



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:	L5271/1983/14
Licence file number:	DEC643/3
Licence holder name:	Alcoa of Australia Limited
Trading as:	Not applicable
ACN:	004 879 298
Registered business address:	Premises: Pinjarra Alumina Refinery, South West Hwy Pinjarra WA 6208 Registered business address: Corner Davy and Marmion Streets, Booragoon WA 6154
Reporting period:	01 / 01 / 2022 to 31 / 12 / 2022

Section B – Statement of compliance with licence conditions
Did you comply with all of your licence conditions during the reporting period? (please tick the appropriate box)
<input 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 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
Category 46: Bauxite refining	
Category 52: Electric power generation	780,153 MWh Alcoa Pinjarra Powerhouse 1,508,869 MWh Alinta Pinjarra Cogeneration
Category 64: Class II and III putrescible landfill site	3,076 tonnes
Category 67: Fuel burning	87,129 Nm ³ /h Pinjarra Facility, including Alinta Pinjarra Cogeneration

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
Category 46: Bauxite refining	9,225,891 dmt tailings

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:	A15(a)	Date(s) of non-compliance:	2022 calendar year for retention of calibration records required by Condition A15 (a) (from 1 January 2022 to 31 December 2022).
Details of non-compliance:			
Paper records for calibration of the Dust Concentration Monitors (DCM) used for continuous monitoring of particulate emissions from Calciner numbers 1, 2, 3, 4, 6 & 7 could not be located. Administrative record keeping requirements are set out in Appendix A of the Continuous Emission Monitoring System (CEMS) code.			
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 known or suspected environmental impact resulted from the non-compliance as maintenance and calibration of the DCMs is managed in accordance with manufacturer’s directions and through Alcoa’s system based maintenance management scheduling program.			
Cause (or suspected cause) of non-compliance:			
Lack of a defined administrative process to manage hard copy DCM calibration records. No electronic platform available to hold data records.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Alcoa’s investigation process determined the cause of this event and has/ is undertaking actions to prevent recurrence. This includes thorough site auditing of the calibration and correlation process (and implementation of resultant action plan), updating procedural control to include electronic system-based record keeping and inclusion in the calibration internal training package.			
Was this non-compliance previously reported to DWER?			
Yes			
<input checked="" type="checkbox"/> Reported to DWER verbally		Date: 9 / 12 / 2022	
<input checked="" type="checkbox"/> Reported to DWER in writing		Date: 9 / 12 / 2022	

Section E – Details of non-compliance with licence condition			
Please use a separate page for each condition with which the licence holder was non-compliant at a time during the reporting period.			
Condition no:	R1	Date(s) of non-compliance:	12/03/2022
Details of non-compliance:			
A filter press failure within the residue filtration facility resulted in approximately 2kL of slurry material being released from the press under pressure, of which all but approximately 10L was captured in designated sealed bunding. The 10L was released to unsealed ground immediately adjacent to the filtration facility within the refinery premises.			
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 known or suspected environmental impact resulting from the non-compliance due to the immediate recovery of slurry released to unsealed ground.			
Cause (or suspected cause) of non-compliance:			
Improper seal of the filter plates likely due to a small restriction or blockage between the filter plates that resolved itself during the next filter cycle.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
Immediate recovery of the released material and collection/disposal of impacted ground material. Options for improving bunding, containment and sealing within and surrounding the filtration facility is undergoing review.			
Was this non-compliance previously reported to DWER?			
No			
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:	W4(c)	Date(s) of non-compliance:	14/02/2022
Details of non-compliance:			
Minor failures in primary containment allowed sulphuric acid to enter the bund of the temporary acid facility where it escaped through an undetected tear in the acid resistant liner. Due to the nature of the failure, neither the failure nor the released material could be rectified or cleaned up immediately.			
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.			
Minor environmental impact with small quantities of acid expected to have penetrated through hardstand to ground. The area of potential contamination is to be investigated and remediated during facility decommissioning expected to occur in 2023.			
Cause (or suspected cause) of non-compliance:			
Flange failure caused by an incorrect gasket, and tear in the HDPE acid resistant bund liner likely caused during maintenance activities conducted within the bund.			
Action taken to mitigate any adverse effects of non-compliance and prevent recurrence of the non-compliance:			
The facility was dismantled enabling some contaminated material to be removed. The facility was reviewed and learnings from root causes identified were incorporated into the reconstructed facility. This included improved sump design and increased mechanical protection for the acid resistant liner.			
Was this non-compliance previously reported to DWER?			
No			
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 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:	VP Operations - Australia	Position:	Australia Controller
Date:	23/03/2023	Date:	23/03/2023
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.