Pollution Monitoring Data - Holcim Cooma Road Quarry (EPL Number 1453)

Facility Address	Cooma Road, Queanbeyan, NSW, 2620
Licence Details	Link to EPL on Public Register
Date Dataset Updated	Wednesday, November 27, 2024
Date Dataset Uploaded	15 January 2025
Reporting Period	May to April (Annually)

2025 Air Quality Monitoring - Deposition Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Average (YTD)	Month	January	February	March	April	May	June	July	August	September	October	November	December
								Sample Date												
								Report Date												
DD1	Monthly & Annual Average	Consent Schedule 3 Condition 14	-	4	mg/m2/month	Insoluble Solids	#DIV/0!	Result												
DD2			-	4	mg/m2/month	Insoluble Solids	#DIV/0!	Result												
DD3			-	4	mg/m2/month	Insoluble Solids	#DIV/0!	Result												
DD4			-	4	mg/m2/month	Insoluble Solids	#DIV/0!	Result												
DD5			-	4	mg/m2/month	Insoluble Solids	#DIV/0!	Result												

Air Quality Monitoring - Deposition Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Average (YTD)	Month	January	February	March	April	May	June	July	August	September	October	November	December
								Sample Date	5 Jan 2023	6 Feb 2023	8 Mar 2023	5 Apr 2023	3 May 2023	5 Jun 2023	5 Jul 2023	6 Jul 2023	4 Sep 2023	4 Oct 2023	6 Nov 2023	6 Dec 2023
								Report Date	17 Jan 2023	20 Feb 2023	17 Mar 2023	18 Apr 2023	16 May 2023	23 Jun 2023	27 Jul 2023	16 Aug 2023	15 Sep 2023	23 Oct 2023	24 Nov 2023	17 Dec 2023
DD1	Monthly & Annual Average	Consent Schedule 3 Condition 14	-	4	mg/m2/month	Insoluble Solids	1.75	Result	1.1	1.1	2.8	3.5	1.9	2.4	0.1	0.1	2.3	1.0	2.7	2.0
									Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
DD2			-	4	mg/m2/month	Insoluble Solids	1.02	Result	0.8	0.8	0.4	0.2	0.9	2.1	0.1	0.1	2.9	1.5	1.0	1.4
									Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
DD3			-	4	mg/m2/month	Insoluble Solids	1.07	Result	0.8	0.5	0.5	0.9	2.8	2.7	0.1	0.1	1.6	0.3	0.9	1.6
									Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
DD4			-	4	mg/m2/month	Insoluble Solids	1.84	Result	0.6	0.4	0.3	11.0	1.7	0.1	0.2	0.2	3.4	0.6	2.1	1.5
									Within Criteria	Within Criteria	Within Criteria	Outside Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
DD5			-	4	mg/m2/month	Insoluble Solids	0.58	Result	0.5	0.3	2.4	0.3	0.2	0.3	0.1	0.1	0.4	0.4	1.2	0.8
									Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

2025 Total Suspended Particles (TSP)

Average (YTD) µg/m3

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome
						Result

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome
						Result

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome
						Result

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome
						Result

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date

HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome									
						Result									

Comments regarding blast monitoring outcomes	
Comment 1:	
Comment 2:	
Comment 3:	

2024 Total Suspended Particles (TSP)

Average (YTD) µg/m3

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date	05/01/2024	11/01/2024	17/01/2024	23/01/2024	29/01/2024	04/02/2024	10/02/2024	16/02/2024	22/02/2024	28/02/2024	05/03/2024	11/03/2024	17/03/2024	23/03/2024
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome	10	17.1	13.7	19.2	33.8	41.2	14.6	27.7	17.7	28.1	25.2	20.6	5.4	12.1
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date	29/03/2024	04/04/2024	10/04/2024	16/04/2024	22/04/2024	28/04/2024	04/05/2024	10/05/2024	16/05/2024	22/05/2024	28/05/2024	03/06/2024	09/06/2024	15/06/2024
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome	24.6	5.7	5.8	16.9	16	12.3	2.3	2.5	10.9	5.8	1.5	3.7	9.4	4.6
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date	21/06/2024	27/06/2024	03/07/2024	09/07/2024	15/07/2024	21/07/2024	27/07/2024	02/08/2024	08/08/2024	14/08/2024	20/08/2024	26/08/2024	01/09/2024	07/09/2024
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome	6.1	11.2	2.9	7.8	7.4	7.8	8.9	12.4	16.7	10.9	13.5	9.1	18.6	14.6
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date	13/09/2024	19/09/2024	25/09/2024	01/10/2024	07/10/2024	13/10/2024	19/10/2024	25/10/2024	31/10/2024	06/11/2024	12/11/2024	18/11/2024	24/11/2024	30/11/2024
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome	14.3	27.3	24	95.4	32	27.7	12.9	27.7	45.3	-	-	-	-	-
						Result	Within Criteria	Within Criteria	Within Criteria	Outside Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Outside Criteria	Outside Criteria	Outside Criteria	Outside Criteria	Outside Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date	06/12/2024	12/12/2024	18/12/2024	24/12/2024	30/12/2024				
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome	37	41.5	41.9	31.8	47.9				
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria				

Comments regarding blast monitoring outcomes	
Comment 1:	
Comment 2:	
Comment 3:	

2023 Total Suspended Particles (TSP)

Average (YTD) 25.09 µg/m3

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date	4 Jan 2023	10 Jan 2023	16 Jan 2023	22 Jan 2023	28 Jan 2023	3 Feb 2023	9 Feb 2023	15 Feb 2023	21 Feb 2023	27 Feb 2023	5 Mar 2023	11 Mar 2023	17 Mar 2023	23 Mar 2023
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome	17.4	29.8	23.2	15.8	39.8	33	18.6	33.2	36.3	41.8	37.2	46.4	44.1	19.2
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date	29 Mar 2023	4 Apr 2023	10 Apr 2023	16 Apr 2023	22 Apr 2023	28 Apr 2023	4 May 2023	10 May 2023	16 May 2023	22 May 2023	28 May 2023	3 Jun 2023	9 Jun 2023	15 Jun 2023
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome	18	24.7	15.1	18	31	39.6	27.7	23.7	47.9	43.3	8.5	22.4	14.3	12.3
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date	21 Jun 2023	27 Jun 2023	3 Jul 2023	9 Jul 2023	15 Jul 2023	21 Jul 2023	27 Jul 2023	2 Aug 2023	8 Aug 2023	14 Aug 2023	20 Aug 2023	26 Aug 2023	1 Sep 2023	7 Sep 2023
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome	18.3	14.4	20.1	9.2	19.8	16.7	34.3	26.6	34.4	4.9	7.1	14.9	13.7	26.1
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date	13 Sep 2023	19 Sep 2023	25 Sep 2023	1 Oct 2023	7 Oct 2023	13 Oct 2023	19 Oct 2023	25 Oct 2023	31 Oct 2023	6 Nov 2023	12 Nov 2023	18 Nov 2023	24 Nov 2023	30 Nov 2023
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome	21.7	59.6	30.7	-	13.5	12.8	18.9	40.7	26	22.9	31	28	13.2	12.4
						Result	Within Criteria	Within Criteria	Within Criteria	-	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date	6 Dec 2023	12 Dec 2023	18 Dec 2023	24 Dec 2023	30 Dec 2023
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	90	µg/m3	Outcome	37	13.5	42.6	10.4	27.8
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Comments regarding blast monitoring outcomes	
Comment 1:	Filter for 1/10/2023 detached from apparatus and was lost - No outcomes available

2025 - Particulate Matter (PM10)

Average (YTD) µg/m3

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date														
						Report Date														
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome														
						Result														

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date														
						Report Date														
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome														
						Result														

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date														
						Report Date														
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome														
						Result														

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date														
						Report Date														
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome														
						Result														

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date									
						Report Date									
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome									
						Result									

Comments regarding blast monitoring outcomes	
Comment 1:	Filter for 1/10/2023 detached from apparatus and was lost - No outcomes available

2024 - Particulate Matter (PM10)

Average (YTD) µg/m3

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Sample Date	5 Jan 2024	11 Jan 2024	17 Jan 2024	23 Jan 2024	29 Jan 2024	4 Feb 2024	10 Feb 2024	16 Feb 2024	22 Feb 2024	28 Feb 2024	5 Mar 2024	11 Mar 2024	17 Mar 2024	23 Mar 2024
						Report Date	15 Feb 2024	15 Feb 2024	15 Feb 2024	15 Feb 2024	15 Feb 2024	15 Feb 2024	20 Mar 2024	18 Apr 2024	20 Mar 2024	20 Mar 2024	18 Apr 2024	18 Apr 2024	18 Apr 2024	18 Apr 2024

HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome	4	6.8	5.5	7.7	13.5	16.5	5.8	11.1	7.1	11.2	10.1	8.2	2.2	4.9
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit														
						Sample Date	29 Mar 2024	4 Apr 2024	10 Apr 2024	16 Apr 2024	22 Apr 2024	28 Apr 2024	4 May 2024	10 May 2024	16 May 2024	22 May 2024	28 May 2024	3 Jun 2024	9 Jun 2024	15 Jun 2024
						Report Date	18 Apr 2024	16 May 2024	16 May 2024	16 May 2024	16 May 2024	16 May 2024	28 Jun 2024	28 Jun 2024	28 Jun 2024	28 Jun 2024	28 Jun 2024	28 Jun 2024	16 Jul 2024	16 Jul 2024
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome	8 Jan 1900	1 Jan 1900	1 Jan 1900	5 Jan 1900	5 Jan 1900	3 Jan 1900	30 Dec 1899	31 Dec 1899	3 Jan 1900	1 Jan 1900	5 Jan 1900	31 Dec 1899	2 Jan 1900	31 Dec 1899
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit														
						Sample Date	21 Jun 2024	27 Jun 2024	3 Jul 2024	9 Jul 2024	15 Jul 2024	21 Jul 2024	27 Jul 2024	2 Aug 2024	8 Aug 2024	14 Aug 2024	20 Aug 2024	26 Aug 2024	1 Sep 2024	7 Sep 2024
						Report Date	16 Jul 2024	16 Jul 2024	21 Aug 2024	21 Aug 2024	21 Aug 2024	21 Aug 2024	21 Aug 2024	21 Aug 2024	12 Sep 2024	12 Sep 2024	12 Sep 2024	12 Sep 2024	12 Sep 2024	14 Oct 2024
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome	1 Jan 1900	3 Jan 1900	6 Jan 1900	2 Jan 1900	1 Jan 1900	2 Jan 1900	2 Jan 1900	4 Jan 1900	5 Jan 1900	3 Jan 1900	4 Jan 1900	2 Jan 1900	6 Jan 1900	4 Jan 1900
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit														
						Sample Date	13 Sep 2024	19 Sep 2024	25 Sep 2024	1 Oct 2024	7 Oct 2024	13 Oct 2024	19 Oct 2024	25 Oct 2024	31 Oct 2024	6 Nov 2024	12 Nov 2024	18 Nov 2024	24 Nov 2024	30 Nov 2024
						Report Date	14 Oct 2024	14 Oct 2024	14 Oct 2024	14 Oct 2024	18 Nov 2024	18 Nov 2024	18 Nov 2024	18 Nov 2024	18 Nov 2024	n/a	n/a	n/a	n/a	n/a
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome	4 Jan 1900	9 Jan 1900	8 Jan 1900	6 Feb 1900	11 Jan 1900	10 Jan 1900	4 Jan 1900	10 Jan 1900	17 Jan 1900	-	-	-	-	-
						Result	Within Criteria	Within Criteria	Within Criteria	Outside Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Outside Criteria	Outside Criteria	Outside Criteria	Outside Criteria	Outside Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit										
						Sample Date	6 Dec 2024	12 Dec 2024	18 Dec 2024	24 Dec 2024	30 Dec 2024				
						Report Date	n/a	n/a	n/a	n/a	n/a				
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome	13 Jan 1900	15 Jan 1900	15 Jan 1900	11 Jan 1900	18 Jan 1900				
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria				

Comments regarding blast monitoring outcomes	
Comment 1:	Filter for 1/10/2023 detached from apparatus and was lost - No outcomes available

2023 - Particulate Matter (PM10)

Average (YTD) 10.04 µg/m3

Location	Frequency	Source	Lower Limit	Upper Limit	Unit													
						Sample Date	4 Jan 2023	10 Jan 2023	16 Jan 2023	22 Jan 2023	28 Jan 2023	3 Feb 2023	9 Feb 2023	15 Feb 2023	21 Feb 2023	27 Feb 2023	5 Mar 2023	11 Mar 2023	17 Mar 2023	23 Mar 2023
						Report Date	20 Feb 2023	20 Feb 2023	20 Feb 2023	20 Feb 2023	20 Feb 2023	20 Feb 2023	17 Mar 2023	17 Mar 2023	17 Mar 2023	17 Mar 2023	17 Mar 2023	18 Apr 2023	18 Apr 2023	18 Apr 2023
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome	6.9	11.9	9.3	6.3	15.9	13.2	7.4	13.3	14.5	16.7	14.9	18.6	17.6	7.7
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit													
						Sample Date	29 Mar 2023	4 Apr 2023	10 Apr 2023	16 Apr 2023	22 Apr 2023	28 Apr 2023	4 May 2023	10 May 2023	16 May 2023	22 May 2023	28 May 2023	3 Jun 2023	9 Jun 2023	15 Jun 2023
						Report Date	18 Apr 2023	18 Apr 2023	16 May 2023	16 May 2023	16 May 2023	16 May 2023	23 Jun 2023	23 Jun 2023	23 Jun 2023	23 Jun 2023	23 Jun 2023	23 Jun 2023	27 Jul 2023	27 Jul 2023
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome	7.2	9.9	6	7.2	12.4	15.9	11.1	9.5	19.2	17.3	3.4	9	5.7	4.9
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit													
						Sample Date	21 Jun 2023	27 Jun 2023	3 Jul 2023	9 Jul 2023	15 Jul 2023	21 Jul 2023	27 Jul 2023	2 Aug 2023	8 Aug 2023	14 Aug 2023	20 Aug 2023	26 Aug 2023	1 Sep 2023	7 Sep 2023
						Report Date	27 Jul 2023	27 Jul 2023	27 Jul 2023	16 Aug 2023	16 Aug 2023	16 Aug 2023	16 Aug 2023	16 Aug 2023	15 Sep 2023	15 Sep 2023	15 Sep 2023	15 Sep 2023	15 Sep 2023	23 Oct 2023
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome	7.3	5.8	8.1	3.7	7.9	6.7	13.7	10.6	13.8	2	2.8	6	5.5	10.4
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit													
						Sample Date	13 Sep 2023	19 Sep 2023	25 Sep 2023	1 Oct 2023	7 Oct 2023	13 Oct 2023	19 Oct 2023	25 Oct 2023	31 Oct 2023	6 Nov 2023	12 Nov 2023	18 Nov 2023	24 Nov 2023	30 Nov 2023
						Report Date	23 Oct 2023	23 Oct 2023	23 Oct 2023	-	24 Nov 2023	24 Nov 2023	24 Nov 2023	24 Nov 2023	24 Nov 2023	17 Dec 2023	17 Dec 2023	17 Dec 2023	17 Dec 2023	17 Dec 2023
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome	8.7	23.8	12.3	-	5.4	5.1	7.6	16.3	10.4	9.2	12.4	11.2	5.3	5
						Result	Within Criteria	Within Criteria	Within Criteria	-	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit						
						Sample Date	6 Dec 2023	12 Dec 2023	18 Dec 2023	24 Dec 2023	30 Dec 2023
						Report Date	17 Dec 2023	18 Jan 2024	18 Jan 2024	18 Jan 2024	18 Jan 2024
HVAS Unit	Annual Average (Updated Monthly)	Consent Schedule 3 Condition 14	-	30	µg/m3	Outcome	14.8	5.4	17	4.2	11.1
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Comments regarding blast monitoring outcomes	
Comment 1:	Filter for 1/10/2023 detached from apparatus and was lost - No outcomes available

2025 - Noise Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Quarter	Q1	Q2	Q3	Q4
							Sample Date (From)				
							Sample Date (To)				
							Report Date				
N3 15 Copperfield Place, Lot 2, DP808393 Jerrabomberra	Quarterly	Consent Schedule 3 Condition 7(c)	-	35	dB	Morning LAeq(15min)	Outcome				
							Contribtution				
							Result				
			-	35	dB	Day LAeq(15min)	Outcome				
							Contribtution				
							Result				
			-	35	dB	Evening LAeq(15min)	Outcome				
							Contribtution				
							Result				
N8 North East of Quarry along Tempe Cresent	Quarterly	Consent Schedule 3 Condition 7(c)	-	40	dB	Morning LAeq(15min)	Outcome				
							Contribtution				
							Result				
			-	44	dB	Day LAeq(15min)	Outcome				
							Contribtution				
							Result				
			-	39	dB	Evening LAeq(15min)	Outcome				
							Contribtution				
							Result				
N38 Heights Road	Quarterly	Consent Schedule 3 Condition 7(c)	-	36	dB	Morning LAeq(15min)	Outcome				
							Contribtution				
							Result				
			-	38	dB	Day LAeq(15min)	Outcome				
							Contribtution				
							Result				
			-	35	dB	Evening LAeq(15min)	Outcome				
							Contribtution				

							Result				
N60 **501 Old Cooma Road**	Quarterly	Consent Schedule 3 Condition 7(c)	-	36	dB	Morning LAeq(15min)	Outcome				
							Contribtution				
							Result				
			-	38	dB	Day LAeq(15min)	Outcome				
							Contribtution				
							Result				
			-	35	dB	Evening LAeq(15min)	Outcome				
							Contribtution				
							Result				
N67 **732 Old Cooma Road**	Quarterly	Consent Schedule 3 Condition 7(c)	-	36	dB	Morning LAeq(15min)	Outcome				
							Contribtution				
							Result				
			-	41	dB	Day LAeq(15min)	Outcome				
							Contribtution				
							Result				
			-	35	dB	Evening LAeq(15min)	Outcome				
							Contribtution				
							Result				

Comments regarding blast monitoring outcomes	
Comment 1:	Inaudible = Quarry was either not contributing to noise measurements or the quarry was not operational during monitoring

2024 - Noise Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Quarter	Q1	Q2	Q3	Q4
							Sample Date (From)	4 Mar 2024	2 May 2024	7 Aug 2024	2 Oct 2024
							Sample Date (To)	5 Mar 2024	5 Jun 2024	8 Aug 2024	3 Oct 2024
							Report Date	6 May 2024	12 Jul 2024	25 Oct 2024	31 Jan 2025
N3 **15 Copperfield Place, Lot 2, DP808393 Jerrabomberra**	Quarterly	Consent Schedule 3 Condition 7(c)	-	35	dB	Morning LAeq(15min)	Outcome	50.4	34.5	45.8	41.8
							Contribtution	<33	<17	<31	<19
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	35	dB	Day LAeq(15min)	Outcome	54	39.5	47.1	49
							Contribtution	<40	<25	<32	<23
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	35	dB	Evening LAeq(15min)	Outcome	50.6	43.3	44.3	42.8
							Contribtution	Inaudible	Inaudible	Inaudible	Inaudible
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
N8 **North East of Quarry along Tempe Cresent**	Quarterly	Consent Schedule 3 Condition 7(c)	-	40	dB	Morning LAeq(15min)	Outcome	44.6	58.4	59	59.6
							Contribtution	<24	<34	<41	<47
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	44	dB	Day LAeq(15min)	Outcome	47.9	61.3	62.9	60
							Contribtution	<35	<47	<46	<46
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	39	dB	Evening LAeq(15min)	Outcome	56.6	59.6	59.8	57.4
							Contribtution	Inaudible	Inaudible	Inaudible	Inaudible
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
N38 **Heights Road**	Quarterly	Consent Schedule 3 Condition 7(c)	-	36	dB	Morning LAeq(15min)	Outcome	40.3	56.5	59.3	58.2
							Contribtution	<20	<34	<42	<32
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	38	dB	Day LAeq(15min)	Outcome	53.5	58.3	59.4	57
							Contribtution	<37	<40	<42	<38
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	35	dB	Evening LAeq(15min)	Outcome	53.7	55.1	55	53.4
							Contribtution	Inaudible	Inaudible	Inaudible	Inaudible
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
N60 **501 Old Cooma Road**	Quarterly	Consent Schedule 3 Condition 7(c)	-	36	dB	Morning LAeq(15min)	Outcome	54.1	66.2	54.5	64.8
							Contribtution	<29	<48	<32	<35
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	38	dB	Day LAeq(15min)	Outcome	50.3	67.4	55.4	70.7
							Contribtution	<32	<46	<36	<47
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	35	dB	Evening LAeq(15min)	Outcome	60	61.3	66.5	61.8
							Contribtution	Inaudible	Inaudible	Inaudible	Inaudible
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
N67 **732 Old Cooma Road**	Quarterly	Consent Schedule 3 Condition 7(c)	-	36	dB	Morning LAeq(15min)	Outcome	58.8	72.3	57.5	72.3
							Contribtution	<30	<43	<33	<42
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	41	dB	Day LAeq(15min)	Outcome	58.9	74.3	61.3	78.8
							Contribtution	<36	<51	<41	<51
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	35	dB	Evening LAeq(15min)	Outcome	65.1	64.9	59.8	73.5
							Contribtution	Inaudible	Inaudible	Inaudible	Inaudible
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**

Comments regarding blast monitoring outcomes	
Comment 1:	Inaudible = Quarry was either not contributing to noise measurements or the quarry was not operational during monitoring

2023 - Noise Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Quarter	Q1	Q2	Q3	Q4
							Sample Date (From)	7 Mar 2023	2 May 2023	1 Aug 2023	4 Oct 2023
							Sample Date (To)	8 Mar 2023	3 May 2023	3 Aug 2023	6 Oct 2023
							Report Date	11 May 2023	25 Jul 2023	25 Oct 2023	1 Feb 2024
N3 **15 Copperfield Place, Lot 2, DP808393 Jerrabomberra**	Quarterly	Consent Schedule 3 Condition 7(c)	-	35	dB	Morning LAeq(15min)	Outcome	41.8	43.5	51.2	52.8
							Contribtution	Inaudible	<29	<32	<35
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	35	dB	Day LAeq(15min)	Outcome	52.8	60.5	41.7	51.7
							Contribtution	Inaudible	<35	<26	<32
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	35	dB	Evening LAeq(15min)	Outcome	52.1	38.1	47.3	46.3
							Contribtution	Inaudible	<25	Inaudible	Inaudible
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
N8 **North East of Quarry along Tempe Cresent**	Quarterly	Consent Schedule 3 Condition 7(c)	-	40	dB	Morning LAeq(15min)	Outcome	54.1	60.6	48.4	50.8
							Contribtution	Inaudible	<40	<32	<36
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	44	dB	Day LAeq(15min)	Outcome	59.1	55.4	58.2	56.6
							Contribtution	Inaudible	<40	<35	<37
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	39	dB	Evening LAeq(15min)	Outcome	55.7	53.4	58.4	59.5
							Contribtution	Inaudible	<36	Inaudible	Inaudible
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
N38 **Heights Road**	Quarterly	Consent Schedule 3 Condition 7(c)	-	36	dB	Morning LAeq(15min)	Outcome	52.9	61.5	49.1	53
							Contribtution	Inaudible	<36	<34	<24
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	38	dB	Day LAeq(15min)	Outcome	55.7	55.9	50.5	46.8
							Contribtution	Inaudible	<38	<34	<23
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	35	dB	Evening LAeq(15min)	Outcome	52.6	51	53.9	53.7
							Contribtution	Inaudible	<32	Inaudible	Inaudible
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
N60 **501 Old Cooma Road**	Quarterly	Consent Schedule 3 Condition 7(c)	-	36	dB	Morning LAeq(15min)	Outcome	67.3	60.2	63.6	61.8
							Contribtution	Inaudible	<29	<35	<33
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	38	dB	Day LAeq(15min)	Outcome	66.1	64.1	60.9	63.1
							Contribtution	Inaudible	<38	<32	<32
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	35	dB	Evening LAeq(15min)	Outcome	58.1	60.2	59.7	57.7
							Contribtution	Inaudible	<29	Inaudible	Inaudible
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
N67 **732 Old Cooma Road**	Quarterly	Consent Schedule 3 Condition 7(c)	-	36	dB	Morning LAeq(15min)	Outcome	57.6	61.9	66.2	66.8
							Contribtution	Inaudible	<36	<35	<33
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	41	dB	Day LAeq(15min)	Outcome	53.1	63.6	64	68.7
							Contribtution	Inaudible	<40	<31	<41
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	35	dB	Evening LAeq(15min)	Outcome	59.5	59	61.9	62
							Contribtution	Inaudible	<30	Inaudible	Inaudible
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**

Comments regarding blast monitoring outcomes	
Comment 1:	Inaudible = Quarry was either not contributing to noise measurements or the quarry was not operational during monitoring

2025 - Blast Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Date												
							Time												
Heffernanas House	Per Blast	EPL Clause L4.1	-	115	dB (Lin Peak)	Over Pressure	Outcome												
							Result												
			-	5	mm/s	Ground Vibration	Outcome												
							Result												

Jerrabomberra	Per Blast	Blast Management Plan	-	115	dB (Lin Peak)	Over Pressure	Outcome													
							Result													
			-	5	mm/s	Ground Vibration	Outcome													
							Result													

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Date													
							Time													
Heffernanas House	Per Blast	EPL Clause L4.1	-	115	dB (Lin Peak)	Over Pressure	Outcome													
							Result													
			-	5	mm/s	Ground Vibration	Outcome													
							Result													
Jerrabomberra	Per Blast	Blast Management Plan	-	115	dB (Lin Peak)	Over Pressure	Outcome													
							Result													
			-	5	mm/s	Ground Vibration	Outcome													
							Result													

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Date													
							Time													
Heffernanas House	Per Blast	EPL Clause L4.1	-	115	dB (Lin Peak)	Over Pressure	Outcome													
							Result													
			-	5	mm/s	Ground Vibration	Outcome													
							Result													
Jerrabomberra	Per Blast	Blast Management Plan	-	115	dB (Lin Peak)	Over Pressure	Outcome													
							Result													
			-	5	mm/s	Ground Vibration	Outcome													
							Result													

Over Pressure Monitor Trigger Setting	90	dB
Ground Vibration Monitor Trigger Setting	0.1	mm/s

2024 - Blast Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Date / Time	17 Jan 2024	5 Feb 2024	12 Feb 2024	20 Feb 2024	27 Feb 2024	4 Mar 2024	21 Mar 2024	26 Mar 2024	5 Apr 2024	12 Apr 2024	29 Apr 2024	7 May 2024	16 May 2024
								30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899
Heffernanas House	Per Blast	EPL Clause L4.1	-	115	dB (Lin Peak)	Over Pressure	Outcome	4 Apr 1900	3 Apr 1900	DNT	DNT	6 Apr 1900	DNT	18 Apr 1900	DNT	DNT	DNT	DNT	DNT	DNT
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	5	mm/s	Ground Vibration	Outcome	30 Dec 1899	30 Dec 1899	DNT	DNT	30 Dec 1899	DNT	30 Dec 1899	DNT	DNT	DNT	DNT	DNT	DNT
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
Jerrabomberra	Per Blast	Blast Management Plan	-	115	dB (Lin Peak)	Over Pressure	Outcome	DNT	DNT	DNT	DNT	DNT	DNT	6 Apr 1900	DNT	DNT	DNT	13 Apr 1900	DNT	DNT
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	5	mm/s	Ground Vibration	Outcome	DNT	DNT	DNT	DNT	DNT	DNT	30 Dec 1899	DNT	DNT	DNT	31 Dec 1899	DNT	DNT
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Date / Time	24 May 2024	6 Jun 2024	28 Jun 2024	15 Jul 2024	12 Aug 2024	2 Sep 2024	16 Sep 2024	20 Sep 2024	30 Sep 2024	14 Oct 2024	29 Oct 2024	25 Nov 2024	2 Dec 2024
								30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899
Heffernanas House	Per Blast	EPL Clause L4.1	-	115	dB (Lin Peak)	Over Pressure	Outcome	DNT	DNT	20 Apr 1900	DNT	DNT	11 Apr 1900	DNT	16 Apr 1900	DNT	9 Apr 1900	10 Apr 1900	21 Apr 1900	14 Apr 1900
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	5	mm/s	Ground Vibration	Outcome	DNT	DNT	30 Dec 1899	DNT	DNT	31 Dec 1899	DNT	30 Dec 1899	DNT	30 Dec 1899	30 Dec 1899	30 Dec 1899	30 Dec 1899
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
Jerrabomberra	Per Blast	Blast Management Plan	-	115	dB (Lin Peak)	Over Pressure	Outcome	1 Apr 1900	DNT	9 Apr 1900	DNT	DNT	5 Apr 1900	DNT	16 Mar 1900	22 Mar 1900	DNT	DNT	22 Mar 1900	28 Mar 1900
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**
			-	5	mm/s	Ground Vibration	Outcome	30 Dec 1899	DNT	30 Dec 1899	DNT	DNT	30 Dec 1899	DNT	30 Dec 1899	30 Dec 1899	DNT	DNT	30 Dec 1899	30 Dec 1899
							Result	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**	**Within Criteria**

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Date / Time	5 Dec 2024	13 Dec 2024											
								30 Dec 1899	30 Dec 1899											
Heffernanas House	Per Blast	EPL Clause L4.1	-	115	dB (Lin Peak)	Over Pressure	Outcome	16 Apr 1900	DNT											
							Result	**Within Criteria**	**Within Criteria**											
			-	5	mm/s	Ground Vibration	Outcome	30 Dec 1899	DNT											
							Result	**Within Criteria**	**Within Criteria**											
Jerrabomberra	Per Blast	Blast Management Plan	-	115	dB (Lin Peak)	Over Pressure	Outcome	DNT	DNT											
							Result	**Within Criteria**	**Within Criteria**											
			-	5	mm/s	Ground Vibration	Outcome	DNT	DNT											
							Result	**Within Criteria**	**Within Criteria**											

Over Pressure Monitor Trigger Setting	90	dB
Ground Vibration Monitor Trigger Setting	0.1	mm/s

2023 - Blast Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Date / Time	10 Feb 2023 10:58	14 Feb 2023 12:50	24 Feb 2023 12:30	14 Mar 2023 13:15	21 Mar 2023 13:05	29 Mar 2023 12:10	19 Apr 2023 11:45	18 May 2023 12:27	23 May 2023 13:21	8 Jun 2023 12:18	19 Jun 2023 12:40	22 Jun 2023 14:52	30 Jun 2023 12:51
Heffernanas House	Per Blast	EPL Clause L4.1	-	115	dB (Lin Peak)	Over Pressure	Outcome	106.9	DNT	114.2	105.2	110.0	101.0	96.4	98.5	110.5	DNT	DNT	DNT	DNT
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
			-	5	mm/s	Ground Vibration	Outcome	1.01	DNT	0.55	1.88	0.68	1.78	0.78	1.78	0.64	DNT	DNT	DNT	DNT
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
Jerrabomberra	Per Blast	Blast Management Plan	-	115	dB (Lin Peak)	Over Pressure	Outcome	92.0	DNT	108.0	105.9	109.9	109.9	98.0	98.5	91.1	DNT	DNT	DNT	DNT
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
			-	5	mm/s	Ground Vibration	Outcome	0.71	DNT	1.29	0.88	0.68	0.53	0.60	0.89	0.67	DNT	DNT	DNT	DNT
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Date / Time	7 Jul 2023 12:10	14 Jul 2023 13:16	28 Jul 2023 13:00	31 Jul 2023 12:39	15 Aug 2023 12:12	25 Aug 2023 10:59	4 Sep 2023 11:12	11 Sep 2023 11:32	18 Sep 2023 11:01	25 Sep 2023 11:04	26 Sep 2023 12:38	9 Oct 2023 11:18	30 Oct 2023 05:31
Heffernanas House	Per Blast	EPL Clause L4.1	-	115	dB (Lin Peak)	Over Pressure	Outcome	DNT	93.0	DNT	103.8	DNT	DNT	DNT	DNT	DNT	DNT	DNT	DNT	DNT
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
			-	5	mm/s	Ground Vibration	Outcome	DNT	1.15	DNT	0.95	DNT	DNT	DNT	DNT	DNT	DNT	DNT	DNT	DNT
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
Jerrabomberra	Per Blast	Blast Management Plan	-	115	dB (Lin Peak)	Over Pressure	Outcome	87.0	90.9	94.6	DNT	DNT	96.9	DNT	DNT	DNT	DNT	109.1	DNT	94.9
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
			-	5	mm/s	Ground Vibration	Outcome	0.47	0.31	0.69	DNT	DNT	0.38	DNT	DNT	DNT	DNT	0.32	DNT	0.87
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Date / Time	27 Nov 2023 10:35	15 Dec 2023 10:09	18 Dec 2023 13:05
Heffernanas House	Per Blast	EPL Clause L4.1	-	115	dB (Lin Peak)	Over Pressure	Outcome	DNT	DNT	DNT
							Result	Within Criteria	Within Criteria	Within Criteria
			-	5	mm/s	Ground Vibration	Outcome	DNT	DNT	DNT
							Result	Within Criteria	Within Criteria	Within Criteria
Jerrabomberra	Per Blast	Blast Management Plan	-	115	dB (Lin Peak)	Over Pressure	Outcome	DNT	DNT	DNT
							Result	Within Criteria	Within Criteria	Within Criteria
			-	5	mm/s	Ground Vibration	Outcome	DNT	DNT	DNT
							Result	Within Criteria	Within Criteria	Within Criteria

Over Pressure Monitor Trigger Setting	90	dB
Ground Vibration Monitor Trigger Setting	0.1	mm/s

2025 - Discharge Water Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date / Report Date												
EPA Discharge Point Point 1 SIP Discharge to Barracks Creek	Each Discharge Event	EPL Section L2	6.5	8.5	pH	pH	Outcome												
							Result												
			-	50	mg/L	Suspended Solids	Outcome												
							Result												
			-	10	mg/L	Total Oil & Grease	Outcome												
							Result												

2025 - Barracks Creek Water Quality & Flow Monitoring

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Month / Sample Date / Report Date	January	February	March	April	May	June	July	August	September	October	November	December
Downstream in Barracks Creek	Monthly (Provided creek conditions allows safe access)	Water Management Plan Clause 5.1.2 & 5.1.3	6.5	8.5	pH	pH	Outcome												
							Result												
			-	50	mg/L	Suspended Solids	Outcome												
							Result												
			-	10	mg/L	Total Oil & Grease	Outcome												
							Result												
			125	2200	µS/cm	Electrical Conductivity	Outcome												
							Result												

			-	-	m	Creek Depth (Staff Gauge)	Outcome											
			-	-	kL	Flow Calculation	Outcome											

Comments: Add any comments regarding the surface water monitoring outcomes in the fields below	
Comment 1:	As the site did not discharge water to Barracks Creek in 2023 monitoring at the SIP discharge Point was not triggered
Comment 2:	Creek depth measurement using a manual staff guage to commence in 2024
Comment 3:	Methodology to convert depth measurement into flow volume using flow rating curve to be determined.

2025 - Upslope Catchment Inflow Monitoring

Inflow Volume

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Discharge Volume (YTD)	January	February	March	April	May	June	July	August	September	October	November	December
Entry of Upflow catchment to SBC	Monthly	Water Measurement	-	-	kL	Measured Volume from V-notch Weir												

Comments: Add any comments regarding the surface water monitoring outcomes in the fields below	
Comment 1:	Recording of upslope inflow using a v-notch wier to commence in 2024

2024 - Discharge Water Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date	17 Jan 2024	27 Feb 2024									
							Report Date	2 Feb 2024	8 Mar 2024									
EPA Discharge Point Point 1 SIP Discharge to Barracks Creek	Each Discharge Event	EPL Section L2	6.5	8.5	pH	pH	Outcome	8.58	8.18									
							Result	Outside Criteria	Within Criteria									
			-	50	mg/L	Suspended Solids	Outcome	35	3									
							Result	Within Criteria	Within Criteria									
			-	10	mg/L	Total Oil & Grease	Outcome	0	0									
							Result	Within Criteria	Within Criteria									

2024 - Barracks Creek Water Quality & Flow Monitoring

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Month	January	February	March	April	May	June	July	August	September	October	November	December
							Sample Date	22 Jan 2024	5 Feb 2024	4 Mar 2024	2 Apr 2024	1 May 2024	5 Jun 2024	3 Jul 2024	7 Aug 2024	4 Sep 2024	17 Oct 2024	6 Nov 2024	4 Dec 2024
							Report Date	5 Feb 2024	15 Feb 2024	20 Mar 2024	18 Apr 2024	16 May 2024	28 Jun 2024	16 Jul 2024	21 Aug 2024	10 Sep 2024	24 Oct 2024	18 Nov 2024	12 Dec 2024
Downstream in Barracks Creek	Monthly (Provided creek conditions allows safe access)	Water Management Plan Clause 5.1.2 & 5.1.3	6.5	8.5	pH	pH	Outcome	7.8	7.8	8.1	7.8	8.7	8.1	8.6	7.5	8.4	9.5	8.6	8.5
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Outside Criteria	Within Criteria	Outside Criteria	Within Criteria	Within Criteria	Outside Criteria	Outside Criteria	Within Criteria
			-	50	mg/L	Suspended Solids	Outcome	5	5	5	5	5	5	5	53	5	5	6.2	5
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Outside Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
			-	10	mg/L	Total Oil & Grease	Outcome	10	13	10	10	10	14	10	12	10	5	14	5
							Result	Within Criteria	Outside Criteria	Within Criteria	Within Criteria	Within Criteria	Outside Criteria	Within Criteria	Outside Criteria	Within Criteria	Within Criteria	Outside Criteria	Within Criteria
			125	2200	µS/cm	Electrical Conductivity	Outcome	555	777	1110	783	737	651	774	852	739	707	731	1190
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
			-	-	m	Creek Depth (Staff Gauge)	Outcome	-	-	-	0.095	0.1	0.1	0.1	0.5	0.13	0.23	0.1	0.1
			-	-	kL	Flow Calculation	Outcome	-	-	-	-	-	-	-	-	-	-	-	-

Comments: Add any comments regarding the surface water monitoring outcomes in the fields below	
Comment 1:	As the site did not discharge water to Barracks Creek in 2023 monitoring at the SIP discharge Point was not triggered
Comment 2:	Creek depth measurement using a manual staff guage to commence in 2024
Comment 3:	Methodology to convert depth measurement into flow volume using flow rating curve to be determined.

2024 - Upslope Catchment Inflow Monitoring

Inflow Volume

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Discharge Volume (YTD)	January	February	March	April	May	June	July	August	September	October	November	December
Entry of Upflow catchment to CRQ	Monthly	Water Management Plan Clause 5.1.2 &	-	-	kL	Measured Volume from V-notch Weir	28	88	9	7	8	2	0					

Comments: Add any comments regarding the surface water monitoring outcomes in the fields below	
Comment 1:	Recording of upslope inflow using a v-notch wier to commence in 2024

2023 - Discharge Water Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Sample Date / Report Date	
EPA Discharge Point Point 1 SIP Discharge to Barracks Creek	Each Discharge Event	EPL Section L2	6.5	8.5	pH	pH	Outcome	Comment 1
							Result	
			-	50	mg/L	Suspended Solids	Outcome	
							Result	
			-	10	mg/L	Total Oil & Grease	Outcome	
							Result	

2023 - Barracks Creek Water Quality & Flow Monitoring

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Description	Month	January	February	March	April	May	June	July	August	September	October	November	December
							Sample Date	5 Jan 2023	6 Feb 2023	8 Mar 2023	5 Apr 2023	3 May 2023	5 Jun 2023	4 Jul 2023	2 Aug 2023	7 Sep 2023	8 Sep 2023	7 Nov 2023	6 Dec 2023
							Report Date	17 Jan 2023	20 Feb 2023	17 Mar 2023	28 Apr 2023	16 May 2023	23 Jun 2023	27 Jul 2023	14 Aug 2023	15 Sep 2023	23 Oct 2023	24 Nov 2023	17 Dec 2023
Downstream in Barracks Creek	Monthly (Provided creek conditions allows safe access)	Water Management Plan Clause 5.1.2 & 5.1.3	6.5	8.5	pH	pH	Outcome	8.6	8.4	8.6	8.5	8.6	8.6	8.9	9.4	8.4	8.4	8.7	11.7
							Result	Outside Criteria	Within Criteria	Outside Criteria	Within Criteria	Outside Criteria	Outside Criteria	Outside Criteria	Outside Criteria	Within Criteria	Within Criteria	Outside Criteria	Outside Criteria
			-	50	mg/L	Suspended Solids	Outcome	5.6	8.7	18	5	10	5.3	6.1	5	11	7.8	5	5.4
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
			-	10	mg/L	Total Oil & Grease	Outcome	24	10	31	10	12	28	5	10	10	16	10	10
							Result	Outside Criteria	Within Criteria	Outside Criteria	Within Criteria	Outside Criteria	Outside Criteria	Within Criteria	Within Criteria	Within Criteria	Outside Criteria	Within Criteria	Within Criteria
			125	2200	µS/cm	Electrical Conductivity	Outcome	385	296	496	413	410	523	535	816	1130	741	842	663
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
			-	-	m	Creek Depth (Staff Guage)	Outcome	Comment 2	Comment 2	Comment 2	Comment 2	Comment 2	Comment 2	Comment 2	Comment 2	Comment 2	Comment 2	Comment 2	Comment 2
			-	-	kL	Flow Calculation	Outcome	Comment 3	Comment 3	Comment 3	Comment 3	Comment 3	Comment 3	Comment 3	Comment 3	Comment 3	Comment 3	Comment 3	Comment 3

Comments: Add any comments regarding the surface water monitoring outcomes in the fields below	
Comment 1:	As the site did not discharge water to Barracks Creek in 2023 monitoring at the SIP discharge Point was not triggered
Comment 2:	Creek depth measurement using a manual staff guage to commence in 2024
Comment 3:	Methodology to convert depth measurement into flow volume using flow rating curve to be determined.

2023 - Upslope Catchment Inflow Monitoring

Inflow Volume

Location	Frequency	Source	Lower Limit	Upper Limit	Unit	Discharge Volume (YTD)	January	February	March	April	May	June	July	August	September	October	November	December
Entry of Upflow catchment to CRQ	Monthly	Water Management Plan Clause 5.1.2 &	-	-	kL	Measured Volume from V-notch Weir	Comment 1	Comment 1	Comment 1	Comment 1	Comment 1	Comment 1	Comment 1	Comment 1	Comment 1	Comment 1	Comment 1	Comment 1

Comments: Add any comments regarding the surface water monitoring outcomes in the fields below	
Comment 1:	Recording of upslope inflow using a v-notch wier to commence in 2024

2025 - Groundwater Monitoring Results

Location	Frequency	Source	Description	Unit	Quarter	Q1	Q2	Q3	Q4
					Sample Date				
					Report Date				
MB01	Quarterly	Water Management Plan Section 5.2	Depth to water	Meters	Outcomes				
			pH	ph Units					
			Temperature	deg. C					
			Electrical Conductivty	µS/cm					
			Total Dissolved Solids	mg/L					
			Observation - Colour (Clear, Cloudy or Dirty)	-					
			Observation - Odour (No Odour, Mild Odour, Strong Odour)	-					
		Water Management Plan	Depth to water	Meters					
			pH	ph Units					
			Temperature	deg. C					

MB02	Quarterly	Water Management Plan Section 5.2	**Electrical Conductivty**	µS/cm	Outcomes				
			Total Dissolved Solids	mg/L					
			Observation - Colour (Clear, Cloudy or Dirty)	-					
			Observation - Odour (No Odour, Mild Odour, Strong Odour)	-					
GW400534	Quarterly	Water Management Plan Section 5.2	**Depth to water**	Meters	Outcomes				
			pH	ph Units					
			Temperature	deg. C					
			Electrical Conductivty	µS/cm					
			Total Dissolved Solids	mg/L					
			Observation - Colour (Clear, Cloudy or Dirty)	-					
			Observation - Odour (No Odour, Mild Odour, Strong Odour)	-					
GW416130	Quarterly	Water Management Plan Section 5.2	**Depth to water**	Meters	Outcomes				
			pH	ph Units					
			Temperature	deg. C					
			Electrical Conductivty	µS/cm					
			Total Dissolved Solids	mg/L					
			Observation - Colour (Clear, Cloudy or Dirty)	-					
			Observation - Odour (No Odour, Mild Odour, Strong Odour)	-					

2024 - Groundwater Monitoring Results

Location	Frequency	Source	Description	Unit	Quarter	Q1	Q2	Q3	Q4
					Sample Date				
					Report Date				
MB01	Quarterly	Water Management Plan Section 5.2	**Depth to water**	Meters	Outcomes				
			pH	ph Units					
			Temperature	deg. C					
			Electrical Conductivty	µS/cm					
			Total Dissolved Solids	mg/L					
			Observation - Colour (Clear, Cloudy or Dirty)	-					
			Observation - Odour (No Odour, Mild Odour, Strong Odour)	-					
MB02	Quarterly	Water Management Plan Section 5.2	**Depth to water**	Meters	Outcomes				
			pH	ph Units					
			Temperature	deg. C					
			Electrical Conductivty	µS/cm					
			Total Dissolved Solids	mg/L					
			Observation - Colour (Clear, Cloudy or Dirty)	-					
			Observation - Odour (No Odour, Mild Odour, Strong Odour)	-					
GW400534	Quarterly	Water Management Plan Section 5.2	**Depth to water**	Meters	Outcomes				
			pH	ph Units					
			Temperature	deg. C					
			Electrical Conductivty	µS/cm					
			Total Dissolved Solids	mg/L					
			Observation - Colour (Clear, Cloudy or Dirty)	-					
			Observation - Odour (No Odour, Mild Odour, Strong Odour)	-					
GW416130	Quarterly	Water Management Plan Section 5.2	**Depth to water**	Meters	Outcomes				
			pH	ph Units					
			Temperature	deg. C					
			Electrical Conductivty	µS/cm					
			Total Dissolved Solids	mg/L					
			Observation - Colour (Clear, Cloudy or Dirty)	-					
			Observation - Odour (No Odour, Mild Odour, Strong Odour)	-					

2023 - Groundwater Monitoring Results

Location	Frequency	Source	Description	Unit	Quarter	Q1	Q2	Q3	Q4
					Sample Date	6 Feb 2023	5 Apr 2023	2 Aug 2023	10 Apr 2023
					Report Date	-	-	-	-
MB01	Quarterly	Water Management Plan Section 5.2	**Depth to water**	Meters	Outcomes	67.63	67.34	66.4	66.5
			pH	ph Units		7.5	9.4	7.8	7.4
			Temperature	deg. C		21.6	22.8	15.7	16.5
			Electrical Conductivty	µS/cm		595	707.0	1570.0	1590.0
			Total Dissolved Solids	mg/L		381	453.0	9.9	1020.0
			Observation - Colour (Clear, Cloudy or Dirty)	-		Clear	Clear	Cloudy	Clear
			Observation - Odour (No Odour, Mild Odour, Strong Odour)	-		Mild Odour	No Odour	Mild Odour	Mild Odour
MB02	Quarterly	Water Management Plan Section 5.2	**Depth to water**	Meters	Outcomes	38.79	43.77	43.4	43.4
			pH	ph Units		7.13	7.9	8.0	7.4
			Temperature	deg. C		17.83	18.02	15.4	16.6
			Electrical Conductivty	µS/cm		579	6250.0	1460.0	1440.0
			Total Dissolved Solids	mg/L		37	4000.0	2.9	922.0
			Observation - Colour (Clear, Cloudy or Dirty)	-		Cloudy	Cloudy	Clear	Clear
			Observation - Odour (No Odour, Mild Odour, Strong Odour)	-		No Odour	No Odour	Mild Odour	No Odour
GW400534	Quarterly	Water Management Plan Section 5.2	**Depth to water**	Meters	Outcomes	47.31	47.29	46.4	46.2
			pH	ph Units		7.1	7.2	7.4	7.2
			Temperature	deg. C		18.06	23.67	14.5	16.3
			Electrical Conductivty	µS/cm		581	602	733.0	713.0
			Total Dissolved Solids	mg/L		372	375.0	1.2	456.0
			Observation - Colour (Clear, Cloudy or Dirty)	-		Cloudy	Cloudy	Cloudy	Cloudy
			Observation - Odour (No Odour, Mild Odour, Strong Odour)	-		No Odour	No Odour	No Odour	No Odour
GW416130	Quarterly	Water Management Plan Section 5.2	**Depth to water**	Meters	Outcomes	24.63	25.4	24.7	24.6
			pH	ph Units		6.8	7.6	6.9	6.8
			Temperature	deg. C		17.75	20.35	15.1	16.0
			Electrical Conductivty	µS/cm		883	1000	2540.0	2410.0
			Total Dissolved Solids	mg/L		565	6420	2.2	1550.0
			Observation - Colour (Clear, Cloudy or Dirty)	-		Cloudy	Cloudy	Cloudy	Clear
			Observation - Odour (No Odour, Mild Odour, Strong Odour)	-		No Odour	No Odour	No Odour	No Odour