



VICKERY COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 21283

EPA Website Link:

<https://whitehavencoal.com.au/Documentations/Vickery%20Extension%20Project/Approvals/Environment%20Protection%20Licence/VIC%20-%20Environmental%20Protection%20Licence.pdf?v=1702936903>

Licensee: Vickery Coal Pty Ltd

Licensee Address: Vickery Coal Mine, Blue Vale Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: January 2025

Obtained Date: 19/02/2025

Publication Date: 20/02/2025

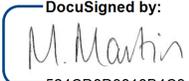
Name	Role	Signature	Date
Megan Martin	Environmental Superintendent	 <small>DocuSigned by: M. Martin</small> <small>524CD8D3818B4C3...</small>	February 20, 2025 2:31 PM AEDT

Table 1: Surface Water – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comment/s
2	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
9	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
10	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2: Surface Water - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed -ance (Yes/ No)	Comment/s
14	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm							NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
20	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm							NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
21	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	

Table 3: Groundwater – No Limits apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
15	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
16	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
17	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
18	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
19	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

Table 4 – Monthly Attended Noise Monitoring

(Noise Limits Apply - 40dB LAeq(15min) -Day, 37dB LAeq(15min) Evening and Night; 52dB LA1(1min) -Night)

Table 4 VCM Operational Noise Monitoring Results Leq(15min) – 22 nd January 2025 (Day)								
Location	Time	dB(A), Leq	VCM Contri- bution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	1:04pm	31	IA	45 ¹	6.1 / 331	D	Birds (29), cows (24), insects (22), VCM (IA)	No
N-AT2 / 8	3:03pm	27	IA	45 ¹	5.7 / 317	D	Birds (23), traffic (23), insects (20), VCM (IA)	No
Table 5 VCM Operational Noise Monitoring Results Leq(15min) – 22 nd January 2025 (Evening)								
Location	Time	dB(A), Leq	VCM Contri- bution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	6:13pm	26	IA	40 ¹	4.3 / 325	D	Birds (26), VCM (IA)	No
N-AT2 / 8	7:30pm	47	IA	42 ¹	3.7 / 346	E	Traffic (47), insects (32), VCM (IA)	No
Table 6 VCM Operational Noise Monitoring Results Leq(15min) – 22 nd January 2025 (Night)								
Location	Time	dB(A), Leq	VCM Contri- bution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	11:39pm	31	26	40 ¹	5.7 / 134	D	Insects (29), VCM (26)	No
N-AT2 / 8	10:05pm	40	IA	42 ¹	3.2 / 119	E	Traffic (39), insects (33), VCM (IA)	No

Table 7 VCM Operational Noise Monitoring Results LA_{max} – 22nd January 2025								
Location	Time	dB(A), LA _{max}	VCM Contribution dB(A), LA _{max}	Criterion dB(A), LA _{max}	Wind speed (m/s),dir	Stability Class	LA _{max} Noise Source	Exceedance (Yes/No)
N-AT1 / 7	11:39pm	49	30	57 ¹	5.7 / 134	D	Insects	No
N-AT2 / 8	10:05pm	52	IA	57 ¹	3.2 / 119	E	Car	No

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-01	Blast Noise	dB (Lin Peak)	Every Blast	6	100.52	105.40	N/A	Nil	29/01/2025
	Blast Vibration	mm/s	Every Blast	6	0.51	0.63	N/A	Nil	29/01/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-02	Blast Noise	dB (Lin Peak)	Every Blast	6	103.18	111.30	N/A	Nil	8/01/2025
	Blast Vibration	mm/s	Every Blast	6	1.27	2.47	N/A	Nil	29/01/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-03	Blast Noise	dB (Lin Peak)	Every Blast	6	98.90	113.10	120	N/A	8/01/2025
	Blast Vibration	mm/s	Every Blast	6	0.34	0.48	10	N/A	29/01/2025

Table 6- PM1 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	4.3	12.2	27
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	3	6.3	10.9

Table 7- PM2 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	6	14.7	27.4
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	3.9	7.6	13.9

Figure 1 – EPL 21283 Monitoring Locations



EPL Monitoring Locations

● Atended Noise	● TEOM
● Blast Monitor	□ Approved Disturbance Area
● Groundwater	— Mining Lease
● Meteorological	
● Surface Water	



**Vickery Coal Mine
EPL Monitoring Locations**

Date: Sept 2023
MGA Zone 56
Scale: 1:68,000
Author: A. Quiroz





VICKERY COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 21283

EPA Website Link:

<https://whitehavencoal.com.au/Documentations/Vickery%20Extension%20Project/Approvals/Environment%20Protection%20Licence/VIC%20-%20Environmental%20Protection%20Licence.pdf?v=1702936903>

Licensee: Vickery Coal Pty Ltd

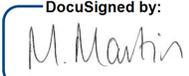
Licensee Address: Vickery Coal Mine, Blue Vale Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: February 2025

Obtained Date: 6/03/2025

Publication Date: 10/03/2025

Name	Role	Signature	Date
Megan Martin	Environmental Superintendent	DocuSigned by: 	10 March 2025

524CD8D3818B4C3...

Table 1: Surface Water – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comment/s
2	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
3	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
9	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	
10	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2: Surface Water - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed -ance (Yes/ No)	Comment/s
14	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm							NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
20	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm							NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
21	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	

Table 3: Groundwater – No Limits apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
15	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
16	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
17	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
18	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
19	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

Table 4 – Monthly Attended Noise Monitoring

(Noise Limits Apply - 40dB LAeq(15min) -Day, 37dB LAeq(15min) Evening and Night; 52dB LA1(1min) -Night)

Table 4								
VCM Operational Noise Monitoring Results Leq(15min) – 14 th February 2025 (Day)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	12:00pm	36	IA	40	2.5 / 297	B	Birds (36), insects (24), VCM (IA)	No
N-AT2 / 8	9:33am	42	IA	40	1.6 / 123	A	Birds (39), insects (36), traffic (36), VCM (IA)	No
Table 5								
VCM Operational Noise Monitoring Results Leq(15min) – 13 th February 2025 (Evening)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	6:04pm	42	IA	40 ¹	3.6 / 061	D	Traffic (42), birds (23), VCM (IA)	No
N-AT2 / 8	7:15pm	42	IA	42 ¹	3.7 / 290	D	Traffic (40), birds (35), insects (32), VCM (IA)	No

Table 6								
VCM Operational Noise Monitoring Results Leq(15min) – 13 th February 2025 (Night)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	11:49pm	35	22	35	1.5 / 113	E	Insects (35), VCM (22)	No
N-AT2 / 8	10:03pm	39	IA	37	1.2 / 097	E	Insects (36), traffic (36), VCM (IA)	No

Table 7								
VCM Operational Noise Monitoring Results LA _{max} – 13 th February 2025								
Location	Time	dB(A), LA _{max}	VCM Contribution dB(A), LA _{max}	Criterion dB(A), LA _{max}	Wind speed (m/s),dir	Stability Class	LA _{max} Noise Source	Exceedance (Yes/No)
N-AT1 / 7	11:49pm	46	26	52	1.5 / 113	E	Insects	No
N-AT2 / 8	10:03pm	50	IA	52	1.2 / 097	E	Insects	No

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-01	Blast Noise	dB (Lin Peak)	Every Blast	4	101.7	111.60	N/A	Nil	25/02/2025
	Blast Vibration	mm/s	Every Blast	4	0.39	0.49	N/A	Nil	25/02/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-02	Blast Noise	dB (Lin Peak)	Every Blast	4	104.30	115.40	N/A	Nil	25/02/2025
	Blast Vibration	mm/s	Every Blast	4	0.83	1.14	N/A	Nil	19/02/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-03	Blast Noise	dB (Lin Peak)	Every Blast	4	94.98	107.30	120	N/A	25/02/2025
	Blast Vibration	mm/s	Every Blast	4	0.13	0.18	10	N/A	25/02/2025

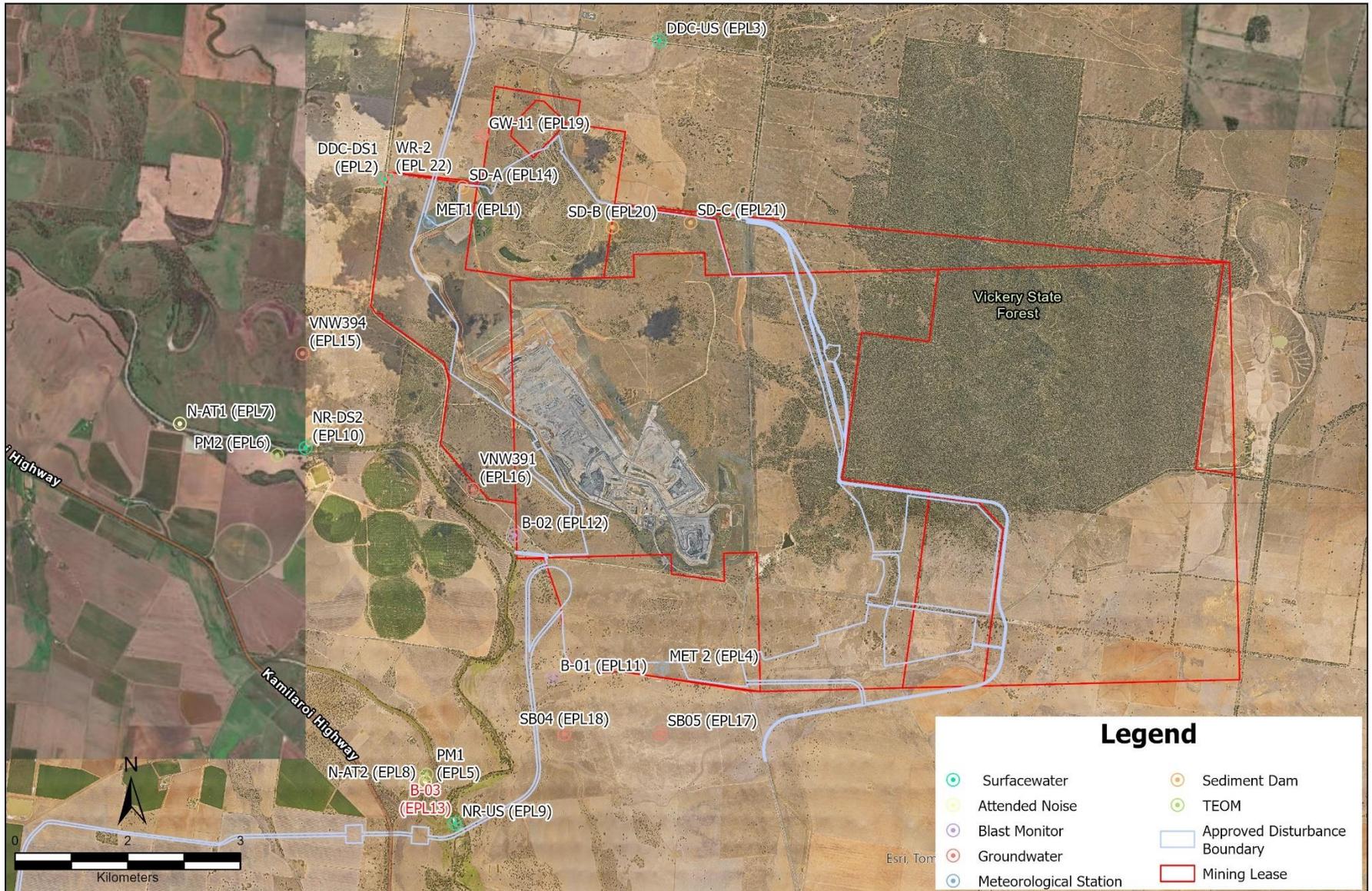
Table 6- PM1 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	4.9	12.2	21.1
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2	5.7	10.7

Table 7- PM2 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	8.3	15.2	23.9
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.6	7.7	13.6

Figure 1 – EPL 21283 Monitoring Locations



**Vickery Coal Mine
EPL Monitoring Locations**

Date: Nov 2024 Scale: 1:60,000
MGA Zone 56 Author: A. Quiroz



VICKERY COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 21283

EPA Website Link:

<https://whitehavencoal.com.au/Documentations/Vickery%20Extension%20Project/Approvals/Environment%20Protection%20Licence/VIC%20-%20Environmental%20Protection%20Licence.pdf?v=1702936903>

Licensee: Vickery Coal Pty Ltd

Licensee Address: Vickery Coal Mine, Blue Vale Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: March 2025

Obtained Date: 11/04/2025

Publication Date: 16/04/2025

Name	Role	Signature	Date
Megan Martin	Environmental Superintendent	DocuSigned by:  <small>524CD8D3818B4C3...</small>	17 April 2025

Table 1: Surface Water – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comment/s
2	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	Creek not flowing – unable to sample
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
3	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	Creek not flowing – unable to sample
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
9	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	1	25/03/2025	25/03/2025	-	-	-	28	-
	Conductivity	µS/cm					-	-	-	540	
	Oil & Grease	mg/L					-	-	-	<5	
	pH	pH					-	-	-	8.07	
10	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	

Table 2: Surface Water - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed -ance (Yes/ No)	Comment/s
14	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm							NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
20	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm							NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
21	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	

Table 3: Groundwater – No Limits apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
15	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
16	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
17	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	
	Standing Water Level	metres		-	-	-	-	-	-	
18	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
19	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

Table 4 – Monthly Attended Noise Monitoring

(Noise Limits Apply - 40dB LAeq(15min) -Day, 37dB LAeq(15min) Evening and Night; 52dB LA1(1min) -Night)

Table 4 VCM Operational Noise Monitoring Results Leq(15min) – 18 March 2025 (Day)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	1:49 pm	42	IA	45	2.7 / 241	D	Wind (39), birds (39), VCM (IA)	No
N-AT2 / 8	4:09 pm	38	IA	45	1.9 / 242	D	Wind (38), traffic (28), VCM (IA)	No

Table 5 VCM Operational Noise Monitoring Results Leq(15min) – 18 March 2025 (Evening)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	9:19 pm	42	IA	40	4.3 / 146	D	Wind (41), Insects (32), VCM (28)	No
N-AT2 / 8	8:11 pm	40	IA	42	3.8 / 131	D	Traffic (38), insects (33), VCM (IA)	No

Table 6 VCM Operational Noise Monitoring Results Leq(15min) – 18 March 2025 (Night)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	10:03 pm	44	IA	40	5.0 / 140	E	Wind (44), plane (31) VCM (28)	No
N-AT2 / 8	11:46 pm	39	IA	42	3.7 / 128	D	Wind (38) Traffic (29), VCM (25)	No

Table 7 VCM Operational Noise Monitoring Results LA_{max} – 18 March 2025								
Location	Time	dB(A), LA _{max}	VCM Contribution dB(A), LA _{max}	Criterion dB(A), LA _{max}	Wind speed (m/s),dir	Stability Class	LA _{max} Noise Source	Exceedance (Yes/No)
N-AT1 / 7	10:03 pm	53	IA	57	5.0 / 140	E	Wind	No
N-AT2 / 8	11:46 pm	67	IA	57	3.7 / 128	D	Birds	No

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-01	Blast Noise	dB (Lin Peak)	Every Blast	4	101.1	104.0	N/A	Nil	14/03/2025
	Blast Vibration	mm/s	Every Blast	4	0.39	0.60	N/A	Nil	03/03/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-02	Blast Noise	dB (Lin Peak)	Every Blast	4	103.88	106.50	N/A	Nil	03/03/2025
	Blast Vibration	mm/s	Every Blast	4	0.99	1.75	N/A	Nil	24/03/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-03	Blast Noise	dB (Lin Peak)	Every Blast	4	100.75	111.30	120	N/A	03/03/2025
	Blast Vibration	mm/s	Every Blast	4	0.20	0.28	10	N/A	24/03/2025

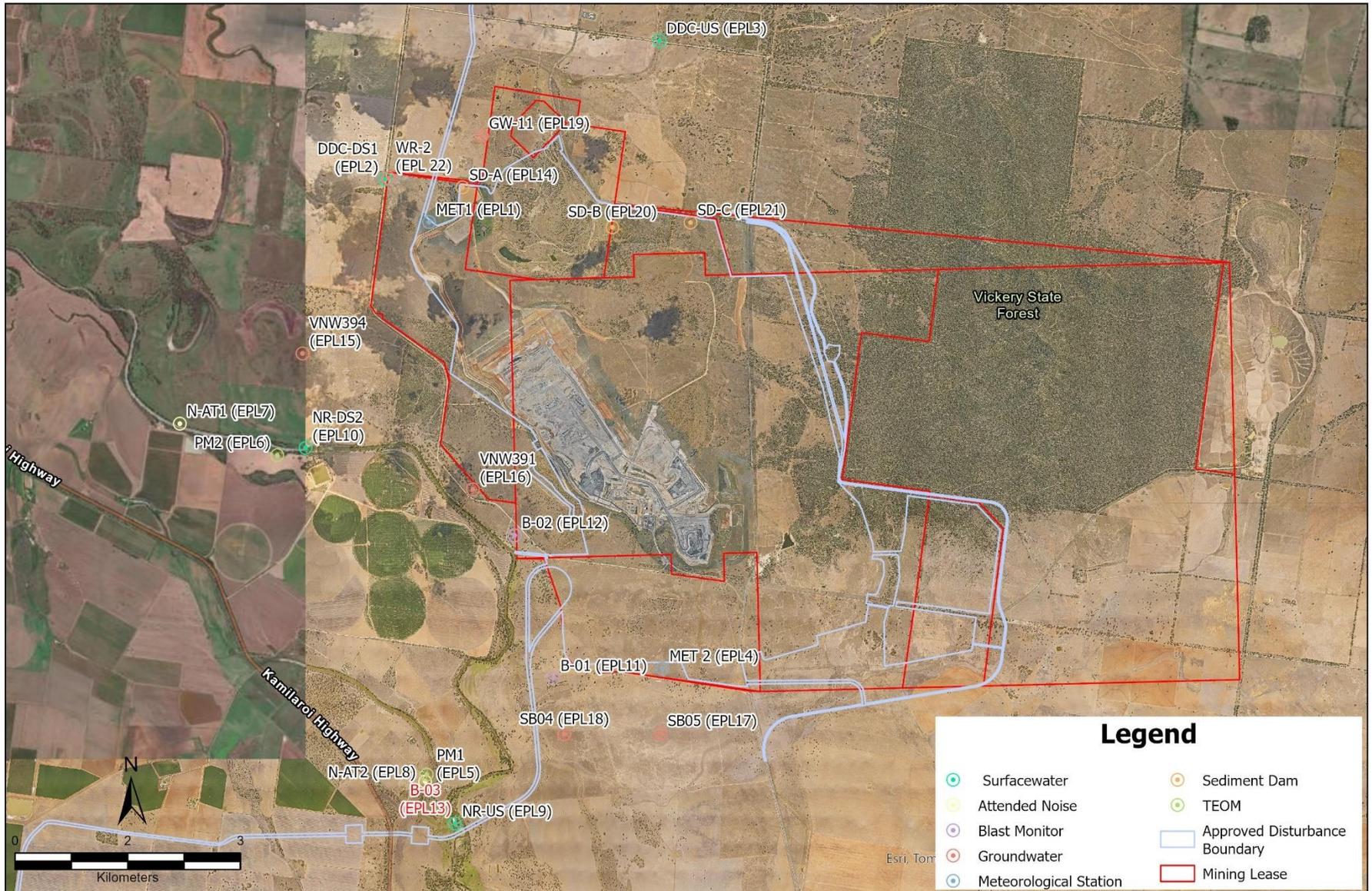
Table 6- PM1 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.8	9.9	28.3
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.2	4.2	10.5

Table 7- PM2 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	3.9	11.8	28.6
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.5	5.1	14.1

Figure 1 – EPL 21283 Monitoring Locations



**Vickery Coal Mine
EPL Monitoring Locations**

Date: Nov 2024 Scale: 1:60,000
MGA Zone 56 Author: A. Quiroz



VICKERY COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 21283

EPA Website Link:

<https://whitehavencoal.com.au/Documentations/Vickery%20Extension%20Project/Approvals/Environment%20Protection%20Licence/VIC%20-%20Environmental%20Protection%20Licence.pdf?v=1702936903>

Licensee: Vickery Coal Pty Ltd

Licensee Address: Vickery Coal Mine, Blue Vale Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: April 2025

Obtained Date: 21/05/2025

Publication Date: 22/05/2025

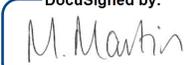
Name	Role	Signature	Date
Megan Martin	Environmental Superintendent	DocuSigned by:  <small>524CD8D3818B4C3...</small>	22 May 2025

Table 1: Surface Water – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comment/s
2	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
3	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
9	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
10	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	

Table 2: Surface Water - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed -ance (Yes/ No)	Comment/s
14	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
20	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
21	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	

Table 3: Groundwater – No Limits apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
15	Conductivity	µS/cm	Six Monthly (April & Oct)	1	15/04/2025	15/04/2025	-	-	-	5460
	Lead	mg/L		1	15/04/2025	15/04/2025	-	-	-	<0.001
	pH	pH		1	15/04/2025	15/04/2025	-	-	-	7.48
	Standing Water Level	metres		1	15/04/2025	15/04/2025	-	-	-	6.95
16	Conductivity	µS/cm	Six Monthly (April & Oct)	1	15/04/2025	15/04/2025	-	-	-	2510
	Lead	mg/L		1	15/04/2025	15/04/2025	-	-	-	<0.001
	pH	pH		1	15/04/2025	15/04/2025	-	-	-	7.58
	Standing Water Level	metres		1	15/04/2025	15/04/2025	-	-	-	8.04
17	Conductivity	µS/cm	Six Monthly (April & Oct)	1	22/04/2025	22/04/2025	-	-	-	3440
	Lead	mg/L		1	22/04/2025	22/04/2025	-	-	-	<0.001
	pH	pH		1	22/04/2025	22/04/2025	-	-	-	8.05
	Standing Water Level	metres		1	22/04/2025	22/04/2025	-	-	-	8.44
18	Conductivity	µS/cm	Six Monthly (April & Oct)	1	15/04/2025	15/04/2025	-	-	-	2360
	Lead	mg/L		1	15/04/2025	15/04/2025	-	-	-	<0.001
	pH	pH		1	15/04/2025	15/04/2025	-	-	-	7.64
	Standing Water Level	metres		1	15/04/2025	15/04/2025	-	-	-	7.94

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
19	Conductivity	µS/cm	Six Monthly (April & Oct)	1	24/04/2025	24/04/2025	-	-	-	4890
	Lead	mg/L		1	24/04/2025	24/04/2025	-	-	-	<0.001
	pH	pH		1	24/04/2025	24/04/2025	-	-	-	6.32
	Standing Water Level	metres		1	24/04/2025	24/04/2025	-	-	-	16.50
22	Conductivity	µS/cm	Six Monthly (April & Oct)	1	24/04/2025	24/04/2025	-	-	-	25100
	Lead	mg/L		1	24/04/2025	24/04/2025	-	-	-	<0.001
	pH	pH		1	24/04/2025	24/04/2025	-	-	-	7.40
	Standing Water Level	metres		1	24/04/2025	24/04/2025	-	-	-	12.55

Table 4 – Monthly Attended Noise Monitoring

(Noise Limits Apply - 40dB LAeq(15min) -Day, 37dB LAeq(15min) Evening and Night; 52dB LA1(1min) -Night)

Table 4								
VCM Operational Noise Monitoring Results Leq(15min) – 28 April 2025 (Day)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	3:32 pm	37	IA	40	1.9 / 125	D	Wind (37), birds (25), VCM (IA)	No
N-AT2 / 8	1:21 pm	50	IA	40	2.4 / 171	D	Birds (50), traffic (35), VCM (IA)	No
Table 5								
VCM Operational Noise Monitoring Results Leq(15min) – 28 April 2025 (Evening)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	9:23 pm	35	27	35	1.7 / 97	D	Wind (32), traffic (28), VCM (27)	No
N-AT2 / 8	8:16 pm	44	IA	37	2.5 / 100	D	Traffic (44), insects (30), VCM (IA)	No

Table 6								
VCM Operational Noise Monitoring Results Leq(15min) – 28 April 2025 (Night)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	10:01 pm	37	24	35	2.6 / 70	E	Plane (36), Traffic (26), VCM (24)	No
N-AT2 / 8	11:41 pm	38	<20	37	2.5 / 9	E	Traffic (37), insects (28) VCM (<20)	No

Table 7								
VCM Operational Noise Monitoring Results LA _{max} – 28 April 2025								
Location	Time	dB(A), LA _{max}	VCM Contribution dB(A), LA _{max}	Criterion dB(A), LA _{max}	Wind speed (m/s),dir	Stability Class	LA _{max} Noise Source	Exceedance (Yes/No)
N-AT1 / 7	10:01 pm	48	32	52	2.6 / 70	E	Birds	No
N-AT2 / 8	11:41 pm	58	20	52	2.5 / 9	E	Birds	No

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-01	Blast Noise	dB (Lin Peak)	Every Blast	6	97.2	102.90	N/A	Nil	15/04/2025
	Blast Vibration	mm/s	Every Blast	6	0.34	0.70	N/A	Nil	15/04/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-02	Blast Noise	dB (Lin Peak)	Every Blast	6	102.00	107.50	N/A	Nil	15/04/2025
	Blast Vibration	mm/s	Every Blast	6	0.81	1.24	N/A	Nil	15/04/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-03	Blast Noise	dB (Lin Peak)	Every Blast	6	96.18	109.70	120	N/A	15/04/2025
	Blast Vibration	mm/s	Every Blast	6	0.15	0.29	10	N/A	29/04/2025

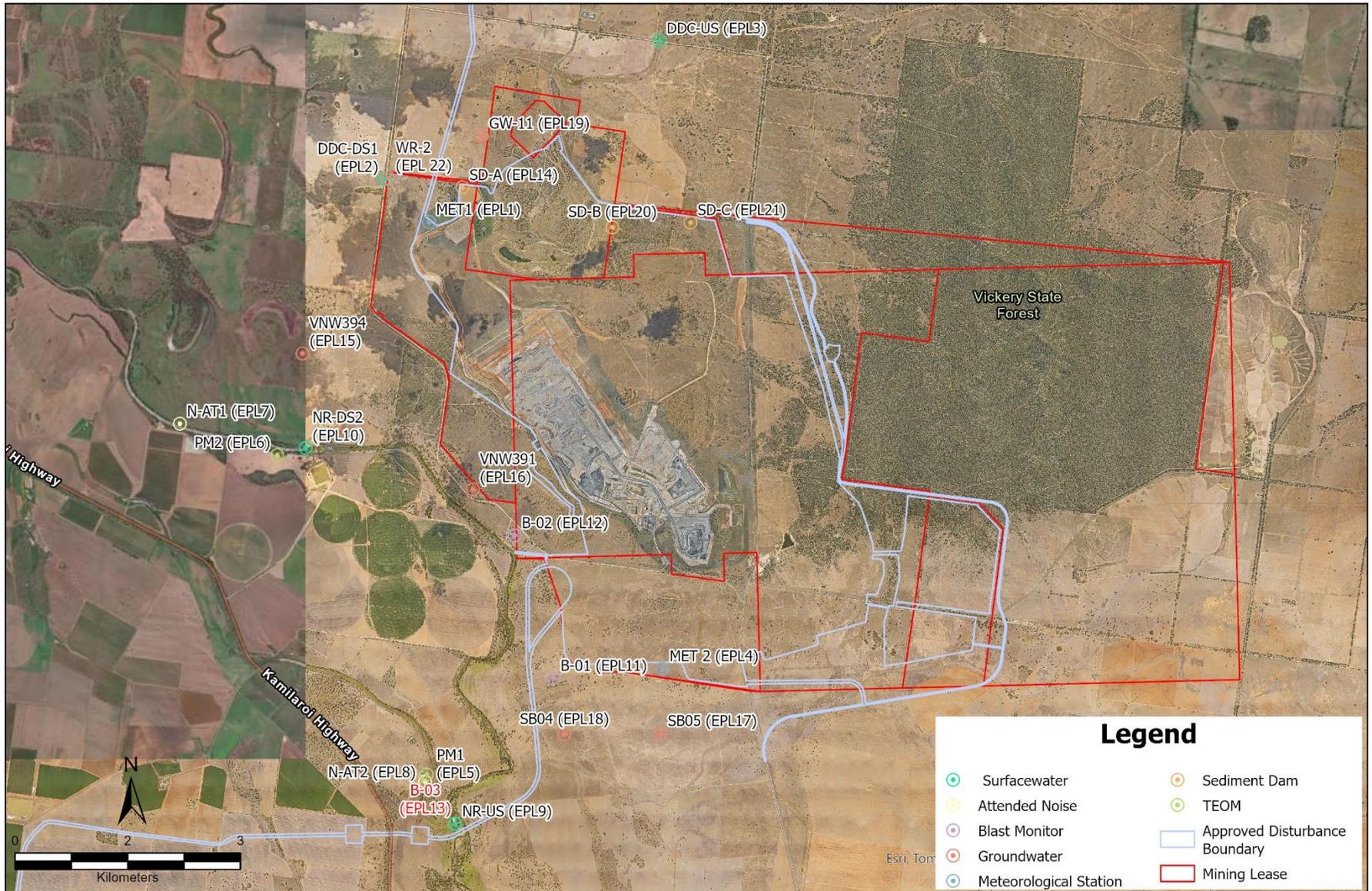
Table 6- PM1 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.2	8.3	16.8
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	0.7	4.1	8.7

Table 7- PM2 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.5	11.4	27.4
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	0.8	4.1	7.5

Figure 1 – EPL 21283 Monitoring Locations



**Vickers Coal Mine
EPL Monitoring Locations**

Date: Nov 2024 Scale: 1:60,000
MGA Zone 56 Author: A. Quiroz



VICKERY COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 21283

EPA Website Link:

<https://whitehavencoal.com.au/Documentations/Vickery%20Extension%20Project/Approvals/Environment%20Protection%20Licence/VIC%20-%20Environmental%20Protection%20Licence.pdf?v=1702936903>

Licensee: Vickery Coal Pty Ltd

Licensee Address: Vickery Coal Mine, Blue Vale Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: May 2025

Obtained Date: 24/06/2025

Publication Date: 24/06/2025

Name	Role	Signature	Date
Megan Martin	Environmental Superintendent	DocuSigned by: 	26 June 2025

Table 1: Surface Water – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comment/s
2	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
3	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
9	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
10	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	

Table 2: Surface Water - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed -ance (Yes/ No)	Comment/s
14	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
20	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
21	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	

Table 3: Groundwater – No Limits apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
15	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
16	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
17	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
18	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
19	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
22	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

Table 4 – Monthly Attended Noise Monitoring

(Noise Limits Apply - 40dB LAeq(15min) -Day, 37dB LAeq(15min) Evening and Night; 52dB LA1(1min) -Night)

Table 4								
VCM Operational Noise Monitoring Results Leq(15min) – 28 May 2025 (Day)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	3:58 pm	32	IA	40	2.5 / 255	D	Wind (30), birds (27), VCM (IA)	No
N-AT2 / 8	1:45 pm	48	IA	40	2.5 / 271	D	Birds (45), traffic (45), VCM (IA)	No
Table 5								
VCM Operational Noise Monitoring Results Leq(15min) – 28 May 2025 (Evening)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	9:27 pm	32	23	35	1.0 / 273	F	Wind (30), traffic (26), VCM (23)	No
N-AT2 / 8	8:19 pm	42	IA	37	2.2 / 232	E	Traffic (41), wind (33), VCM (IA)	No

Table 6								
VCM Operational Noise Monitoring Results Leq(15min) – 28 May 2025 (Night)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	10:02 pm	35	22	35	2.9 / 300	E	Wind (34), Traffic (26), VCM (22)	No
N-AT2 / 8	11:44 pm	40	<20	37	2.7 / 290	E	Traffic (38), wind (34), VCM (<20)	No
Table 7								
VCM Operational Noise Monitoring Results LA _{max} – 28 May 2025								
Location	Time	dB(A), LA _{max}	VCM Contribution dB(A), LA _{max}	Criterion dB(A), LA _{max}	Wind speed (m/s),dir	Stability Class	LA _{max} Noise Source	Exceedance (Yes/No)
N-AT1 / 7	10:02 pm	42	25	52	2.9 / 300	E	Birds	No
N-AT2 / 8	11:44 pm	51	20	52	2.7 / 290	E	Highway	No

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-01	Blast Noise	dB (Lin Peak)	Every Blast	5	99.60	108.50	N/A	Nil	30/05/2025
	Blast Vibration	mm/s	Every Blast	5	0.69	1.49	N/A	Nil	30/05/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-02	Blast Noise	dB (Lin Peak)	Every Blast	5	104.56	115.10	N/A	Nil	30/05/2025
	Blast Vibration	mm/s	Every Blast	5	2.12	4.04	N/A	Nil	30/05/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-03	Blast Noise	dB (Lin Peak)	Every Blast	5	95.56	104.70	120	N/A	30/05/2025
	Blast Vibration	mm/s	Every Blast	5	0.31	0.63	10	N/A	30/05/2025

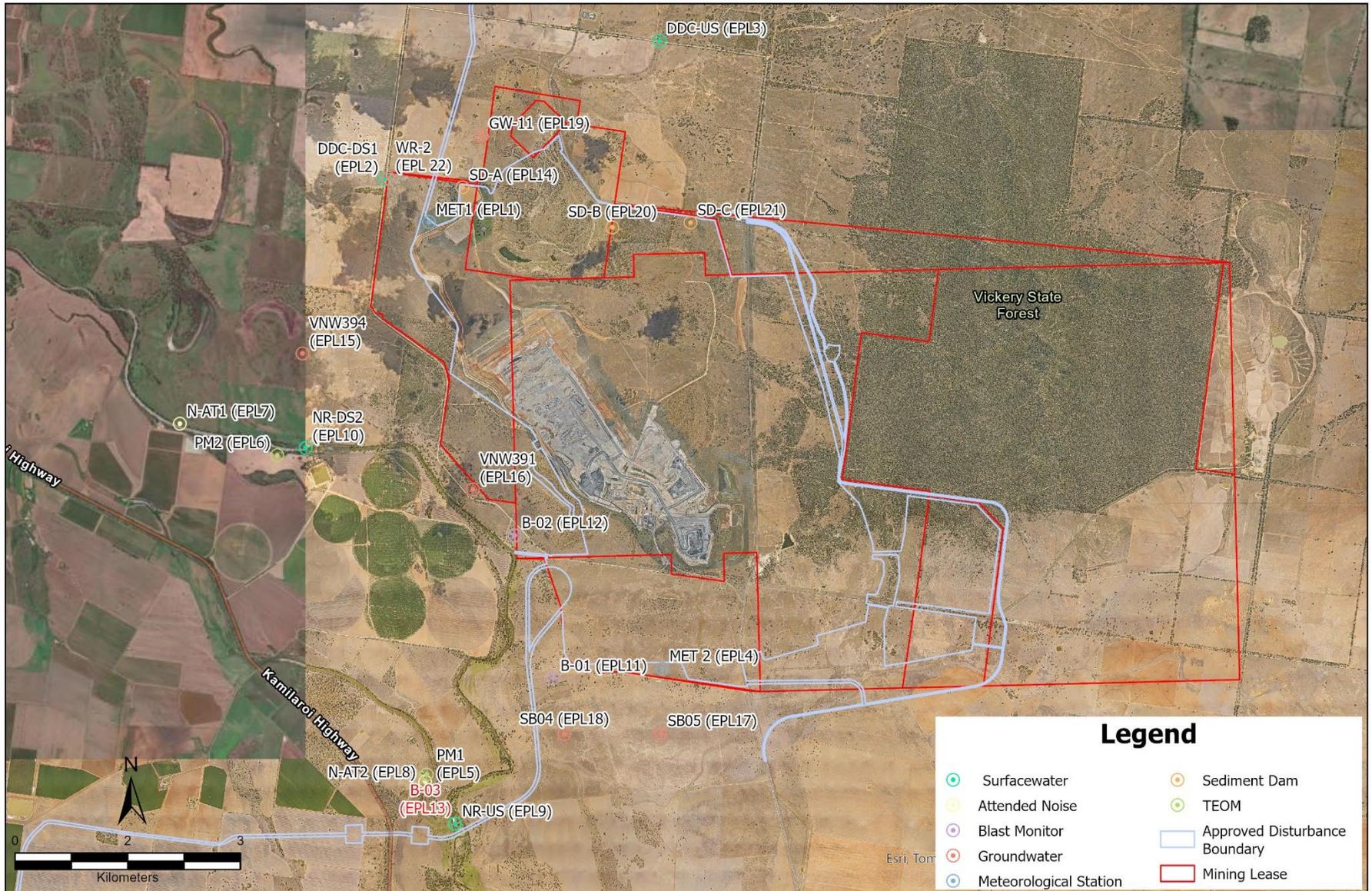
Table 6- PM1 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.5	7.5	59.3
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.2	3.2	11.0

Table 7- PM2 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.4	9.2	62.7
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	0.9	3.1	8.2

Figure 1 – EPL 21283 Monitoring Locations



**Vickery Coal Mine
EPL Monitoring Locations**

Date: Nov 2024 Scale: 1:60,000
MGA Zone 56 Author: A. Quiroz



VICKERY COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 21283

EPA Website Link:

<https://whitehavencoal.com.au/Documentations/Vickery%20Extension%20Project/Approvals/Environment%20Protection%20Licence/VIC%20-%20Environmental%20Protection%20Licence.pdf?v=1702936903>

Licensee: Vickery Coal Pty Ltd

Licensee Address: Vickery Coal Mine, Blue Vale Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: June 2025

Obtained Date: 4/07/2025

Publication Date: 16/07/2025

Name	Role	Signature	Date
Megan Martin	Environmental Superintendent	DocuSigned by: 	16 July 2025

Table 1: Surface Water – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comment/s
2	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	0	25/06/2025	-	-	-	-	-	DRY
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
3	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	0	25/06/2025	-	-	-	-	-	DRY
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
9	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	1	25/06/2025	25/06/2025	-	-	-	34	-
	Conductivity	µS/cm					-	-	-	579	
	Oil & Grease	mg/L					-	-	-	<5	
	pH	pH					-	-	-	8.32	
10	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2: Surface Water - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed -ance (Yes/ No)	Comment/s
14	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
20	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
21	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	

Table 3: Groundwater – No Limits apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
15	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
16	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
17	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
18	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
19	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
22	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

Table 4 – Monthly Attended Noise Monitoring

(Noise Limits Apply - 40dB LAeq(15min) -Day, 37dB LAeq(15min) Evening and Night; 52dB LA1(1min) -Night)

Table 4								
VCM Operational Noise Monitoring Results Leq(15min) – 06 June 2025 (Day)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	4:22 pm	31	IA	40	2.1 / 320	D	Wind (28), birds (27), VCM (IA)	No
N-AT2 / 8	2:10 pm	34	IA	40	1.9 / 348	D	Traffic (34), VCM (IA)	No
Table 5								
VCM Operational Noise Monitoring Results Leq(15min) – 06 June 2025 (Evening)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	9:24 pm	36	25	35	0.4 / 357	F	Cattle (34), traffic (29), VCM (24)	No
N-AT2 / 8	8:13 pm	34	IA	37	0.2 / 89	F	Traffic (34), wind (23), VCM (IA)	No

Table 6								
VCM Operational Noise Monitoring Results Leq(15min) – 06 June 2025 (Night)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	10:01 pm	38	22	40*	0.6 / 192	F	Cattle (36), Traffic (29), VCM (23)	No
N-AT2 / 8	11:47 pm	40	<20	42*	0.6 / 235	F	Traffic (40), VCM (<20)	No

Table 7								
VCM Operational Noise Monitoring Results LA _{max} – 06 June 2025								
Location	Time	dB(A), LA _{max}	VCM Contribution dB(A), LA _{max}	Criterion dB(A), LA _{max}	Wind speed (m/s),dir	Stability Class	LA _{max} Noise Source	Exceedance (Yes/No)
N-AT1 / 7	10:01 pm	48	24	57	0.6 / 192	F	Cattle	No
N-AT2 / 8	11:47 pm	55	<20	57	0.6 / 235	F	Highway	No

* Criteria increased 5 dB due to non-compliant meteorological conditions

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-01	Blast Noise	dB (Lin Peak)	Every Blast	3	102.60	104.5	N/A	Nil	07/06/2025
	Blast Vibration	mm/s	Every Blast	3	0.85	1.59	N/A	Nil	21/06/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-02	Blast Noise	dB (Lin Peak)	Every Blast	3	106.87	107.70	N/A	Nil	13/06/2025
	Blast Vibration	mm/s	Every Blast	3	3.76	7.52	N/A	Nil	21/06/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-03	Blast Noise	dB (Lin Peak)	Every Blast	3	98.0	99.30	120	N/A	07/06/2025
	Blast Vibration	mm/s	Every Blast	3	0.52	0.87	10	N/A	21/06/2025

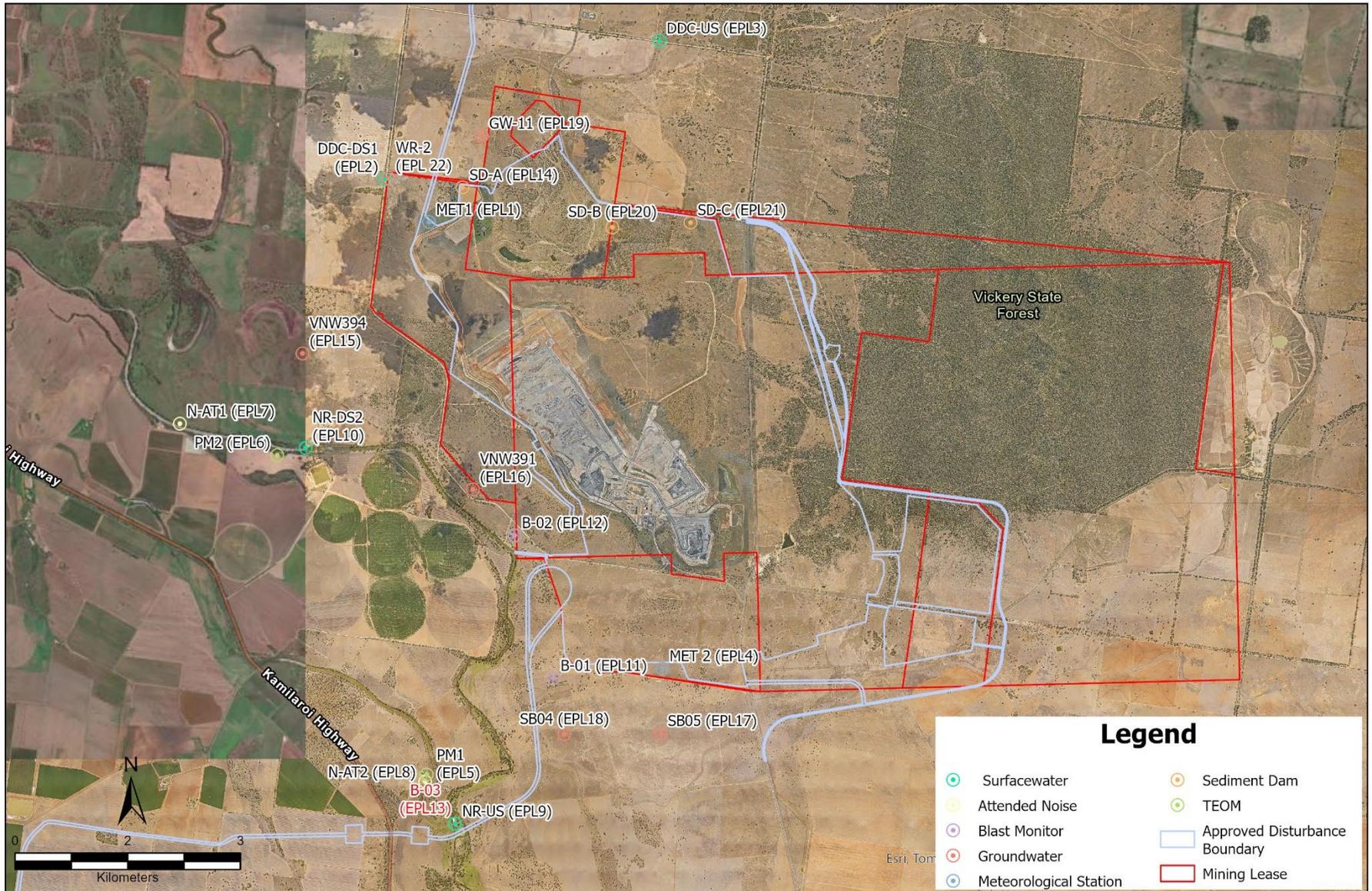
Table 6- PM1 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.9	6.5	14.9
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.3	3.7	13.2

Table 7- PM2 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	3.6	7.2	16.0
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.4	3.8	13.8

Figure 1 – EPL 21283 Monitoring Locations



**Vickers Coal Mine
EPL Monitoring Locations**

Date: Nov 2024 Scale: 1:60,000
MGA Zone 56 Author: A. Quiroz



VICKERY COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 21283

EPA Website Link:

<https://whitehavencoal.com.au/Documentations/Vickery%20Extension%20Project/Approvals/Environment%20Protection%20Licence/VIC%20-%20Environmental%20Protection%20Licence.pdf?v=1702936903>

Licensee: Vickery Coal Pty Ltd

Licensee Address: Vickery Coal Mine, Blue Vale Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: July 2025

Obtained Date: 21/08/2025

Publication Date: 21/08/2025

Name	Role	Signature	Date
Megan Martin	Environmental Superintendent	DocuSigned by:  524CD8D3818B4C3...	21 August 2025

Table 1: Surface Water – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comment/s
2	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	0	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
3	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	0	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
9	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
10	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	-		
	Oil & Grease	mg/L		-	-	-	-	-	-		
	pH	pH		-	-	-	-	-	-		

Table 2: Surface Water - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed -ance (Yes/ No)	Comment/s
14	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
20	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
21	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	

Table 3: Groundwater – No Limits apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
15	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
16	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
17	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
18	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
19	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
22	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

Table 4 – Monthly Attended Noise Monitoring

(Noise Limits Apply - 40dB LAeq(15min) -Day, 37dB LAeq(15min) Evening and Night; 52dB LA1(1min) -Night)

Table 4								
VCM Operational Noise Monitoring Results Leq(15min) – 28 July 2025 (Day)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	4:57 pm	43	<20	45*	3.2 / 267	D	Birds (42), wind (32), VCM (IA)	No
N-AT2 / 8	3:19 pm	47	<20	45*	7.2 / 288	D	Traffic (47), birds (36), VCM (IA)	No
Table 5								
VCM Operational Noise Monitoring Results Leq(15min) – 28 July 2025 (Evening)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	9:33 pm	42	<20	35	1.9 / 325	F	Birds (42), traffic (31), VCM (IA)	No
N-AT2 / 8	9:42 pm	35	<20	37	2.6 / 345	E	Traffic (35), VCM (IA)	No

Table 6								
VCM Operational Noise Monitoring Results Leq(15min) – 28 July 2025 (Night)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	10:00 pm	43	<20	35	3.0 / 359	E	Birds (43), Traffic (29), VCM (IA)	No
N-AT2 / 8	10:01 pm	35	<20	37	3.0 / 359	E	Traffic (35), VCM (IA)	No

Table 7								
VCM Operational Noise Monitoring Results LA _{max} – 28 July 2025								
Location	Time	dB(A), LA _{max}	VCM Contribution dB(A), LA _{max}	Criterion dB(A), LA _{max}	Wind speed (m/s),dir	Stability Class	LA _{max} Noise Source	Exceedance (Yes/No)
N-AT1 / 7	10:00 pm	62	<20	52	3.0 / 359	E	Birds	No
N-AT2 / 8	10:01 pm	54	<20	52	3.0 / 359	E	Highway	No

* Criteria increased 5 dB due to non-compliant meteorological conditions

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-01	Blast Noise	dB (Lin Peak)	Every Blast	4	99.85	104.00	N/A	Nil	08/07/2025
	Blast Vibration	mm/s	Every Blast	4	0.59	1.05	N/A	Nil	16/07/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-02	Blast Noise	dB (Lin Peak)	Every Blast	4	102.23	104.9	N/A	Nil	08/07/2025
	Blast Vibration	mm/s	Every Blast	4	1.61	3.48	N/A	Nil	16/07/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-03	Blast Noise	dB (Lin Peak)	Every Blast	4	94.50	97.40	120	N/A	08/07/2025
	Blast Vibration	mm/s	Every Blast	4	0.28	0.50	10	N/A	16/07/2025

Table 6- PM1 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.1	6.5	13.0
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.4	3.2	6.4

Table 7- PM2 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.4	6.9	18.3
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	0.4	3.1	5.9

Figure 1 – EPL 21283 Monitoring Locations



**Vickery Coal Mine
EPL Monitoring Locations**

Date: Nov 2024 Scale: 1:60,000
MGA Zone 56 Author: A. Quiroz



VICKERY COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 21283

EPA Website Link:

<https://whitehavencoal.com.au/Documentations/Vickery%20Extension%20Project/Approvals/Environment%20Protection%20Licence/VIC%20-%20Environmental%20Protection%20Licence.pdf?v=1702936903>

Licensee: Vickery Coal Pty Ltd

Licensee Address: Vickery Coal Mine, Blue Vale Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: August 2025

Obtained Date: 2/09/2025

Publication Date: 8/09/2025

Name	Role	Signature	Date
Megan Martin	Environmental Superintendent	<small>DocuSigned by:</small>  <small>524CD8D3818B4C3...</small>	08 September 2025

Table 1: Surface Water – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comment/s
2	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	0	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
3	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	0	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
9	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
10	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	-		
	Oil & Grease	mg/L		-	-	-	-	-	-		
	pH	pH		-	-	-	-	-	-		

Table 2: Surface Water - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed -ance (Yes/ No)	Comment/s
14	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
20	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
21	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	

Table 3: Groundwater – No Limits apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
15	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
16	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
17	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
18	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
19	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
22	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

Table 4 – Monthly Attended Noise Monitoring

(Noise Limits Apply - 40dB LAeq(15min) -Day, 37dB LAeq(15min) Evening and Night; 52dB LA1(1min) -Night)

Table 4								
VCM Operational Noise Monitoring Results Leq(15min) – 13 August 2025 (Day)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	5:33 pm	48	<20	40	1.4 / 264	D	Birds (48), traffic (28), VCM (IA)	No
N-AT2 / 8	4:36 pm	51	<20	40	2.1 / 267	D	Traffic (51), frogs (34), VCM (IA)	No
Table 5								
VCM Operational Noise Monitoring Results Leq(15min) – 13 August 2025 (Evening)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	8:40 pm	42	<20	35	0.6 / 189	F	Cattle (40), traffic (35), VCM (IA)	No
N-AT2 / 8	9:40 pm	39	<20	37	1.4 / 306	E	Traffic (39), VCM (IA)	No

Table 6								
VCM Operational Noise Monitoring Results Leq(15min) – 13 August 2025 (Night)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	10:57 pm	37	<20	35	0.5 / 39	F	Birds (37), VCM (24)	No
N-AT2 / 8	10:02 pm	42	<20	37	0.8 / 304	F	Traffic (42), VCM (IA)	No
Table 7								
VCM Operational Noise Monitoring Results LA _{max} – 13 August 2025								
Location	Time	dB(A), LA _{max}	VCM Contribution dB(A), LA _{max}	Criterion dB(A), LA _{max}	Wind speed (m/s),dir	Stability Class	LA _{max} Noise Source	Exceedance (Yes/No)
N-AT1 / 7	10:57 pm	59	<30	52	0.5 / 39	F	Birds	No
N-AT2 / 8	10:02 pm	55	<20	52	0.8 / 304	F	Birds	No

* Criteria increased 5 dB due to non-compliant meteorological conditions

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-01	Blast Noise	dB (Lin Peak)	Every Blast	5	104.36	110.70	N/A	Nil	29/08/2025
	Blast Vibration	mm/s	Every Blast	5	1.22	2.0	N/A	Nil	29/08/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-02	Blast Noise	dB (Lin Peak)	Every Blast	5	107.5	109.9	N/A	Nil	14/08/2025
	Blast Vibration	mm/s	Every Blast	5	2.74	4.15	N/A	Nil	14/08/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-03	Blast Noise	dB (Lin Peak)	Every Blast	5	100.82	109.9	120	No	08/08/2025
	Blast Vibration	mm/s	Every Blast	5	0.41	0.56	10	No	14/08/2025

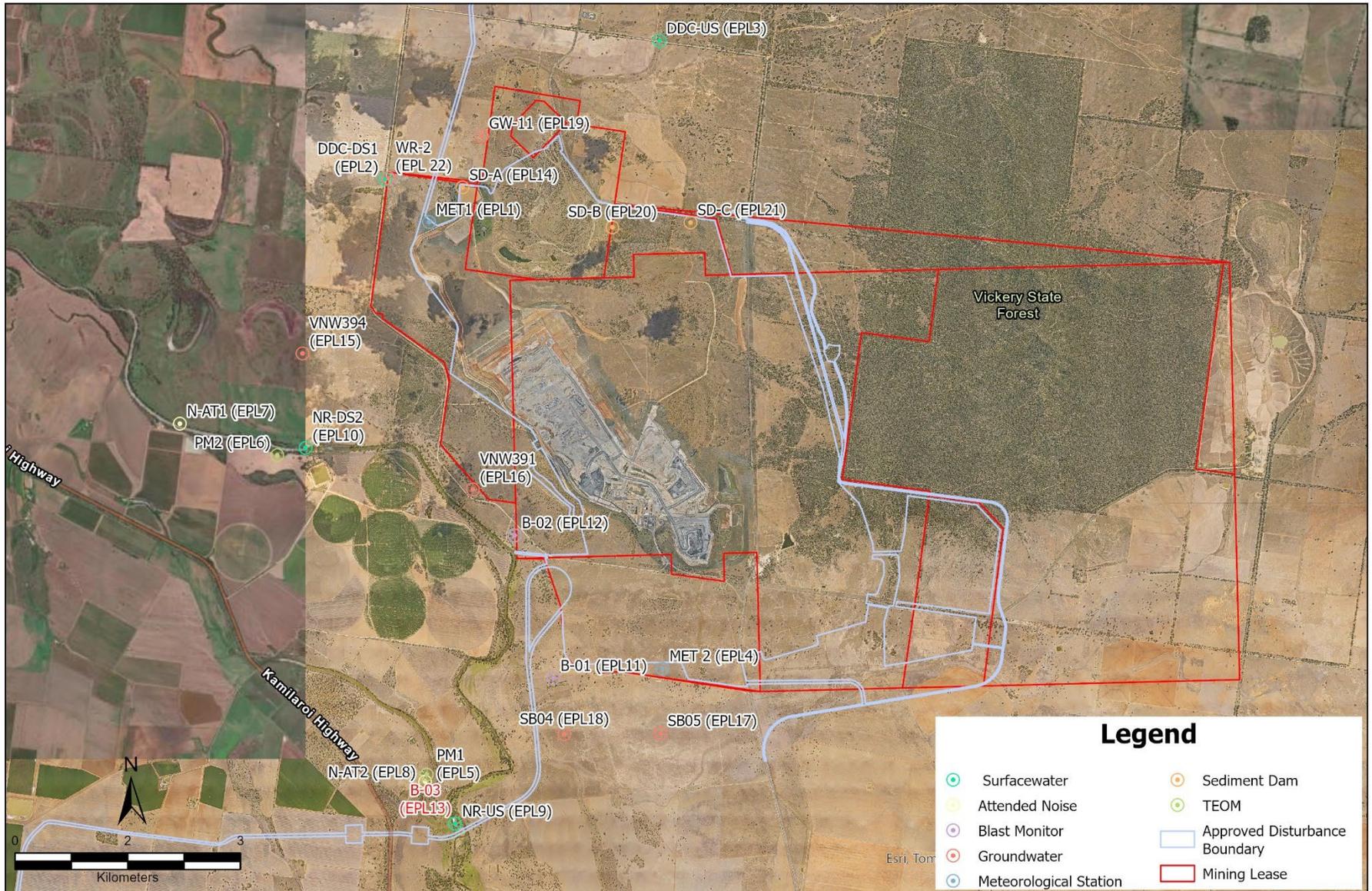
Table 6- PM1 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.9	5.0	8.0
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.4	2.9	4.8

Table 7- PM2 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	0.5	5.0	8.1
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.3	2.4	4.7

Figure 1 – EPL 21283 Monitoring Locations



**Vickers Coal Mine
EPL Monitoring Locations**

Date: Nov 2024 Scale: 1:60,000
MGA Zone 56 Author: A. Quiroz



VICKERY COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 21283

EPA Website Link:

<https://whitehavencoal.com.au/Documentations/Vickery%20Extension%20Project/Approvals/Environment%20Protection%20Licence/VIC%20-%20Environmental%20Protection%20Licence.pdf?v=1702936903>

Licensee: Vickery Coal Pty Ltd

Licensee Address: Vickery Coal Mine, Blue Vale Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: September 2025

Obtained Date: 2/10/2025

Publication Date: 7/10/2025

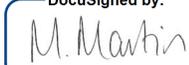
Name	Role	Signature	Date
Megan Martin	Environmental Superintendent	DocuSigned by:  <small>524CD8D3818B4C3...</small>	07 October 2025

Table 1: Surface Water – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comment/s
2	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	0	25/09/2025	-	-	-	-	-	Dry
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
3	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	0	25/09/2025	-	-	-	-	-	Dry
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
9	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	1	25/09/2025	02/10/2025	-	-	-	20	-
	Conductivity	µS/cm					-	-	-	393	
	Oil & Grease	mg/L					-	-	-	<5	
	pH	pH					-	-	-	8.35	
10	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2: Surface Water - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed -ance (Yes/ No)	Comment/s
14	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
20	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
21	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	

Table 3: Groundwater – No Limits apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
15	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
16	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
17	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
18	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
19	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
22	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

Table 4 – Monthly Attended Noise Monitoring

(Noise Limits Apply - 40dB LAeq(15min) -Day, 37dB LAeq(15min) Evening and Night; 52dB LA1(1min) -Night)

Table 4								
VCM Operational Noise Monitoring Results Leq(15min) – 16 September 2025 (Day)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	12:08 pm	48	<20	45*	5.5 / 322	D	Wind (48), VCM (IA)	No
N-AT2 / 8	11:16 am	45	<20	45*	5.5 / 344	D	Traffic (42), wind (42), VCM (IA)	No
Table 5								
VCM Operational Noise Monitoring Results Leq(15min) – 16 September 2025 (Evening)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	8:44 pm	35	<20	40*	3.9 / 27	E	Wind (33), insects (30), VCM (IA)	No
N-AT2 / 8	9:43 pm	45	<20	42*	4.1 / 21	E	Frogs (44), traffic (35), VCM (IA)	No

Table 6								
VCM Operational Noise Monitoring Results Leq(15min) – 16 September 2025 (Night)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	10:58 pm	46	<20	35	2.9 / 18	E	Frogs (46), Traffic (32), VCM (IA)	No
N-AT2 / 8	10:01 pm	42	<20	42*	4.2./21	E	Frogs (41), traffic (33), VCM (IA)	No
Table 7								
VCM Operational Noise Monitoring Results LA _{max} – 16 September 2025								
Location	Time	dB(A), LA _{max}	VCM Contribution dB(A), LA _{max}	Criterion dB(A), LA _{max}	Wind speed (m/s),dir	Stability Class	LA _{max} Noise Source	Exceedance (Yes/No)
N-AT1 / 7	10:58 pm	49	<20	52	2.9 / 18	E	Frogs	No
N-AT2 / 8	10:01 pm	53	<20	52	4.2./21	E	Birds	No

* Criteria increased 5 dB due to non-compliant meteorological conditions

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-01	Blast Noise	dB (Lin Peak)	Every Blast	4	101.85	105.10	N/A	Nil	16/09/2025
	Blast Vibration	mm/s	Every Blast	4	0.87	1.41	N/A	Nil	26/09/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-02	Blast Noise	dB (Lin Peak)	Every Blast	4	102.98	104.30	N/A	Nil	16/09/2025
	Blast Vibration	mm/s	Every Blast	4	2.86	5.64	N/A	Nil	11/09/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-03	Blast Noise	dB (Lin Peak)	Every Blast	4	96.40	101.10	120	No	16/09/2025
	Blast Vibration	mm/s	Every Blast	4	0.52	0.81	10	No	11/09/2025

Table 6- PM1 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	3.2	9.8	15.3
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.0	5.1	7.9

Table 7- PM2 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	3.0	11.3	22.3
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.1	5.4	14.4

Figure 1 – EPL 21283 Monitoring Locations



**Vickery Coal Mine
EPL Monitoring Locations**

Date: Nov 2024 Scale: 1:60,000
MGA Zone 56 Author: A. Quiroz



VICKERY COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 21283

EPA Website Link:

<https://whitehavencoal.com.au/Documentations/Vickery%20Extension%20Project/Approvals/Environment%20Protection%20Licence/VIC%20-%20Environmental%20Protection%20Licence.pdf?v=1702936903>

Licensee: Vickery Coal Pty Ltd

Licensee Address: Vickery Coal Mine, Blue Vale Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: October 2025

Obtained Date: 18/11/2025

Publication Date: 18/11/2025

Name	Role	Signature	Date
Megan Martin	Environmental Superintendent	DocuSigned by:  5246D8D3818B463...	18 November 2025

Table 1: Surface Water – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comment/s
2	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
3	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
9	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
10	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	

Table 2: Surface Water - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed -ance (Yes/ No)	Comment/s
14	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
20	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
21	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	

Table 3: Groundwater – No Limits apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
15	Conductivity	µS/cm	Six Monthly (April & Oct)	1	02/10/2025	21/10/2025	-	-	-	5580
	Lead	mg/L		1	02/10/2025	21/10/2025	-	-	-	<0.001
	pH	pH		1	02/10/2025	21/10/2025	-	-	-	7.63
	Standing Water Level	metres		1	02/10/2025	21/10/2025	-	-	-	7.28
16	Conductivity	µS/cm	Six Monthly (April & Oct)	1	02/10/2025	21/10/2025	-	-	-	2230
	Lead	mg/L		1	02/10/2025	21/10/2025	-	-	-	<0.001
	pH	pH		1	02/10/2025	21/10/2025	-	-	-	7.68
	Standing Water Level	metres		1	02/10/2025	21/10/2025	-	-	-	7.90
17	Conductivity	µS/cm	Six Monthly (April & Oct)	1	01/10/2025	21/10/2025	-	-	-	3260
	Lead	mg/L		1	01/10/2025	21/10/2025	-	-	-	<0.001
	pH	pH		1	01/10/2025	21/10/2025	-	-	-	8.05
	Standing Water Level	metres		1	01/10/2025	21/10/2025	-	-	-	7.83
18	Conductivity	µS/cm	Six Monthly (April & Oct)	1	01/10/2025	21/10/2025	-	-	-	2020
	Lead	mg/L		1	01/10/2025	21/10/2025	-	-	-	<0.001
	pH	pH		1	01/10/2025	21/10/2025	-	-	-	7.71
	Standing Water Level	metres		1	01/10/2025	21/10/2025	-	-	-	7.00

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
19	Conductivity	µS/cm	Six Monthly (April & Oct)	1	07/10/2025	21/10/2025	-	-	-	4270
	Lead	mg/L		1	07/10/2025	21/10/2025	-	-	-	<0.001
	pH	pH		1	07/10/2025	21/10/2025	-	-	-	7.06
	Standing Water Level	metres		1	07/10/2025	21/10/2025	-	-	-	16.48
22	Conductivity	µS/cm	Six Monthly (April & Oct)	1	09/10/2025	21/10/2025	-	-	-	24300
	Lead	mg/L		1	09/10/2025	21/10/2025	-	-	-	<0.001
	pH	pH		1	09/10/2025	21/10/2025	-	-	-	7.34
	Standing Water Level	metres		1	09/10/2025	21/10/2025	-	-	-	12.02

Table 4 – Monthly Attended Noise Monitoring

(Noise Limits Apply - 40dB LAeq(15min) -Day, 37dB LAeq(15min) Evening and Night; 52dB LA1(1min) -Night)

Table 4								
VCM Operational Noise Monitoring Results Leq(15min) – 31 October 2025 (Day)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	12:16 pm	37	<20	40	2.9 / 209	B	Birds (36), Traffic (27), VCM (IA)	No
N-AT2 / 8	4:18 pm	44	<20	45*	4.7 / 227	D	Traffic (43), wind (34), VCM (IA)	No
Table 5								
VCM Operational Noise Monitoring Results Leq(15min) – 31 October 2025 (Evening)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	8:40 pm	33	<20	40*	3.5 / 44	D	Insects (32), traffic (24), VCM (IA)	No
N-AT2 / 8	9:37 pm	42	<20	42*	3.8 / 61	F	Traffic (41), insects (33), VCM (IA)	No

Table 6								
VCM Operational Noise Monitoring Results Leq(15min) – 31 October 2025 (Night)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	10:54 pm	28	<20	35	2.3 / 60	D	Traffic (27), insects (20), VCM (IA)	No
N-AT2 / 8	10:00 pm	43	<20	42*	4.8 / 73	D	Traffic (42), insects (33), VCM (IA)	No

Table 7								
VCM Operational Noise Monitoring Results LA _{max} – 31 October 2025								
Location	Time	dB(A), LA _{max}	VCM Contribution dB(A), LA _{max}	Criterion dB(A), LA _{max}	Wind speed (m/s),dir	Stability Class	LA _{max} Noise Source	Exceedance (Yes/No)
N-AT1 / 7	10:54 pm	48	<20	52	2.3 / 60	D	Birds	No
N-AT2 / 8	10:00 pm	50	<20	52	4.8 / 73	D	Highway	No

* Criteria increased 5 dB due to non-compliant meteorological conditions

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-01	Blast Noise	dB (Lin Peak)	Every Blast	6	101.33	103.8	N/A	Nil	14/10/2025
	Blast Vibration	mm/s	Every Blast	6	0.62	1.65	N/A	Nil	23/10/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-02	Blast Noise	dB (Lin Peak)	Every Blast	6	86.98	105.8	N/A	Nil	14/10/2025
	Blast Vibration	mm/s	Every Blast	6	2.47	7.21	N/A	Nil	23/10/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-03	Blast Noise	dB (Lin Peak)	Every Blast	6	80.38	102.30	120	No	28/10/2025
	Blast Vibration	mm/s	Every Blast	6	0.41	0.85	10	No	23/10/2025

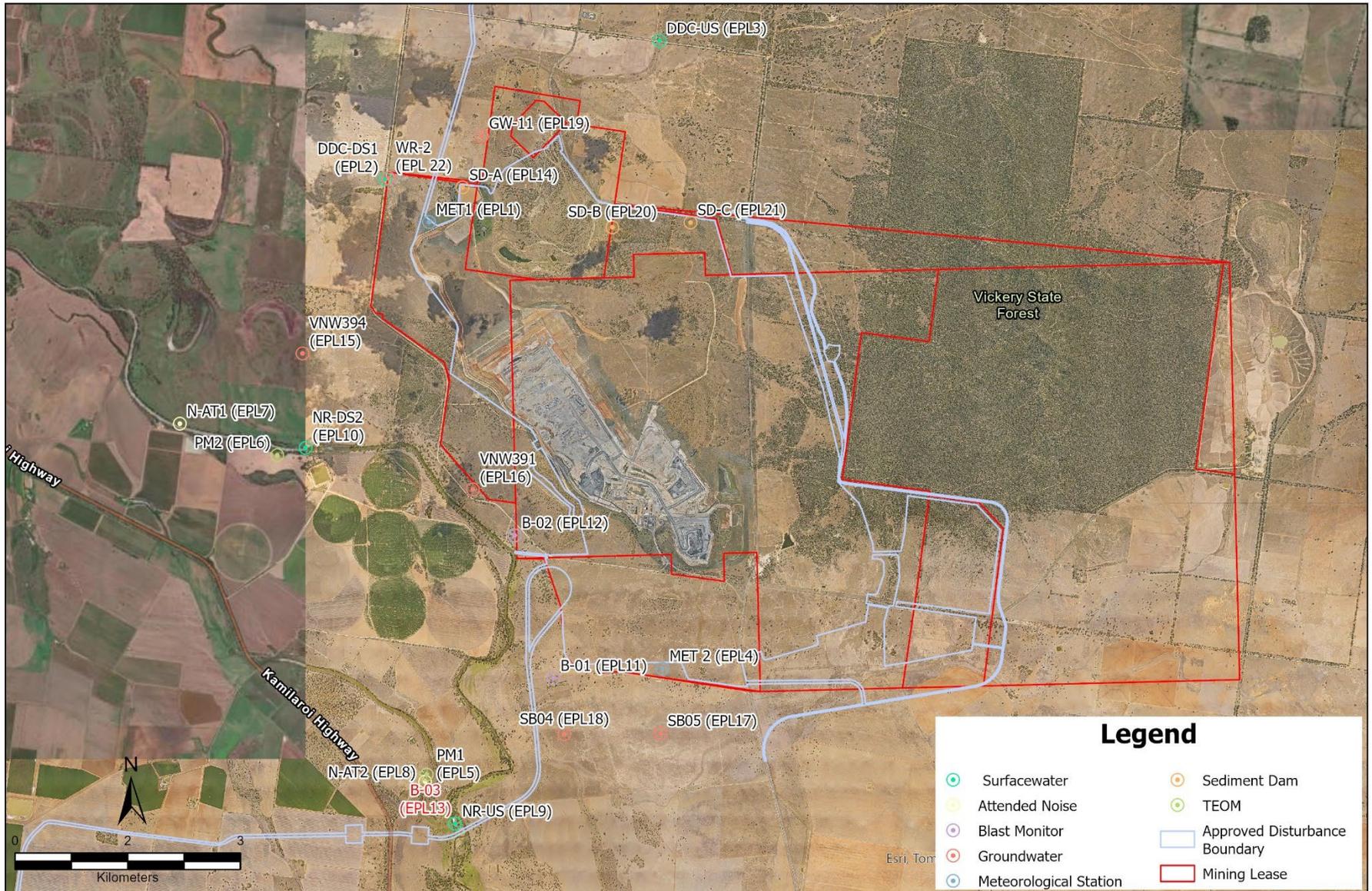
Table 6- PM1 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	5.7	16.4	43.7
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.5	7.5	22.5

Table 7- PM2 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	8.6	16.3	34.2
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.3	7.1	20.3

Figure 1 – EPL 21283 Monitoring Locations



**Vickery Coal Mine
EPL Monitoring Locations**

Date: Nov 2024 Scale: 1:60,000
MGA Zone 56 Author: A. Quiroz



VICKERY COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 21283

EPA Website Link:

<https://whitehavencoal.com.au/Documentations/Vickery%20Extension%20Project/Approvals/Environment%20Protection%20Licence/VIC%20-%20Environmental%20Protection%20Licence.pdf?v=1702936903>

Licensee: Vickery Coal Pty Ltd

Licensee Address: Vickery Coal Mine, Blue Vale Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: November 2025

Obtained Date: 15/12/2025

Publication Date: 16/12/2025

Name	Role	Signature	Date
Megan Martin	Environmental Superintendent	<small>DocuSigned by:</small>  <small>524CD8D3818B4C3...</small>	16 December 2025

Table 1: Surface Water – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comment/s
2	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
3	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
9	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	-	-	-	-	-	-	-	-
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
10	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	

Table 2: Surface Water - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed -ance (Yes/ No)	Comment/s
14	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
20	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
21	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	

Table 3: Groundwater – No Limits apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
15	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
16	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
17	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
18	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
19	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
22	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

Table 4 – Monthly Attended Noise Monitoring

(Noise Limits Apply - 40dB LAeq(15min) -Day, 37dB LAeq(15min) Evening and Night; 52dB LA1(1min) -Night)

Table 4								
VCM Operational Noise Monitoring Results Leq(15min) – 24 November 2025 (Day)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	5:22 pm	38	<20	40	306 / 1.7	D	Birds (38), Traffic (20), VCM (IA)	No
N-AT2 / 8	4:18 pm	45	<20	45*	250 / 3.1	B	Traffic (45), wind (33), VCM (IA)	No
Table 5								
VCM Operational Noise Monitoring Results Leq(15min) – 24 November 2025 (Evening)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	8:35 pm	38	<20	35	82 / 1.1	E	Insects (38), traffic (22), VCM (IA)	No
N-AT2 / 8	9:33 pm	40	<20	37	84 / 1.5	D	Traffic (37), insects (36), VCM (IA)	No

Table 6								
VCM Operational Noise Monitoring Results Leq(15min) – 24 November 2025 (Night)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	10:56 pm	31	<20	35	99 / 1.9	F	Insects (30), wind (21), VCM (IA)	No
N-AT2 / 8	10:01 pm	40	<20	37	104 / 0.7	D	Traffic (38), insects (34), VCM (IA)	No

Table 7								
VCM Operational Noise Monitoring Results LA _{max} – 24 November 2025								
Location	Time	dB(A), LA _{max}	VCM Contribution dB(A), LA _{max}	Criterion dB(A), LA _{max}	Wind speed (m/s),dir	Stability Class	LA _{max} Noise Source	Exceedance (Yes/No)
N-AT1 / 7	10:54 pm	44	<20	52	99 / 1.9	F	Birds	No
N-AT2 / 8	10:00 pm	49	<20	52	104 / 0.7	D	Highway	No

* Criteria increased 5 dB due to non-compliant meteorological conditions

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-01	Blast Noise	dB (Lin Peak)	Every Blast	4	104.98	111.70	N/A	Nil	07/11/2025
	Blast Vibration	mm/s	Every Blast	4	0.71	1.44	N/A	Nil	13/11/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-02	Blast Noise	dB (Lin Peak)	Every Blast	4	107.90	113.30	N/A	Nil	07/11/2025
	Blast Vibration	mm/s	Every Blast	4	1.30	1.83	N/A	Nil	07/11/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-03	Blast Noise	dB (Lin Peak)	Every Blast	4	98.73	104.00	120	No	07/11/2025
	Blast Vibration	mm/s	Every Blast	4	0.36	0.69	10	No	13/11/2025

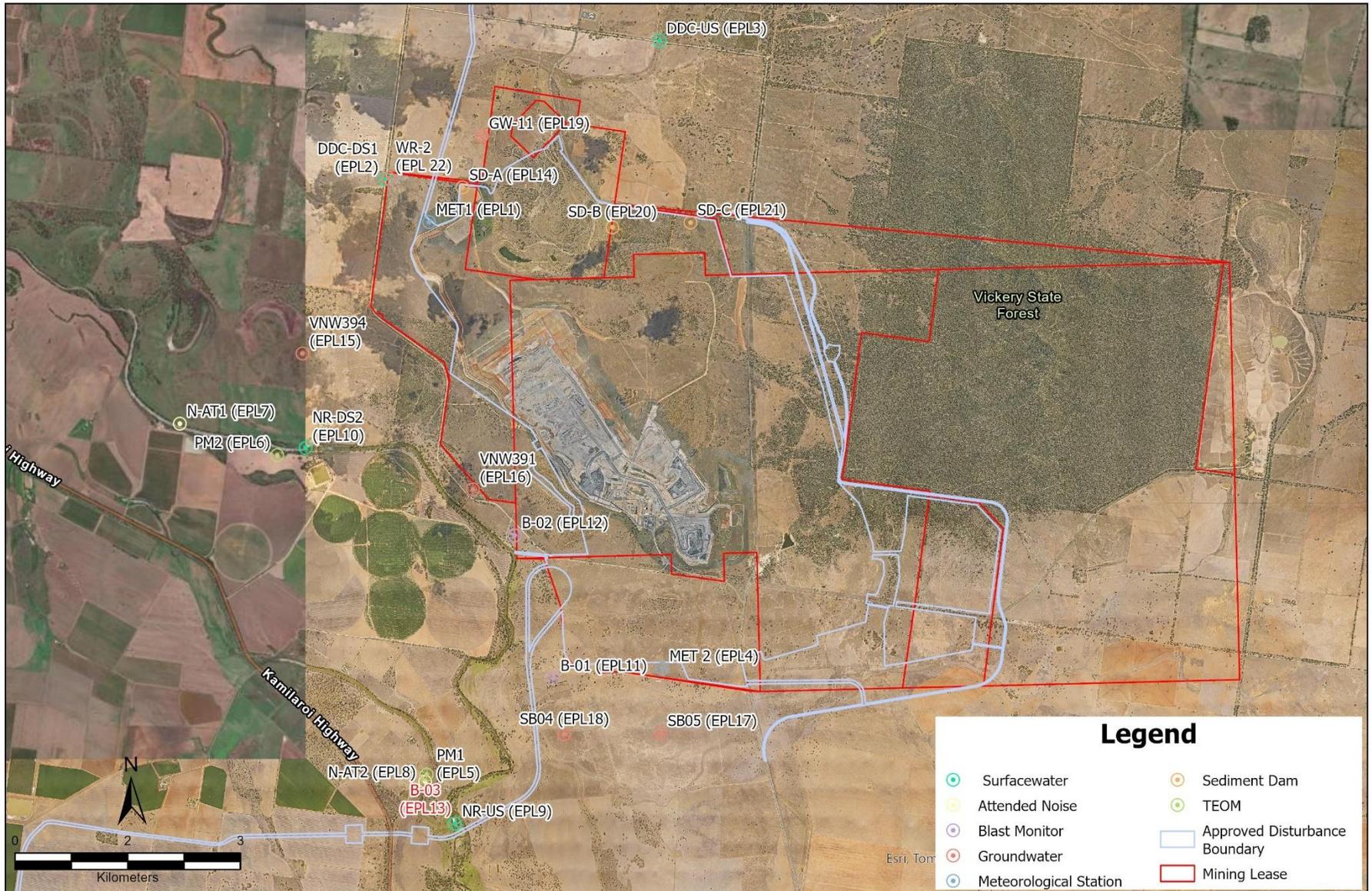
Table 6- PM1 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	5.6	13.3	23.5
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.8	6.0	13.6

Table 7- PM2 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	7.5	14.7	24.6
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.8	6.2	14.4

Figure 1 – EPL 21283 Monitoring Locations



**Vickers Coal Mine
EPL Monitoring Locations**

Date: Nov 2024 Scale: 1:60,000
MGA Zone 56 Author: A. Quiroz



VICKERY COAL MINE – MONTHLY MONITORING SUMMARY

Site Information

EPL No: 21283

EPA Website Link:

<https://whitehavencoal.com.au/Documentations/Vickery%20Extension%20Project/Approvals/Environment%20Protection%20Licence/VIC%20-%20Environmental%20Protection%20Licence.pdf?v=1702936903>

Licensee: Vickery Coal Pty Ltd

Licensee Address: Vickery Coal Mine, Blue Vale Road, BOGGABRI NSW 2382

EPL Monitoring Points: See Figure 1 below

Sampling Period: December 2025

Obtained Date: 7/01/2026

Publication Date: 12/01/2026

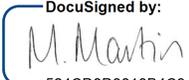
Name	Role	Signature	Date
Megan Martin	Environmental Superintendent	 DocuSigned by: M. Martin 524CD8D3818B4C3...	12 January 2026

Table 1: Surface Water – No Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value	Comment/s
2	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	0	15/12/2025	-	-	-	-	-	Dry
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
3	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	0	15/12/2025	-	-	-	-	-	Dry
	Conductivity	µS/cm					-	-	-	-	
	Oil & Grease	mg/L					-	-	-	-	
	pH	pH					-	-	-	-	
9	TSS	mg/L	Quarterly (Mar, Jun, Sep & Dec)	1	15/12/2025	23/12/2025	-	-	-	79	-
	Conductivity	µS/cm					-	-	-	394	
	Oil & Grease	mg/L					-	-	-	<5	
	pH	pH					-	-	-	8.12	
10	TSS	mg/L	Upon discharge	-	-	-	-	-	-	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	-	-	
	Oil & Grease	mg/L		-	-	-	-	-	-	-	
	pH	pH		-	-	-	-	-	-	-	

Table 2: Surface Water - Pollutant Limits Apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Month	Date Sampled	Date of Max. Value Obtained	Min Value	Max or Only Value	100%ile Limit	Exceed -ance (Yes/ No)	Comment/s
14	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
20	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA		
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	
21	TSS	mg/L	Upon discharge	-	-	-	-	-	50	-	No discharge
	Conductivity	µS/cm		-	-	-	-	-	NA	-	
	Oil & Grease	mg/L		-	-	-	-	-	10	-	
	pH	pH		-	-	-	-	-	8.5	-	

Table 3: Groundwater – No Limits apply

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
15	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
16	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
17	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
18	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

EPL ID	Pollutant	Units of Measure	Monitoring Frequency	No. of Samples for the Period	Date Sampled	Date of Max. Value Obtained	Min Value	Mean Value	Median Value	Max or Only Value
19	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-
22	Conductivity	µS/cm	Six Monthly (April & Oct)	-	-	-	-	-	-	-
	Lead	mg/L		-	-	-	-	-	-	-
	pH	pH		-	-	-	-	-	-	-
	Standing Water Level	metres		-	-	-	-	-	-	-

Table 4 – Monthly Attended Noise Monitoring

(Noise Limits Apply - 40dB LAeq(15min) -Day, 37dB LAeq(15min) Evening and Night; 52dB LA1(1min) -Night)

Table 4								
VCM Operational Noise Monitoring Results Leq(15min) – 9 December 2025 (Day)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	4:56 pm	32	<20	40	13 / 0.8	N/A	Birds (32), VCM (IA)	No
N-AT2 / 8	3:50 pm	41	<20	40	302 / 1.9	N/A	Traffic (41), wind (30), VCM (IA)	No
Table 5								
VCM Operational Noise Monitoring Results Leq(15min) – 9 December 2025 (Evening)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	8:40 pm	29	<20	35	75 / 1.9	N/A	Insects (28), Wind (23), VCM (IA)	No
N-AT2 / 8	9:42 pm	38	<20	37	86 / 0.6	N/A	Traffic (36), insects (33), VCM (IA)	No

Table 6								
VCM Operational Noise Monitoring Results Leq(15min) – 9 December 2025 (Night)								
Location	Time	dB(A), Leq	VCM Contribution dB(A),Leq	Criterion dB(A),Leq	Wind speed (m/s),dir	Stability Class	Identified Noise Sources dB(A),Leq	Exceedance (Yes/No)
N-AT1 / 7	10:53 pm	31	<20	35	255 / 1.2	N/A	Insects (31), wind (20), VCM (IA)	No
N-AT2 / 8	10:00 pm	38	<20	37	302 / 0.1	N/A	Traffic (37), insects (31), VCM (IA)	No
Table 7								
VCM Operational Noise Monitoring Results LA _{max} – 9 December 2025								
Location	Time	dB(A), LA _{max}	VCM Contribution dB(A), LA _{max}	Criterion dB(A), LA _{max}	Wind speed (m/s),dir	Stability Class	LA _{max} Noise Source	Exceedance (Yes/No)
N-AT1 / 7	10:53 pm	43	<20	52	255 / 1.2	N/A	Birds	No
N-AT2 / 8	10:00 pm	44	<20	52	302 / 0.1	N/A	Highway	No

* Criteria increased 5 dB due to non-compliant meteorological conditions

Table 5 – Monthly Monitoring (Blasts – Limits Apply)

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-01	Blast Noise	dB (Lin Peak)	Every Blast	4	102.3	106.2	N/A	Nil	11/12/2025
	Blast Vibration	mm/s	Every Blast	4	1.03	2.09	N/A	Nil	22/12/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-02	Blast Noise	dB (Lin Peak)	Every Blast	4	106.23	118.5	N/A	Nil	11/12/2025
	Blast Vibration	mm/s	Every Blast	4	1.77	3.48	N/A	Nil	22/12/2025

Location	Parameter	Units of Measure	Frequency	No. of Blasts for the Month	Average Value	Max Value	100%ile Limit	(Potential) Non-compliance /breach	Date of Max. Value Obtained
B-03	Blast Noise	dB (Lin Peak)	Every Blast	4	93.90	103.20	120	No	11/12/2025
	Blast Vibration	mm/s	Every Blast	4	0.47	0.70	10	No	22/12/2025

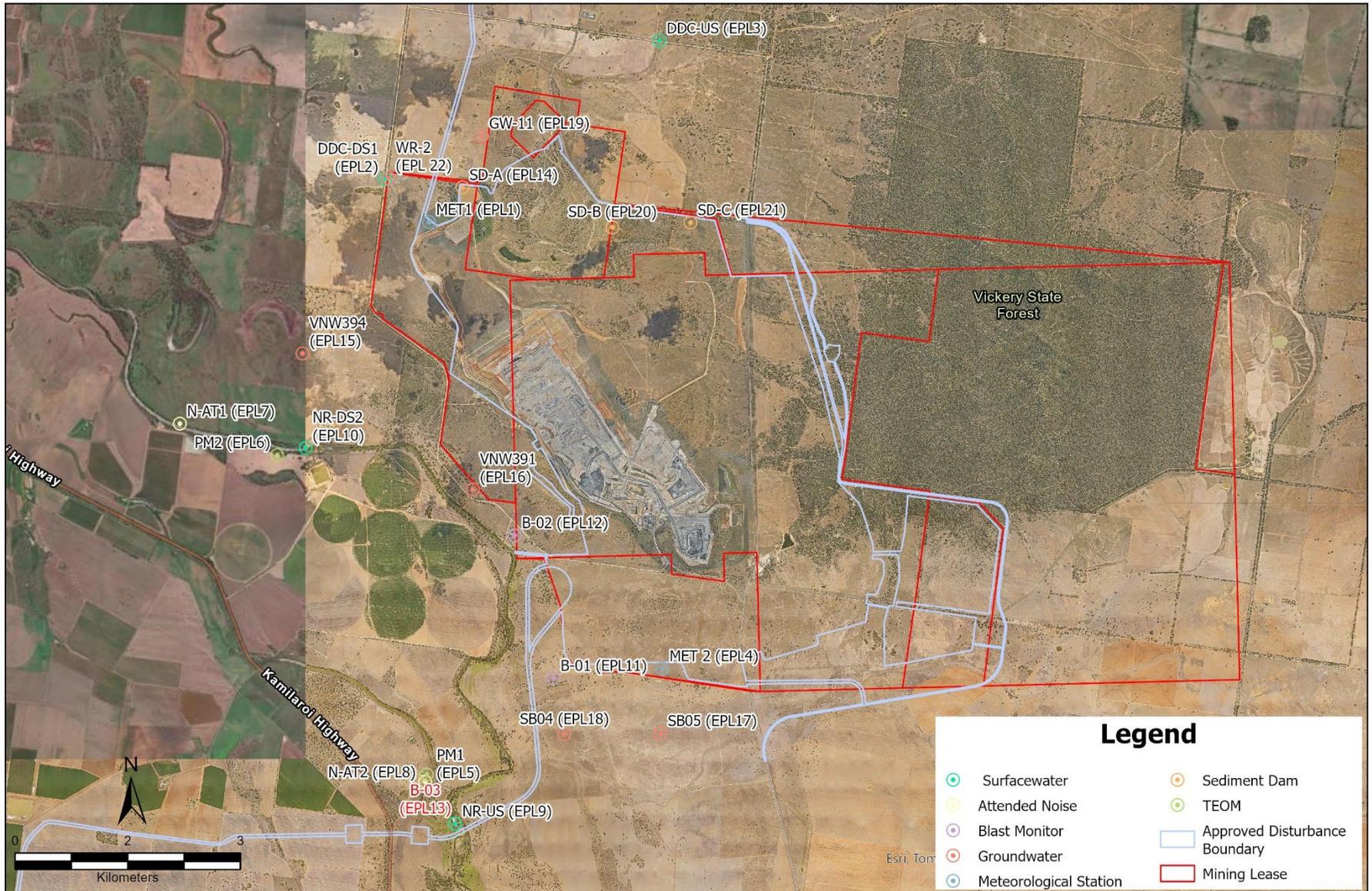
Table 6- PM1 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	0.9	9.3	23.2
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	1.6	5.6	10.4

Table 7- PM2 Monthly Monitoring (Limits apply)

Location	No. of samples required by licence	Lowest sample value	Mean of sample	Highest sample value
PM10 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	4.6	14.5	35.6
PM2.5 TEOM ($\mu\text{g}/\text{m}^3$)	Continuous	2.1	7.2	14.8

Figure 1 – EPL 21283 Monitoring Locations



**Vickery Coal Mine
EPL Monitoring Locations**

Date: Nov 2024 Scale: 1:60,000
MGA Zone 56 Author: A. Quiroz