

**LEGISLATIVE COUNCIL**  
**Question On Notice**

**Thursday, 30 March 2023**

**1372. Hon Dr Brad Pettitt to the Parliamentary Secretary representing the Minister for Environment**

- (1) What monitoring of the airborne, soil and water pollutants and emissions is being undertaken by the State Government at the following mine sites and refineries:
- (a) Greenbushes lithium mine site;
  - (b) Wagerup alumina refinery;
  - (c) Kwinana alumina refinery;
  - (d) Pinjarra alumina refinery;
  - (e) Huntly mine site;
  - (f) Willowdale mine site;
  - (g) Worsley alumina refinery;
  - (h) Boddington bauxite mine site; and
  - (i) Boddington gold mine site?
- (2) For each of the sites listed in (1), please provide the following details:
- (a) which agency/agencies is/are conducting the monitoring;
  - (b) when did the monitoring commence;
  - (c) what pollutants and emissions are being recorded;
  - (d) which agency/agencies is/are compiling results from monitoring;
  - (e) are these results publicly available;
  - (f) do any of the pollutants being recorded have the potential to impact human health;
  - (g) which government agency/agencies is/are assessing and responding to potential health impacts and what are they doing to ensure public safety; and
  - (h) what breaches of compliance with permit conditions regarding pollutants and emissions have been recorded (please provide all details that are available)?

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**Answer**

- (1) (a – i) All emissions monitoring on these premises is the responsibility of the company under conditions of their respective approvals. The Department of Water and Environmental Regulation audits compliance with the emissions monitoring conditions and assesses the environmental risks associated with emissions from the premises.
- (2) (a) – (f) NA
- (g) Where potential public health issues are identified at a prescribed premises the Department of Water and Environmental Regulation seeks input and works with the Department of Health to address the issues. Where relevant, the Department of Water and Environmental Regulation also engages with WorkSafe where public health or safety issues are identified within a workplace.

(h) I table a summary of breaches recorded by the Department of Water and Environmental Regulation in its Incidents Complaints Management System (ICMS) for breaches recorded from 2010 to 1 April 2023.

A handwritten signature in black ink, consisting of a large, stylized 'A' followed by a cursive 'u'.

TABLE 1: Summary of Non-Compliances by Category					
Site	Non-Compliance Type				
	Licence	Emission (e.g. exceedance emission target/limit)	Operational (e.g. non-compliance with an operational or procedural requirements)	Administration (e.g. non-compliance with a reporting or submission requirement)	Total
Talison Lithium Mine	L4247/1991/13	20	21	19	60
Wagerup Alumina Refinery	L6217/1983/15	0	2	0	2
Kwinana Alumina Refinery	L5245/1967/14	2	2	0	4
Boddington Bauxite Mine	L5960/1983/11	4	0	0	4
Huntly Mine Site	L6210/1991/10	5	1	0	6
Willowdale Mine - Waroona	L6465/1989/10	2	2	1	5
Pinjarra Alumina Refinery	L5271/1983/14	0	1	0	1
Newmont Boddington Gold Pty Ltd	L8306/2008/2	4	3	2	9
Worsley Alumina Refinery	L4504/1981/16	5	2	3	10

TABLE 2: Breach by Emission Type						
Site	Emission Type					
	Air – Particulate (Dust)	Noise	Surface Water	Solid Waste	Liquid Waste	Total
Talison Lithium Mine	3	1	3	1	12	20
Wagerup Alumina Refinery	0	0	0	0	0	0
Kwinana Alumina Refinery	2	0	0	0	0	2
Boddington Bauxite Mine	0	0	0	2	2	4
Huntly Mine Site	0	0	0	0	5	5
Willowdale Mine - Waroona	0	0	0	0	2	2
Pinjarra Alumina Refinery	0	0	0	0	0	0
Newmont Boddington Gold Pty Ltd	2	0	1	0	1	4
Worsley Alumina Refinery	4	0	0	1	0	5

TABLE 3: Operational Non-Compliance Type					
Site	Operational Non-Compliance				
	Infrastructure not present	Infrastructure inadequate	Procedure	Limit exceedance (non-emission)	Total
Talison Lithium Mine	7	3	8	3	21
Wagerup Alumina Refinery	0	0	2	0	2
Kwinana Alumina Refinery	1	1	0	0	2
Boddington Bauxite Mine	0	0	0	0	0
Huntly Mine Site	0	1	0	0	1
Willowdale Mine - Waroona	0	0	1	1	2
Pinjarra Alumina Refinery	0	0	1	0	1
Newmont Boddington Gold Pty Ltd	0	0	3	0	3
Worsley Alumina Refinery	1	1	0	0	2

TABLE 4: Administration Non-Compliance Type					
Site	Administration Non-Compliance				
	Late Submission	Inadequate Submission	Documents Not Submitted	Incorrect information submitted	Total
Talison Lithium Mine	0	7	10	2	19
Wagerup Alumina Refinery	0	0	0	0	0
Kwinana Alumina Refinery	0	0	0	0	0
Boddington Bauxite Mine	0	0	0	0	0
Huntly Mine Site	0	0	0	0	0
Willowdale Mine - Waroona	1	0	0	0	1
Pinjarra Alumina Refinery	0	0	0	0	0
Newmont Boddington Gold Pty Ltd	2	0	0	0	2
Worsley Alumina Refinery	1	2	0	0	3