(d) be retained for at least 6 years from the date the records were made or until the expiry of the Licence or any subsequent licence; and</p> <p>(d) for those following records, be retained until the expiry of the Licence and any subsequent licence:</p> <p>(i) off-site environmental effects; or</p> <p>(ii) matters which affect the condition of the land or waters.</p>	Partial Compliance	<p>During the transition from the ██████████ acquisition of the project in September 2020 it has been identified that some of the historical records and data are missing from the MML servers obtained by Novo.</p> <p>██████████ implemented systems and processes since taking over the project to bring this condition into compliance.</p>																																										
5.1.2	<p>The Licence Holder shall ensure that:</p> <p>(a) any person left in charge of the Premises is aware of the conditions of the Licence and has access at all times to the Licence or copies thereof; and</p> <p>(b) any person who performs tasks on the Premises is informed of all of the conditions of the Licence that relate to the tasks which that person is performing.</p>	Compliant																																											
5.1.3	<p>The Licence Holder must submit to the CEO within 90 days after the Anniversary Date, an Annual Audit Compliance Report indicating the extent to which the Licence Holder has complied with the conditions in this of the Licence, for the Annual Period.</p>	Non-compliance	<p>AER and AACR were delayed due to resources and data constraints. The 2019/2020 AACR was submitted to DWER on 23/05/2021.</p> <p>██████████ has implemented further resources since taking over the project to bring this condition into compliance.</p>																																										
5.1.4	<p>The Licence Holder shall implement a complaints management system that as a minimum records the number and details of complaints received concerning the environmental impact of the activities undertaken at the Premises and any action taken in response to the complaint.</p>	Compliant																																											

5.1.5	<p>The Licence Holder shall:</p> <p>(a) implement and maintain a system which ensures that a record is made of:</p> <p>(i) the waste types and quantities accepted at the site;</p> <p>(ii) the waste types and quantities disposed of at the site; and</p> <p>(iii) any documentary evidence to demonstrate compliance with the Class II landfill acceptance criteria.</p>	Partial Compliance	This condition is in noncompliance for the reporting period, Novo has implemented systems and processes since taking over the project to bring this condition into compliance. Novo Resources have continued to capture records of each load taken to landfill from February 2021 and reported quantities in the 2021 Annual Environmental Report.																																											
5.2.1	<p>The Licence Holder shall submit to the CEO an Annual Environmental Report within 90 calendar days after the end of the annual period. The report shall contain the information listed in Table 5.2.1 in the format or form specified in that table.</p> <p>Table 5.2.1: Annual Environmental report</p> <table><tr><th>Condition or table (if relevant)</th><th>Parameter</th><th>Format or form[†]</th></tr><tr><td>-</td><td>Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken</td><td>None specified</td></tr><tr><td>1.2.2</td><td>Summary of the TSF inspections including details on any breach of freeboard, seepage, spills or leaks and corrective measures undertaken to rectify any issues identified.</td><td>None specified</td></tr><tr><td>1.2.7</td><td>TSF water balance</td><td>Excel spreadsheet – data from each month</td></tr><tr><td>Table 3.2.1</td><td>Inert Waste Type 1, Putrescible Waste and Clean fill tonnage Inert Waste Type 2 weight</td><td>None specified</td></tr><tr><td rowspan="7">Table 3.3.1</td><td>pH, biochemical oxygen demand, total suspended solids, total nitrogen, total phosphorus and <i>E. coli</i></td><td>Graph showing concentration/value x time plus raw data in excel format</td></tr><tr><td>pH, Electrical conductivity, Total dissolved solids, Hardness, Hydroxide, Silicon dioxide, Carbonate, Bicarbonate, Potassium, Calcium, Magnesium, Chloride, Sulfate, Nitrate, Aluminium (dissolved), Arsenic, Boron, Barium, Beryllium, Mercury, Molybdenum, Lead (dissolved), Selenium, Antimony, Strontium, Zinc, (dissolved), Chromium (VI) (dissolved), Copper, Iron (dissolved), Manganese, and Nickel</td><td>Graph showing concentration/value x time plus raw data in excel format</td></tr><tr><td>Volume of treated effluent from the wastewater treatment plant deposited into the TSF1</td><td>None specified</td></tr><tr><td>Volumes of decant water recovered from the TSF</td><td>None specified</td></tr><tr><td>Phreatic surface levels within TSFs embankments</td><td>None specified</td></tr><tr><td>Volumes of toe drainage seepage recovered</td><td>None specified</td></tr><tr><td>Table 3.4.1</td><td>Volume, pH, Electrical conductivity, Total dissolved solids, Hardness, Hydroxide, Silicon dioxide, Carbonate, Bicarbonate, Potassium, Calcium, Magnesium, Chloride, Sulfate, Nitrate, Aluminium (dissolved), Arsenic, Boron, Barium, Beryllium, Mercury, Molybdenum, Lead (dissolved), Selenium, Antimony, Strontium, Zinc (dissolved), Chromium (VI) (dissolved), Copper, Iron (dissolved), Manganese, Nickel, Total recoverable hydrocarbons, Total cyanide, Free cyanide and Water level</td><td>Graph showing concentration/value x time plus raw data in excel format</td></tr><tr><td>3.4.2</td><td>Breach of surface water level trigger level</td><td>None specified</td></tr><tr><td>5.1.3</td><td>Compliance</td><td>Annual Audit Compliance Report (AACR)[†]</td></tr><tr><td>5.1.4</td><td>Complaints summary</td><td>None specified</td></tr><tr><td>5.1.5</td><td>Records of waste types and quantities received at the site and disposed of at the site.</td><td>None specified</td></tr></table> <p>Note 1: AACR form can be found at DWER website.</p>	Condition or table (if relevant)	Parameter	Format or form [†]	-	Summary of any failure or malfunction of any pollution control equipment and any environmental incidents that have occurred during the annual period and any action taken	None specified	1.2.2	Summary of the TSF inspections including details on any breach of freeboard, seepage, spills or leaks and corrective measures undertaken to rectify any issues identified.	None specified	1.2.7	TSF water balance	Excel spreadsheet – data from each month	Table 3.2.1	Inert Waste Type 1, Putrescible Waste and Clean fill tonnage Inert Waste Type 2 weight	None specified	Table 3.3.1	pH, biochemical oxygen demand, total suspended solids, total nitrogen, total phosphorus and <i>E. coli</i>	Graph showing concentration/value x time plus raw data in excel format	pH, Electrical conductivity, Total dissolved solids, Hardness, Hydroxide, Silicon dioxide, Carbonate, Bicarbonate, Potassium, Calcium, Magnesium, Chloride, Sulfate, Nitrate, Aluminium (dissolved), Arsenic, Boron, Barium, Beryllium, Mercury, Molybdenum, Lead (dissolved), Selenium, Antimony, Strontium, Zinc, (dissolved), Chromium (VI) (dissolved), Copper, Iron (dissolved), Manganese, and Nickel	Graph showing concentration/value x time plus raw data in excel format	Volume of treated effluent from the wastewater treatment plant deposited into the TSF1	None specified	Volumes of decant water recovered from the TSF	None specified	Phreatic surface levels within TSFs embankments	None specified	Volumes of toe drainage seepage recovered	None specified	Table 3.4.1	Volume, pH, Electrical conductivity, Total dissolved solids, Hardness, Hydroxide, Silicon dioxide, Carbonate, Bicarbonate, Potassium, Calcium, Magnesium, Chloride, Sulfate, Nitrate, Aluminium (dissolved), Arsenic, Boron, Barium, Beryllium, Mercury, Molybdenum, Lead (dissolved), Selenium, Antimony, Strontium, Zinc (dissolved), Chromium (VI) (dissolved), Copper, Iron (dissolved), Manganese, Nickel, Total recoverable hydrocarbons, Total cyanide, Free cyanide and Water level	Graph showing concentration/value x time plus raw data in excel format	3.4.2	Breach of surface water level trigger level	None specified	5.1.3	Compliance	Annual Audit Compliance Report (AACR) [†]	5.1.4	Complaints summary	None specified	5.1.5	Records of waste types and quantities received at the site and disposed of at the site.	None specified	Non-Compliance	The 2019/2020 AER was submitted to DWER on 23/05/2021.
Condition or table (if relevant)	Parameter	Format or form [†]																																												
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5.1.5	Records of waste types and quantities received at the site and disposed of at the site.	None specified																																												

5.2.2	The Licence Holder shall ensure that the Annual Environmental Report also contains: (a) an assessment of the information contained within the report against previous monitoring results and Licence limits; and (b) an assessment of sewage treatment plant performance.	Compliant	The 2019/2020 AER was submitted to DWER on 23/05/2021.																					
5.2.5	<p>The Licence Holder shall submit the information in Table 5.2.2 to the CEO according to the specifications in that table.</p> <p>Table 5.2.2: Non-annual reporting requirements</p> <table><tr><th>Condition or table (if relevant)</th><th>Parameter</th><th>Reporting period</th><th>Reporting date (after end of the reporting period)</th><th>Format or form¹</th></tr><tr><td>-</td><td>Copies of original monitoring reports submitted to the Licence Holder by third parties</td><td>Not Applicable</td><td>Within 14 days of the CEOs request</td><td>As received by the Licence Holder from third parties</td></tr></table>	Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form ¹	-	Copies of original monitoring reports submitted to the Licence Holder by third parties	Not Applicable	Within 14 days of the CEOs request	As received by the Licence Holder from third parties	Compliant												
Condition or table (if relevant)	Parameter	Reporting period	Reporting date (after end of the reporting period)	Format or form ¹																				
-	Copies of original monitoring reports submitted to the Licence Holder by third parties	Not Applicable	Within 14 days of the CEOs request	As received by the Licence Holder from third parties																				
5.3.1	<p>The Licence Holder shall ensure that the parameters listed in Table 5.3.1 are notified to the CEO in accordance with the notification requirements of the table.</p> <p>Table 5.3.1: Notification requirements</p> <table><tr><th>Condition or table (if relevant)</th><th>Parameter</th><th>Notification requirement¹</th><th>Format or form²</th></tr><tr><td rowspan="2">-</td><td rowspan="2">Breach of any limit specified in the Licence</td><td>Part A: As soon as practicable but no later than 5pm of the next usual working day.</td><td rowspan="2">N1</td></tr><tr><td>Part B: As soon as practicable</td></tr><tr><td>-</td><td>Production ceasing for an unspecified period of time</td><td>As soon as practicable after the decision has been made</td><td>None Specified</td></tr><tr><td>-</td><td>Production recommencing</td><td>At least 28 days prior to production recommencing</td><td>None specified</td></tr><tr><td>3.1.4</td><td>Calibration report</td><td>As soon as practicable</td><td>None specified</td></tr></table> <p>Note 1: Notification requirements in the licence shall not negate the requirement to comply with s72 of the Act</p> <p>Note 2: Forms are in Schedule 2</p>	Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ²	-	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day.	N1	Part B: As soon as practicable	-	Production ceasing for an unspecified period of time	As soon as practicable after the decision has been made	None Specified	-	Production recommencing	At least 28 days prior to production recommencing	None specified	3.1.4	Calibration report	As soon as practicable	None specified	Partial Compliance	This condition is in noncompliance for the reporting period, Novo has implemented systems and processes since taking over the project to bring this condition into compliance. N1 forms have been submitted each month since May 2021.
Condition or table (if relevant)	Parameter	Notification requirement ¹	Format or form ²																					
-	Breach of any limit specified in the Licence	Part A: As soon as practicable but no later than 5pm of the next usual working day.	N1																					
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