



Air Quality Monitoring - PM10 and TSP Results

Annual Average (YTD)**Annual Average (YTD)**

Annual Average (YTD)

Location	Frequency	Source	Annual Limit	24Hr Limit (As every 5 Days)	Unit	Sample Date	5/01/24	11/01/24	17/01/24	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
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	30	50	µg/m3	24Hr Outcome	14.9	22.9	26.8	17.8	3.3								
						24Hr Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria								
Location	Frequency	Source	Annual Limit	24Hr Limit (As every 5 Days)	Unit	Sample Date	23 Mar 2024	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	4 Jun 2024
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	30	50	µg/m3	24Hr Outcome	16.5				13.1	11.8	7.3	14	11.7	11.4	24.1	8.1	8
						24Hr Result	Within Criteria				Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
Location	Frequency	Source	Annual Limit	24Hr Limit (As every 1 Day)	Unit	Sample Date	6 Jul 2024	10 Jun 2024	17 Jun 2024	24 Jun 2024	30 Jun 2024	6 Jul 2024	12 Jul 2024	18 Jul 2024	24 Jul 2024	30 Jul 2024	5 Aug 2024	11 Aug 2024	17 Aug 2024
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	30	50	µg/m3	24Hr Outcome	6.1	9.1	9.4	6	9.8			10.2	10.1	8.1	2.9		7.1
						24Hr Result	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	Annual Limit	24Hr Limit (As every 5 Days)	Unit	Sample Date	23 Aug 2024	29 Aug 2024	4 Sep 2024	10 Sep 2024	16 Sep 2024	22 Sep 2024	28 Sep 2024	4 Oct 2024	10 Oct 2024	16 Oct 2024	22 Oct 2024	28 Oct 2024	3 Nov 2024

HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	30	50	µg/m3	24Hr Outcome 24Hr Result	4.5 Within Criteria	4.2 Within Criteria	6.1 Within Criteria	25.9 Within Criteria	16.6 Within Criteria	3.4 Within Criteria	12.9 Within Criteria	4.4 Within Criteria	7.3 Within Criteria	6.5 Within Criteria	20.5 Within Criteria	5.7 Within Criteria	5.4 Within Criteria
Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	Unit	Sample Date	9 Nov 2024	15 Nov 2024	21 Nov 2024	27 Nov 2024	3 Dec 2024	9 Dec 2024	15 Dec 2024	21 Dec 2024	27 Dec 2024				
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	30	50	µg/m3	24Hr Outcome 24Hr Result	18.1 Within Criteria	8.7 Within Criteria	7.1 Within Criteria	9.2 Within Criteria		26.2 Within Criteria	64.1 Outside Criteria	4 Within Criteria	7.2 Within Criteria				

2024 - Derived Total Suspended Particles (TSP)

Annual Average (YTD)

34.69 µg/m3

Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	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
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	-	-	µg/m3	Outcome	42.57	65.43	76.57	50.86	9.43								
Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	Unit	Sample Date	23 Mar 2024	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	4 Jun 2024
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	-	-	µg/m3	Outcome	47.14				37.43	33.71	20.86	40.00	33.43	32.57	68.86	23.14	22.86
Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	Unit	Sample Date	6 Jul 2024	10 Jun 2024	17 Jun 2024	24 Jun 2024	30 Jun 2024	6 Jul 2024	12 Jul 2024	18 Jul 2024	24 Jul 2024	30 Jul 2024	5 Aug 2024	11 Aug 2024	17 Aug 2024
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	-	-	µg/m3	Outcome	17.43	26.00	26.86	17.14	28.00			29.14	28.86	23.14	8.29		20.29
Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	Unit	Sample Date	23 Aug 2024	29 Aug 2024	4 Sep 2024	10 Sep 2024	16 Sep 2024	22 Sep 2024	28 Sep 2024	4 Oct 2024	10 Oct 2024	16 Oct 2024	22 Oct 2024	28 Oct 2024	3 Nov 2024
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	-	-	µg/m3	Outcome	12.86	12.00	17.43	74.00	47.43	9.71	36.86	12.57	20.86	18.57	58.57	16.29	15.43
Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	Unit	Sample Date	9 Nov 2024	15 Nov 2024	21 Nov 2024	27 Nov 2024	3 Dec 2024	9 Dec 2024	15 Dec 2024	21 Dec 2024	27 Dec 2024				
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	-	-	µg/m3	Outcome	51.71	24.86	20.29	26.29		74.86	183.14	11.43	20.57				

Air Quality Monitoring - PM10 and TSP Results

2023 - Particulate Matter (PM10)

Annual Average (YTD)

13.92 µg/m3

Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	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	7 Mar 2023	11 Mar 2023	17 Mar 2023	23 Mar 2023
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	30	50	µg/m3	24Hr Outcome 24Hr Result	18.1 Within Criteria	9.2 Within Criteria	6.9 Within Criteria	0.2 Within Criteria	12.5 Within Criteria	17.1 Within Criteria	11.4 Within Criteria	14.5 Within Criteria	4.9 Within Criteria	11.9 Within Criteria	4.2 Within Criteria	23.2 Within Criteria	10.9 Within Criteria
Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	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
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	30	50	µg/m3	24Hr Outcome 24Hr Result	14.4 Within Criteria	23.2 Within Criteria	18.9 Within Criteria	8.1 Within Criteria	9.4 Within Criteria	8.2 Within Criteria	20.8 Within Criteria	5.4 Within Criteria	5.2 Within Criteria	16.3 Within Criteria	12.6 Within Criteria	10.8 Within Criteria	4.8 Within Criteria
Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	Unit	Sample Date	9 Jun 2023	15 Jun 2023	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
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	30	50	µg/m3	24Hr Outcome 24Hr Result	6.9 Within Criteria	6.3 Within Criteria	6 Within Criteria	9.2 Within Criteria	12 Within Criteria	6.6 Within Criteria	10 Within Criteria	6.1 Within Criteria	26.2 Within Criteria	17.1 Within Criteria	4 Within Criteria	16.8 Within Criteria	13.4 Within Criteria
Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	Unit	Sample Date	26 Aug 2023	1 Sep 2023	7 Sep 2023	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
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	30	50	µg/m3	24Hr Outcome 24Hr Result	16.8 Within Criteria	19.5 Within Criteria	18.4 Within Criteria	12 Within Criteria	9.6 Within Criteria	19.3 Within Criteria	10.3 Within Criteria	9 Within Criteria	26.4 Within Criteria	16.1 Within Criteria	30.6 Within Criteria	10.3 Within Criteria	20.5 Within Criteria
Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	Unit	Sample Date	12 Nov 2023	18 Nov 2023	24 Nov 2023	30 Nov 2023	6 Dec 2023	12 Dec 2023	18 Dec 2023	24 Dec 2023	30 Dec 2023				
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	30	50	µg/m3	24Hr Outcome 24Hr Result	11.8 Within Criteria	19.5 Within Criteria	35.5 Within Criteria	20.9 Within Criteria	6.6 Within Criteria	57.7 Outside Criteria	17.1 Within Criteria	10.3 Within Criteria	7.5 Within Criteria				

2023 - Derived Total Suspended Particles (TSP)

Annual Average (YTD)

39.78 µg/m3

Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	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	7 Mar 2023	11 Mar 2023	17 Mar 2023	23 Mar 2023
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	-	-	µg/m3	Outcome	51.71	26.29	19.71	0.57	35.71	48.86	32.57	41.43	14.00	34.00	12.00	66.29	31.14
Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	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
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	-	-	µg/m3	Outcome	41.14	66.29	54.00	23.14	26.86	23.43	59.43	15.43	14.86	46.57	36.00	30.86	13.71
Location	Frequency	Source	Annual Limit	24Hr Limit (Av. every 6 Days)	Unit	Sample Date	9 Jun 2023	15 Jun 2023	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
HVAS Unit	Weekly	Teven Air Quality Management Plan Section 6 & 8	-	-	µg/m3	Outcome	19.71	18.00	17.14	26.29	34.29	18.86	28.57	17.43	74.86	48.86	11.43	48.00	38.29

[illegible]

<38	<35	<31	<35
Within Criteria	Within Criteria	Within Criteria	Within Criteria
51.8	37.1	57.9	41.1
<35	<25	Inaudible	Inaudible
Within Criteria	Within Criteria	Within Criteria	Within Criteria
53	37.8	50.9	40.2
<35	<25	Inaudible	Inaudible
Within Criteria	Within Criteria	Within Criteria	Within Criteria
56.8	44.3	43.4	42.9
<37	<28	<30	<29
Within Criteria	Within Criteria	Within Criteria	Within Criteria
50.6	44.6	44.4	43.7
<37	<28	<30	<29
Within Criteria	Within Criteria	Within Criteria	Within Criteria
43.3	36.1	50.3	44.9
<35	<24	Inaudible	Inaudible
Within Criteria	Within Criteria	Within Criteria	Within Criteria
52.7	35.2	51.3	46.1
<37	<35	<29	<35
Within Criteria	Within Criteria	Within Criteria	Within Criteria
59.8	56	54.9	50
<37	<34	<43	<28
Within Criteria	Within Criteria	Within Criteria	Within Criteria
55.1	54	56.4	47.3
<37	<34	<44	<37
Within Criteria	Within Criteria	Within Criteria	Within Criteria
54.3	39.2	41.7	45.6
<35	<26	Inaudible	Inaudible
Within Criteria	Within Criteria	Within Criteria	Within Criteria
46.5	36.9	41.8	43.1
<35	<26	Inaudible	Inaudible
Within Criteria	Within Criteria	Within Criteria	Within Criteria
47.5	47.7	66.5	62.2
<37	<32	<28	<29
Within Criteria	Within Criteria	Within Criteria	Within Criteria
47.2	46.5	64.3	65.6
<37	<31	<28	<31
Within Criteria	Within Criteria	Within Criteria	Within Criteria
47.4	47.1	56	43.5
<35	<27	Inaudible	Inaudible
Within Criteria	Within Criteria	Within Criteria	Within Criteria
52	40.3	55.6	51.8
<35	<24	Inaudible	Inaudible
Within Criteria	Within Criteria	Within Criteria	Within Criteria

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

Location	Frequency	Source	Upper Limit	Unit	Description	Date	29 Jan 2024	26 Feb 2024	26 Feb 2024	22 Mar 2024	2 Apr 2024	2 May 2024	25 Jun 2024	25 Jul 2024	25 Jul 2024	19 Aug 2024	18 Sep 2024	22 Oct 2024		
Residence on Wellers Rd	Per Blast	EPL Section L5	115	dB (Lin Peak)	Over Pressure	Outcome	112.20	97.50	104.90	93.40	102.80	102.80	99.50	102.80	95.90	88.90	105.50	100.00		
					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	
			5	mm/s	Ground Vibration	Outcome	0.61	1.26	0.95	2.89	1.16	0.79	1.58	1.10	0.40	2.70	1.96	1.02		
					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	
Site Entrance, Stokers Ln	Per Blast	EPL Section L5	115	dB (Lin Peak)	Over Pressure	Outcome	106.10	107.00	108.40	104.20	88.00	110.90	DNT	103.50	DNT	108.10	105.50	DNT		
					Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Pass	Within Criteria	Pass	Within Criteria	Within Criteria	Pass			
			5	mm/s	Ground Vibration	Outcome	0.65	0.34	0.45	0.70	0.41	0.10	DNT	0.33	DNT	0.87	0.46	DNT		
					Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Pass	Within Criteria	Pass	Within Criteria	Within Criteria	Pass			

2023 - Blast Monitoring Results

Location	Frequency	Source	Upper Limit	Unit	Description	Date	3 Feb 2023	7 Mar 2023	17 Apr 2023	1 Jun 2023	28 Jun 2023	1 Aug 2023	16 Aug 2023	15 Sep 2023	16 Oct 2023	3 Nov 2023	9 Dec 2023
Residence on Wellers Rd	Per Blast	EPL Section L5	115	dB (Lin Peak)	Over Pressure	Outcome	104.30	107.50	107.10	110.50	110.00	111.40	107.10	104.30	105.70	104.30	100.70
						Result	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	0.79	2.20	1.68	2.08	1.32	5.00	0.33	0.65	1.78	1.99	2.11
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
Site Entrance, Stokers Ln	Per Blast	EPL Section L5	115	dB (Lin Peak)	Over Pressure	Outcome	104.70	106.00	111.20	110.20	110.50	116.50	102.60	110.80	107.50	104.20	106.80
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Outside Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
			5	mm/s	Ground Vibration	Outcome	0.69	0.99	1.52	0.58	0.96	0.48	1.79	0.47	0.40	0.32	0.64
						Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria
Over Pressure Monitor Trigger Setting				100	dB												
Ground Vibration Monitor Trigger Setting				0.3	mm/s												

2025 - Surface Water Monitoring Results

Notes: Exceedance of specified water quality criteria is not considered a breach of licence conditions in rain events exceeding 82.5 mm over any 5 consecutive days (special frequency 1).

Location	Frequency	Source	Lower Limit	Upper Limit	Description	Unit	Sample Date													
LDP (Licensed discharge point)	Wet Weather Discharge (Special Frequency 1)	EPL Section L2	6.5	8.5	pH	pH Units	Outcome													
							Result													
			-	50	Suspended Solids	mg/L	Outcome													
							Result													
			-	-	Visible Oil & Grease	Visible or Not Visible	Outcome													
							Result													

2024 - Surface Water Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Description	Unit	Sample Date	15 Jan 2024	16 Jan 2024	17 Jan 2024	5 Mar 2024	22 Mar 2024	5 Apr 2024	8 Apr 2024	9 Apr 2024	12 Apr 2024	8 May 2024	20 May 2024	12 Aug 2024	2 Oct 2024
LDP (Licensed discharge point)	Wet Weather Discharge (Special Frequency 1)	EPL Section L2	6.5	8.5	pH	pH Units	Outcome	7.36	7.37	7.38	7.19	7.2	7.08	7.07	7.09	7.19	7.27	6.95	7.12	6.96
							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
			-	50	Suspended Solids	mg/L	Outcome	1	15	2	1	0	0	1	2	3	3	0	1	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
			-	-	Visible Oil & Grease	Visible or Not Visible	Outcome	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible
							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

2023 - Surface Water Monitoring Results

Location	Frequency	Source	Lower Limit	Upper Limit	Description	Unit	Sample Date	24 Feb 2023	25 Feb 2023	4 Mar 2023	4 Apr 2023	20 Apr 2023	21 Apr 2023	24 Apr 2023						
LDP (Licensed discharge point)	Wet Weather Discharge (Special Frequency 1)	EPL Section L2	6.5	8.5	pH	pH Units	Outcome	7.87	6.57	7.75	7.79	7.66	7.82	7.91						
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria						
			-	50	Suspended Solids	mg/L	Outcome	<1	1	<1	<1	41	37	49						
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria						
			-	-	Visible Oil & Grease	Visible or Not Visible	Outcome	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible	Not Visible						
							Result	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria	Within Criteria						