



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:	L6079/1988/13	Licence file number:	DER2013/001097
Licence holder name:	Newcrest Mining Limited		
Trading as:	Newcrest Mining Limited		
ACN:	20 005 683 625		
Registered business address:	Level 8, 600 St. Kilda Road Melbourne VIC 3004 Australia		
Reporting period:	01/07/2019 to 30/06/2020		

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
Cat 5: Processing or beneficiation of metallic or nonmetallic ore	16,209,458.3 tonnes ore milled through processing plant
Cat 7: Vat or in situ leaching of metal	4,688,519.54 tonnes of ore to Dump Leach facilities
Cat 52: Electrical Power Generation	102.1 MW

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 54: Sewerage Facility	The evaporation and irrigation WWTP cumulatively accepted up to 169.25 m ³ /day.
Cat 57: Used tyre storage (general)	Cumulatively, approximately 13,000 waste tyres are stored in the approved areas.
Cat 63: Class I inert landfill site	0 tonnes.
Cat 64: Class II putrescible landfill site	2,854.5 tonnes
Cat 73 Bulk Storage of Chemicals, etc.	314 m 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
Cat 6: Mine Dewatering	11,698 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:	3.5.1	Date(s) of non-compliance:	02/01/2020
Details of non-compliance:			
<p>Breach of L6079 Licence Limit specified in Table 3.5.1 (CN_{WAD}: 50 mg/L) at monitoring point P1.</p> <p>CN_{WAD} concentrations of 55.6 mg/L were recorded in a sample collected on 2 January 2019 from the tailings discharged to the Tailings Storage Facility 7 (TSF7).</p>			
<p>What was the actual (or suspected) environmental impact of the non-compliance?</p> <p>NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.</p>			
<p>No significant environmental impact occurred as a result of this exceedance. All tailings material was discharged into approved tailings facility.</p>			
Cause (or suspected cause) of non-compliance:			
<p>The investigation identified that cyanide concentrations required for processing was increased to enable sufficient copper recovery.</p> <p>The process of copper recovery had been limited by a higher sulphur grade in the ore being processed at that time.</p>			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<p>Daily internal (non-NATA accredited) monitoring was also undertaken on the same day, with the elevated concentrations detected on 2 January 2020 by operational staff.</p> <p>The mill was shut down following the internal detection of high cyanide concentrations on 2 January 2020 to prevent further tails discharge.</p> <p>Upon restart of the mill and reduction of the cyanide addition, the ongoing daily internal sampling of tails saw cyanide concentrations return to lower levels.</p> <p>The weekly sample results from a NATA accredited laboratory support this. The results are provided in Appendix 4 and discussed in Section 7.1 of the Annual Environment Report (AER) that this AACR is appended.</p>			
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: 08/01/2020	

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:	1.3.9	Date(s) of non-compliance:	21/01/2020
Details of non-compliance:			
A buried wastewater line was struck during works to expose an adjacent water pipeline resulting in approximately 50 L of effluent being released.			
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 significant environment impact observed or expected. Approximately 5 m ² of previously disturbed land was impacted. The majority of the effluent spill was contained within the excavated trench.			
Cause (or suspected cause) of non-compliance:			
Poor location of services (wastewater line) prior to excavation.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
The wastewater pipeline was immediately isolated and repaired. Impacted soil was treated with a diluted chlorine solution.			
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: 21/01/2020	

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:	1.3.9	Date(s) of non-compliance:	13/02/2020
Details of non-compliance:			
A wastewater transfer pit overflowed, resulting from the mechanical failure of the transfer pump within the pit. An approximate volume of 300 L of untreated wastewater was released.			
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 significant environment impact observed or expected. An approximate area of 150 m ² along and adjacent to a compacted road was impacted.			
Cause (or suspected cause) of non-compliance:			
Mechanical failure of transfer pump located in the pit.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
The transfer pit was isolated from incoming wastewater and pump repaired. Impacted soil was treated with a diluted chlorine solution.			
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: 14/02/2020	

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:	1.3.9	Date(s) of non-compliance:	24/02/2020
Details of non-compliance:			
A wastewater transfer pit overflowed, resulting from the mechanical failure of the transfer pump within the pit. An approximate volume of 300 L of untreated wastewater was released.			
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 significant environment impact observed or expected. An approximate area of 100 m ² along and adjacent to a compacted road was impacted.			
Cause (or suspected cause) of non-compliance:			
Mechanical failure of transfer pump located in the pit, coupled with ingress of surface water from heavy rainfall.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<p>Immediate actions undertaken included:</p> <ul style="list-style-type: none"> - barricading of area; - isolation of transfer pit to incoming wastewater; - impacted soil was treated with a diluted chlorine solution; and - scheduled vacuum pumping of the transfer pit twice a day until repairs and long-term solutions can be implemented. <p>As this was the second overflow within the month from this point, the following long-term solutions have been or are in the process of being implemented to minimise the likelihood of this occurring again:</p> <ul style="list-style-type: none"> - engineering design of the tanks to be reconfigured to re-route the current flow-in pipe to the larger transfer tank; - building an earthen bund around the tanks to contain any future spills to a smaller area; - installing smart high-volume alarms to provide more warning that pump out is required; and - installing signage with the appropriate people to notify if alarm is observed. 			
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: 26/02/2020	

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:	1.3.9	Date(s) of non-compliance:	23/07/2019
Details of non-compliance:			
Water was observed emanating from the wall of the process water pond. An approximate volume of 1,000 L of process water was estimated to have seeped through the earthen wall and expressed on the surface of the outside wall.			
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 significant environment impact was observed or expected as a result of this licence breach. All seepage was contained with the closed surface water system of the processing plant.			
Cause (or suspected cause) of non-compliance:			
A small tear was found in the HDPE liner of the process pond.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
<p>The following actions were taken</p> <ul style="list-style-type: none"> - process water inflow isolated; - run-off contained within sump; - process water sampled; - pump remaining water from process pond through processing plant to allow the HDPE to be repaired; and - ensure suitable substrate beneath HDPE liner. <p>The potentially contaminated soil could not be recovered due to the risk of the integrity of the pond wall being compromised.</p>			
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: 24/07/2019	

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:	30/06/2020
Details of non-compliance:			
The annual stack emissions testing of Gas Turbine 2 (sample point – A2) was not carried out during the reporting period, as specified in Table 3.2.1.			
What was the actual (or suspected) environmental impact of the non-compliance? NOTE – please attach maps or diagrams to provide insight into the precise location of where the non-compliance took place.			
No significant environment impact observed or expected. Emissions testing of the remaining two sample points was conducted and compliant with licence limits.			
Cause (or suspected cause) of non-compliance:			
Gas Turbine 2 was taken offline due to issues identified with the turbine blade and cracking with the swirler cups in June 2020, and was still offline when the annual stack testing was undertaken on the 14 June 2020.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
A replacement turbine was installed on 25 July 2020, with recommissioning completed on 3 August 2020. Following recommissioning, emission stack testing was conducted on sample point A2, with the results compliant with the limits specified in Table 2.2.2 of L6079/1988/13.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date:	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.4.1	Date(s) of non-compliance:	August 2019
Details of non-compliance:			
The volumetric flowmeter at the Administration WWTP sample point (L1) was not in operation during August and September 2019.			
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 significant environment impact observed or expected. Treated effluent was discharged to approved spray field.			
Cause (or suspected cause) of non-compliance:			
Faulty flowmeter was not replaced immediately following identification of the fault.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Flowmeters are read monthly and readings entered into the data management system (EQuIS). A monthly monitoring report is then prepared by the NML Environment Dept. for circulation, any areas of non-compliance, such as this, will be identified and actions put in place to rectify.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date: /	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.5.1	Date(s) of non-compliance:	10/07/19, 18/07/19, 24/07/19, 14/08/19, 17/09/19, 10/10/19, 13/11/19, 21/11/19, 5/12/19, 19/12/19, 11/03/20 and 23/03/20
Details of non-compliance:			
Sampling of the tailings monitoring point (P1) was not undertaken weekly as required. On 12 occasions, sample collection was scheduled, however, a sample was unable to be collected due to no flow in the tailings line at the time of sample collection.			
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 significant environment impact observed or expected.			
Cause (or suspected cause) of non-compliance:			
Due to operational circumstances the tailing line is not always in use, this includes when the Processing Plant is undergoing scheduled maintenance, or no processing is being undertaken.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Sampling events are now conducted in consultation with the Mill, to ensure the tailing line is operational during sample collection. There will still be times, such as during shutdowns, where a weekly sample collection may not be achievable. However, all efforts to time the collection of samples will be undertaken.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date:	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.5.1	Date(s) of non-compliance:	18/07/19, 24/07/19, 11/09/19, 17/09/19, 24/09/19, 10/10/19, 24/10/19, 30/10/19, 7/11/19, 13/11/19, 21/11/19, 27/11/19, 5/12/19, 11/12/19, 23/12/19, 2/01/20, 8/01/20, 6/02/20, 17/03/20 & 2/04/20.
Details of non-compliance:			
Sampling of the tailings decant water storage monitoring point (P2) was not undertaken weekly as required. On 20 occasions throughout the reporting period, sample collection was scheduled, however, a sample was unable to be collected due to no flow in the line at the time of sample collection.			
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 significant environment impact observed or expected, no discharge to the environment occurred.			
Cause (or suspected cause) of non-compliance:			
Due to operational circumstances the decant return is not always in use, this includes when the Processing Plant is undergoing scheduled maintenance, no processing is being undertaken or there is surplus of water available for the plant.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Sampling events are now conducted in consultation with the Mill, to ensure the line is operational during sample collection. There will still be times, such as during shutdowns, where a weekly sample collection may not be achievable. However, all efforts to time the collection of samples will be undertaken.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date:	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.6.1	Date(s) of non-compliance:	02/11/19
Details of non-compliance:			
Monthly SWL monitoring of Tailings Storage Facility 7 (TSF7) groundwater monitoring well HB269 was not undertaken for November 2019			
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 significant environment impact observed or expected, as shown in Figure 1 of Appendix 5, the SWLs of HB269 ranged between 249.02 mAHD and 249.49 mAHD during the reporting period.			
Cause (or suspected cause) of non-compliance:			
Newcrest introduced a new data management software package, EQUiS, during the reporting period. The software package has the function of scheduling the sampling events, it is believed that the sampling information was incorrectly uploaded in the system, which resulted in the sample point HB269 not being scheduled for monitoring in November 2019.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
An audit of the system has been undertaken to identify any gaps where the schedule planner and our compliance documents do not align.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date:	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.6.1	Date(s) of non-compliance:	02/08/19 and 1/02/20
Details of non-compliance:			
Biannual monitoring of Dump Leach 5 groundwater monitoring well HB422 was unable to be completed during the reporting period.			
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 significant environment impact observed or expected, three other groundwater monitoring wells are installed in the vicinity of Dump Leach 5 to assess ambient groundwater conditions.			
Cause (or suspected cause) of non-compliance:			
Insufficient water within groundwater monitoring well to allow a sample to be collected.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
No further action taken. Three other GW monitoring wells are located in the vicinity to Dump Leach 5 and provide a sufficient indication of groundwater conditions.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date:	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.6.1	Date(s) of non-compliance:	1/02/20
Details of non-compliance:			
Monitoring of Dump Leach 5 groundwater monitoring well HB423 was unable to be completed during the February 2020 sampling event.			
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 significant environment impact observed or expected, previous results and the results from the two other groundwater monitoring wells installed in the vicinity of Dump Leach 5 demonstrate generally consistent groundwater conditions			
Cause (or suspected cause) of non-compliance:			
Due to large seasonal rain event, groundwater monitoring well HB423 could not be safely accessed.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Rescheduling of missed sampling events to ensure that biannual, annual and biennial monitoring events are completed as required.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date:	


Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.1.3	Date(s) of non-compliance:	FY 2020
Details of non-compliance:			
Flow meters that are used to measure the volume of effluent input into the Administration WWTP, as well as discharge to Lake 11 were not calibrated in accordance to the manufacturer's specifications during the reporting period.			
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 significant environment impacts observed or expected as a result of this non-compliance.			
Cause (or suspected cause) of non-compliance:			
There has been no active calibration program of abstraction flowmeters at Telfer. If flowmeters are found to have faults they are replaced, however, no formal calibrations are undertaken to ensure accuracy of the equipment.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
As part of the water accounting measures that will be implemented across Telfer, a review of the calibration requirements of each flowmeter will be determined. From this, a calibration schedule is likely to be developed that will ensure that it can be demonstrated that the flowmeters are operating to the desired accuracy.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date:	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	3.1.4	Date(s) of non-compliance:	FY 2020
Details of non-compliance:			
The CEO (DWER) was not notified that the calibration requirement of Condition 3.1.3 could not be practicably met.			
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 significant environment impacts observed or expected as a result of this non-compliance.			
Cause (or suspected cause) of non-compliance:			
There has been no active calibration program of flowmeters used to measure the volume of effluent input into the Administration WWTP, as well as discharge to Lake 11 at Telfer, however, this has not previously been communicated to the CEO (DWER).			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
No action taken. Following the review of flowmeter calibration requirements. The capacity to meet this will be assessed and if it is found to be unachievable, an appropriate solution will be determined and communicated to the CEO (DWER) for discussion.			
Was this non-compliance previously reported to DWER?			
<input type="checkbox"/> Yes, and			
<input type="checkbox"/> Reported to DWER verbally		Date: / /	
<input type="checkbox"/> Reported to DWER in writing		Date:	

Section F – Declaration

I / We declare that the information in this Annual Audit Compliance Report is true and correct and is not false or misleading in a material particular¹.

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

Signature ² :		Signature:	
Name: (printed)		Name: (printed)	
Position:		Position:	
Date:	18/10/2020	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.