

Chain Valley and Mannering Collieries

Combined Community Consultative Committee
Meeting Presentation
17th May 2023



WELCOME AND APOLOGIES



Welcome

Apologies

Declaration of interests

Confirmation of previous minutes

- 1. Actions / Business Arising From Previous Minutes**
- 2. Correspondence**
- 3. Operations**
- 4. Approvals**
- 5. Business Arising from February CCC Meeting**
- 6. Environmental Incidents / Non-compliances**
- 7. Environmental Performance**
- 8. Community Complaints & Enquiries**
- 9. Update on Sewer Connection Projects**

ACTIONS / BUSINESS ARISING FROM PREVIOUS MINUTES



Action / Business Arising	Action Owner	Update
Update on Consent Consolidation Project	LM	Slide 9
Calorific value of coal with Vales Point Power Station	LM	Slide 10
Membership of community advisory panel	MMH	To be provided

Correspondence since previous meeting

- 22/02/2023 – email to MMH to CCC on Community Advisory Panel
- 23 & 24/02/2023 – email to MY/MMH/CCC on MY departure
- 27/02/2023 – email from MMH with DPE Chair's Annual Report on CCC

OPERATIONS

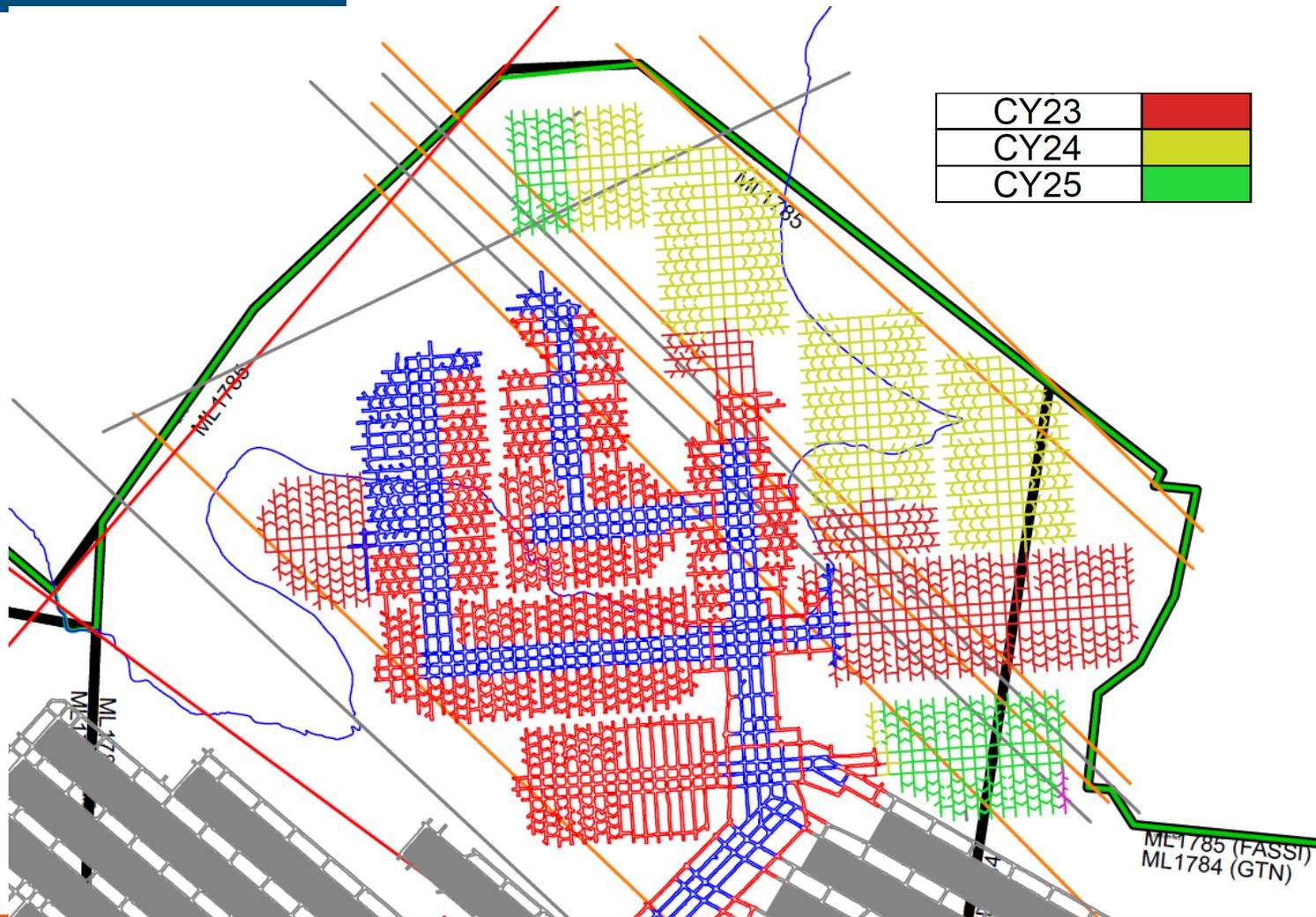
Production

- Panels HBW5 ceased early due to geological conditions (regional scale faulting).
- Set-up and production in HBW6.
- Production in HBE2
- Driving mains for MA1 continues.
- Some first working panels added to MA1.



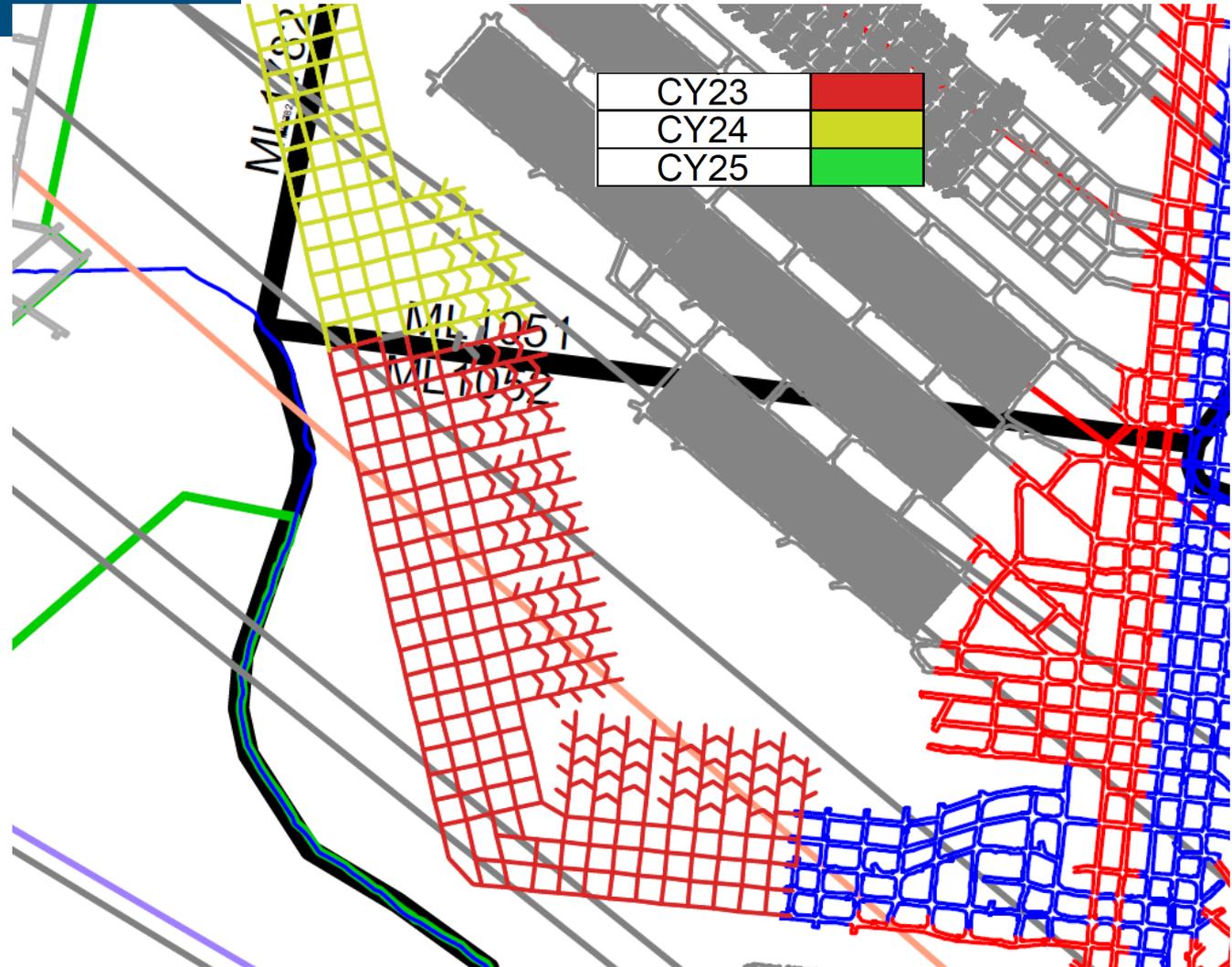
OPERATIONS

Northern Mining Area



OPERATIONS

MA1 & MA2



Current Approvals

Chain Valley Colliery

- EPL1770: Environmental Protection License - March 2023
- CVC SSD-5465 (MOD 4): Development Consent – August 2021
- Extraction Plan: MWS5 and NPA – March 2021

Mannering Colliery

- EPL 191 – Mannering Colliery – April 2021
- Mannering Colliery Project Approval PA 06_0311 (MOD 5) – June 2020

CONSENT CONSOLIDATION PROJECT



Delta Coal provided a response to submissions report on 21 March 2023.

A site visit was undertaken by Department of Planning and Environment (DPE) Representatives on 2 May 2023.

The DPE has provided a request for information during their assessment process. Further steps to occur in the approval process are:

State Significant Development

Assessment

Chain Valley Colliery Consolidation Project

Central Coast, Lake Macquarie City

Current Status: More Information Required

Interact with the stages for their names ⓘ



1. NSW DPE prepare an assessment report on the EIS
2. The approval of the project is referred to IPC
3. IPC invites an additional round of public submissions
4. IPC undertake additional consultation with stakeholders as provided
5. IPC undertake a site visit
6. IPC hold a public meeting
7. IPC makes a determination on the project

COAL CALORIFIC VALUE AND VALES POINT POWERSTATION



Vales Point Power Station was developed in alignment with coal specifications from the Fassifern Seam.

Specifically low sulfur and low nitrogen coal from Munmorah, Wyee and Newvale collieries. The coal specification impacts the design regarding boiler heat collection design, boiler size, anticipated emissions.

The average calorific value and ash content of Chain Valley Colliery product coal (Fassifern) is typically 21-24 MJ/kg with an ash content of 23-27%.



ENVIRONMENTAL INCIDENTS / NON- COMPLIANCES



Summary of Incidents and Non-compliances

Site	Date	Incident / Non-compliance Type
CVC	14 February & 20 March	Faecal Coliform Exceedance at Chain Valley Colliery Licensed Discharge Point
CVC	3 March & 3 April	Depositional Dust Gauge monthly increase Exceedance

ENVIRONMENTAL INCIDENTS / NON- COMPLIANCES

CVC DDG004 Dust Gauge Exceedances Feb-Mar and Mar-Apr

Dust Gauges CVC DDG004 exceeded the monthly increase limit ($2\text{g}/\text{m}^2/\text{month}$) but remains below the annual average limit.

The exceedance was reported to the NSW DPE and NSW EPA. Outcomes of the incident investigation noted that clean-up works of vegetation around the gauge would be undertaken to improve reliability of the dust gauge. Site operations remained usual with watercarts being used frequently on haul roads.



ENVIRONMENTAL INCIDENTS / NON- COMPLIANCES



CVC Faecal Coliform Exceedances 14 Feb & 20 Mar

The Faecal Coliform (FC) limit for CVC Licensed discharge is 200 CFU/100ml. This limit was exceeded on 14 February 2023 and 20 March 2023.

In both instances, the field samplers records indicate that the water discharging at the times of sampling was non-odorous and clear.

The samples were within secondary contact guidelines (NHMRC 2008 – Recreational Water Guidelines) for FC and Enterococcus.

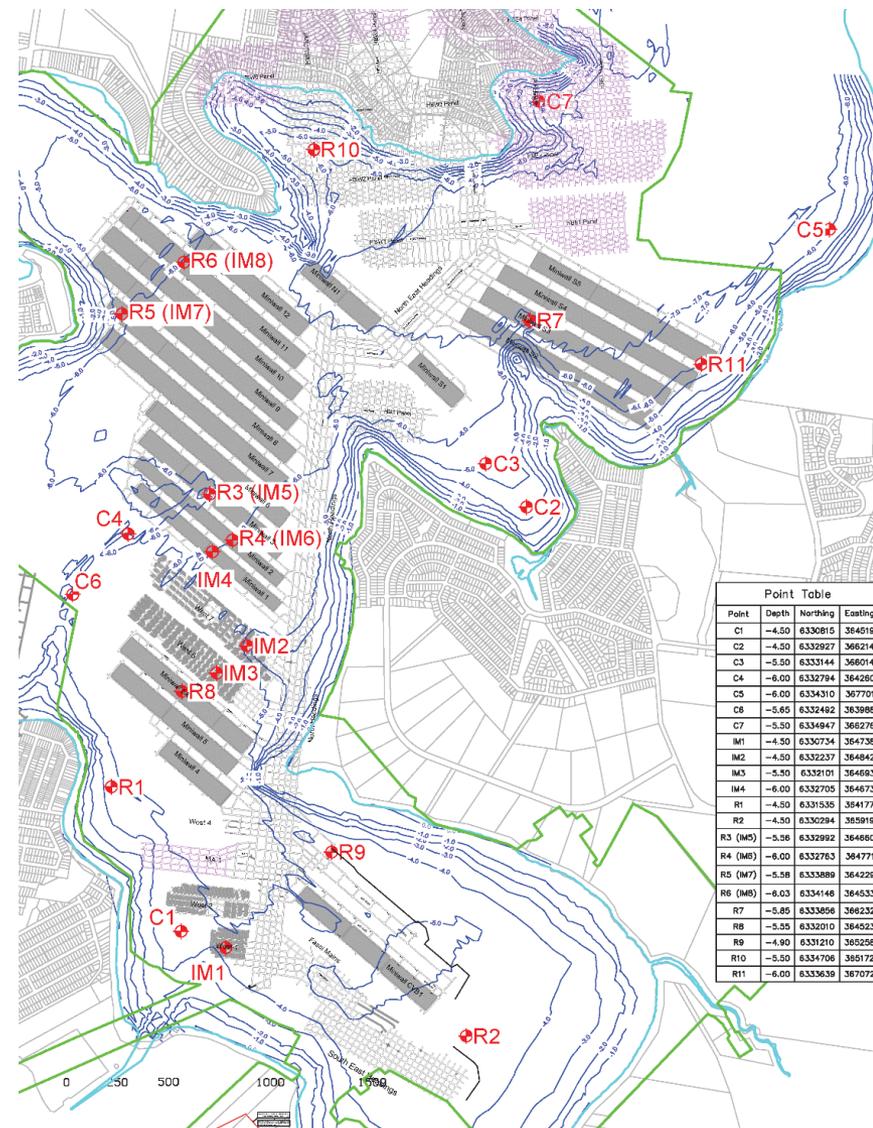


ENVIRONMENTAL PERFORMANCE

Benthic Monitoring was undertaken in March 2023 and is undertaken twice yearly (Spring and Autumn).

Results were comparative with monitoring over the previous 5 years. Monitoring over Miniwall S2-S5 (R7 and R11) have not seen observable impact in species distribution or organism volumes in relation to pre mining and post mining surveys.

Benthic monitoring reports are available on the Delta Coal website.

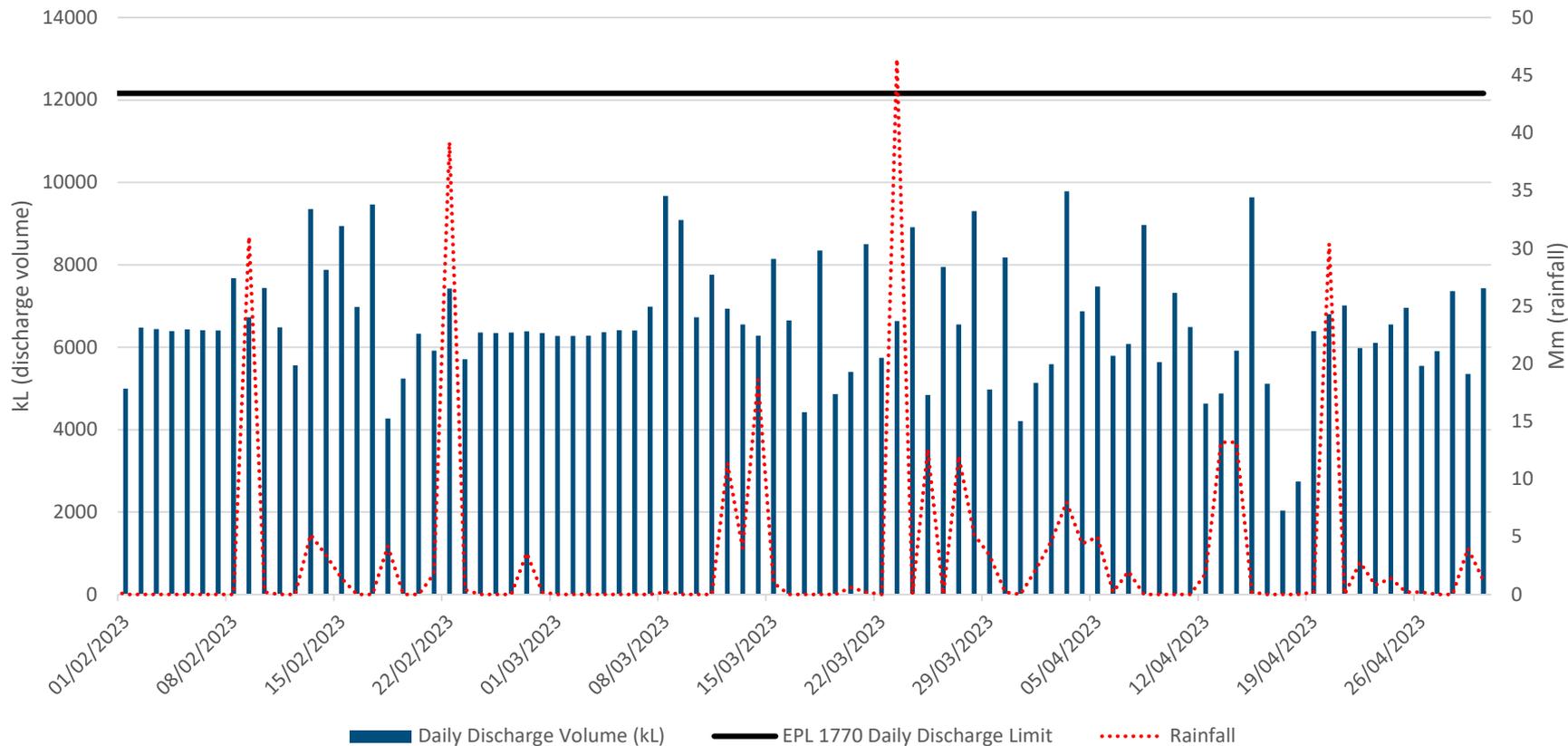


Legend

-  CVC Fassifern Seam Workings
-  Proposed Fassifern Seam Workings
-  Project Boundary
-  Lake Edge

CVC Surface Water Daily Discharge and Rainfall Volumes

CVC LDP1 Discharge



ENVIRONMENTAL PERFORMANCE

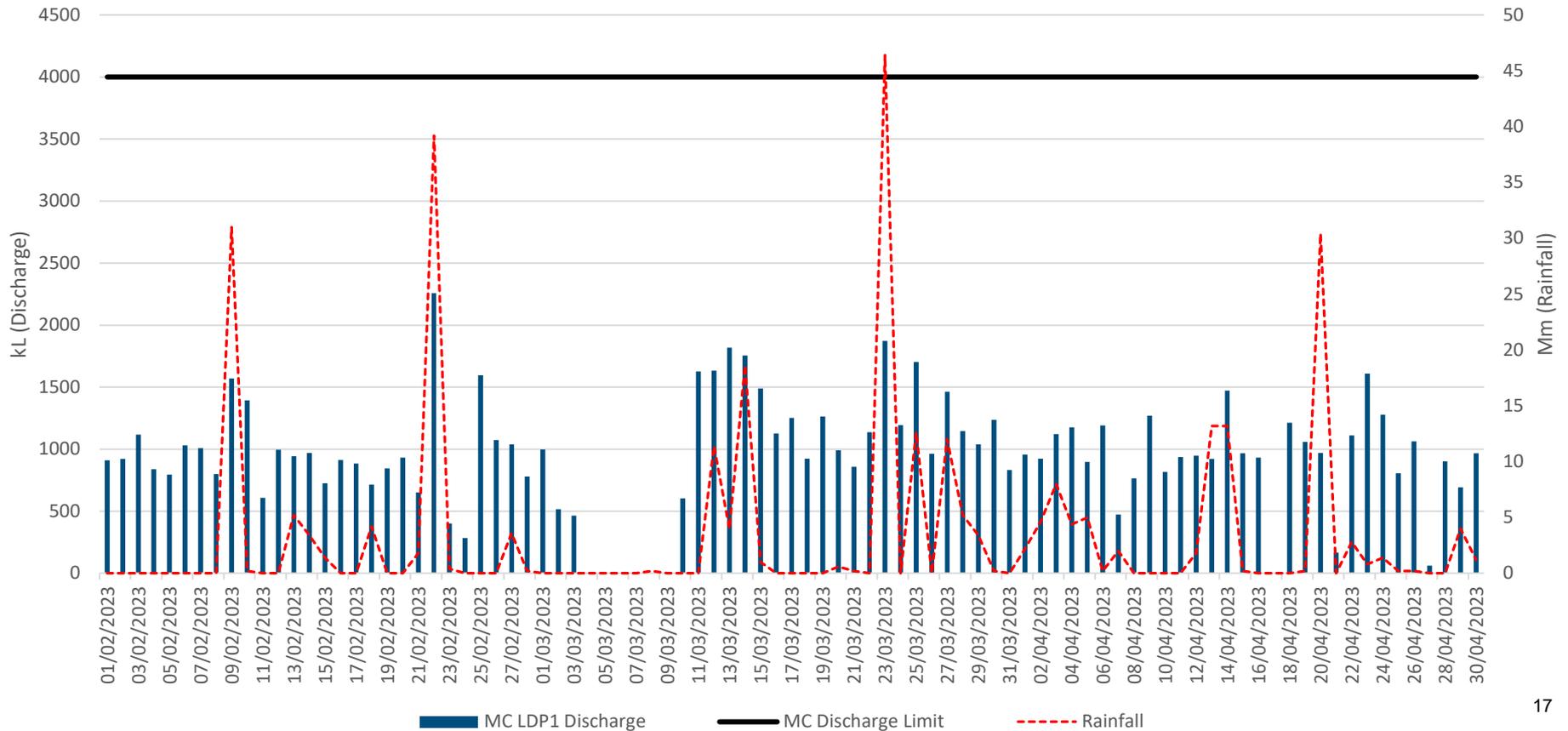


CVC Surface Water Quality Monitoring

LDP1	Limits	Feb - 2023	Mar - 2023	Apr - 2023
Faecal Coliforms (CFU/100ml)	200	240	340	200
Enterococcus CFU/100ml	40 Primary Contact (NHMRC 2008) 150 Secondary Contact (NHMRC)	82	16	38
pH (pH Units)	6.5-8.5	7.77	7.71	7.78
Total Suspended Solids (mg/kg)	50	<5	<5	<5

MC Surface Water Daily Discharge Volume and Rainfall Volumes

Manning Colliery - Surface Water Daily Discharge Volumes and Rainfall



ENVIRONMENTAL PERFORMANCE

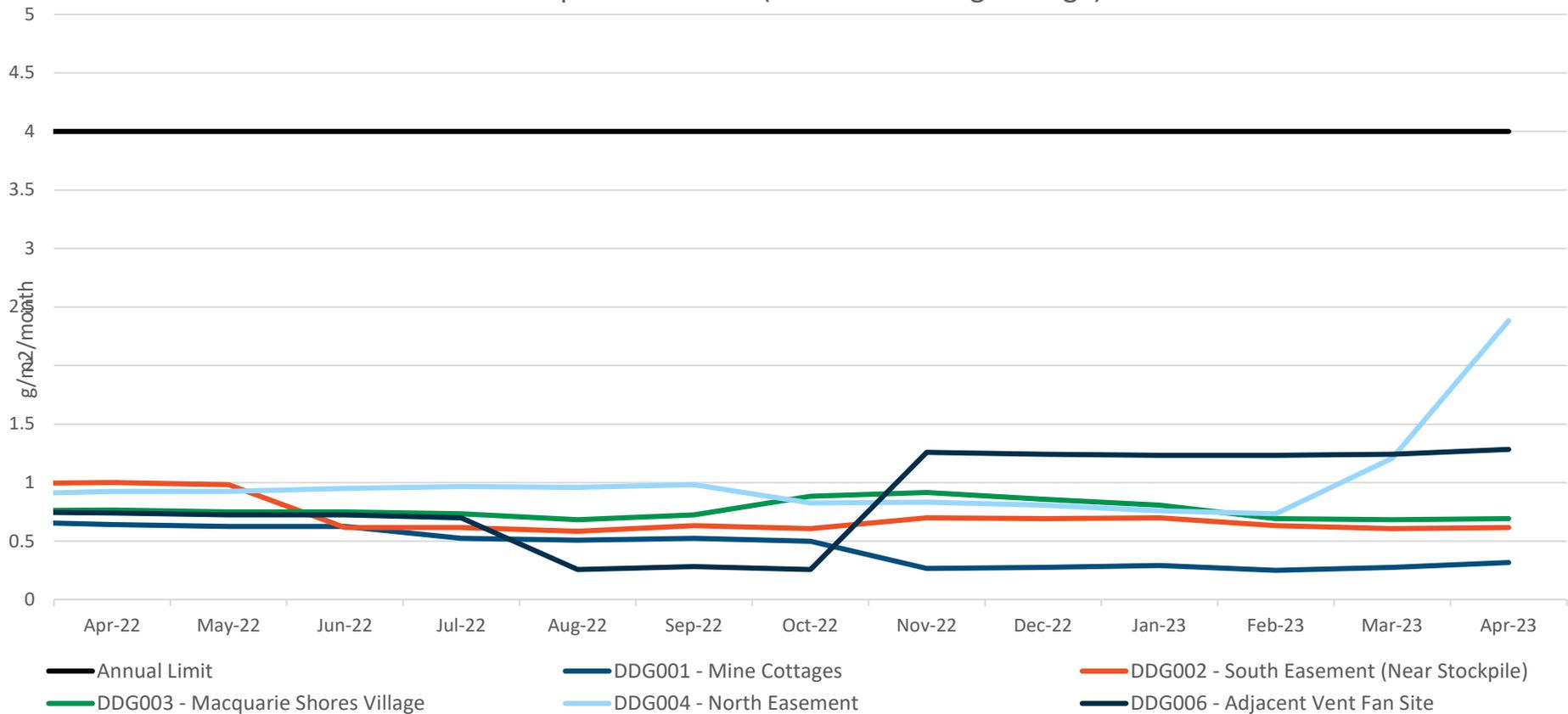


MC Surface Water Quality Monitoring

LDP1	Limits	Feb-2023 Average	Mar-2022 Average	Apr-2023 Average
Oil & Grease mg/L	10	<5	<5	<5
TSS mg/L	50	6.75	7.7	8.75
pH	6.5-8.5	7.86	7.87	7.83

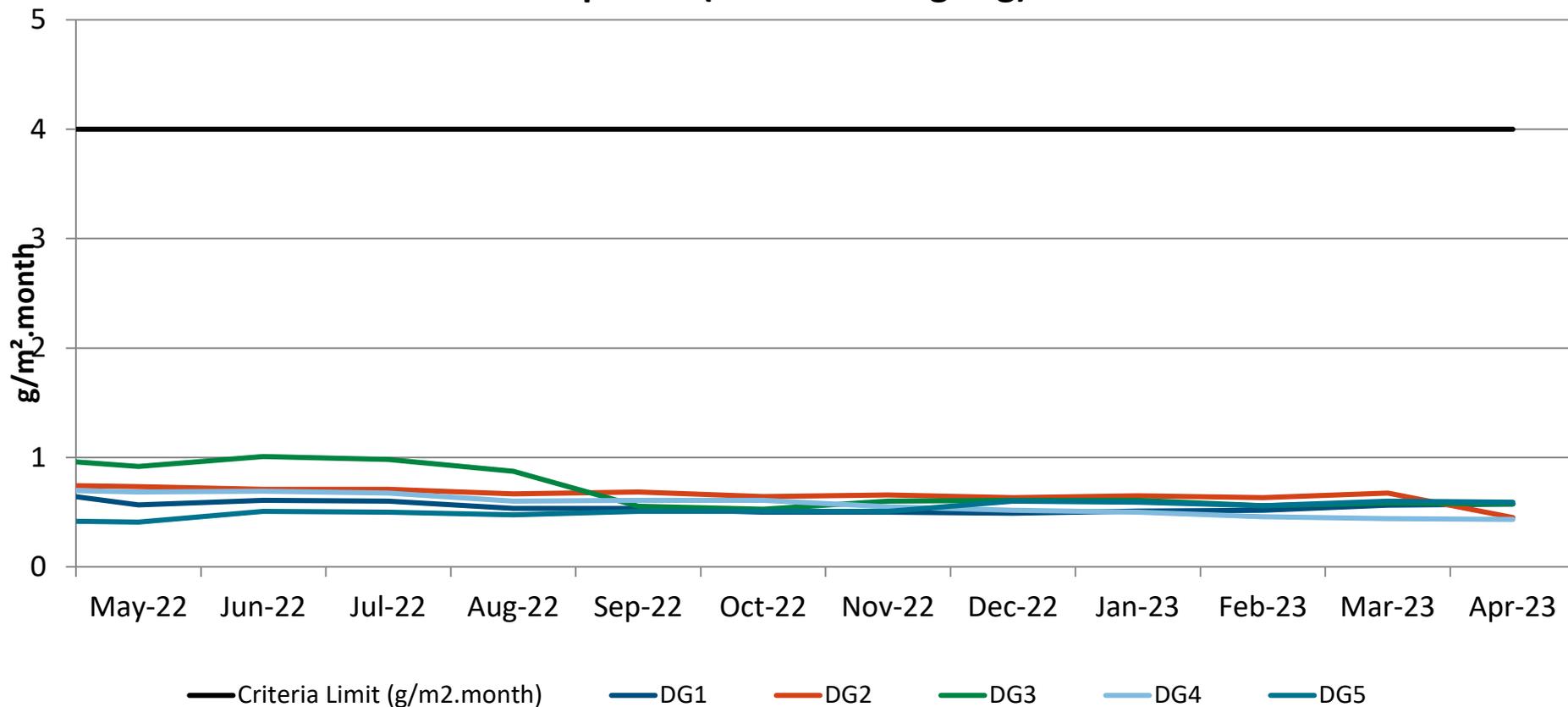
CVC Depositional Dust Monitoring

CVC Depositional Dust (12 month rolling average)



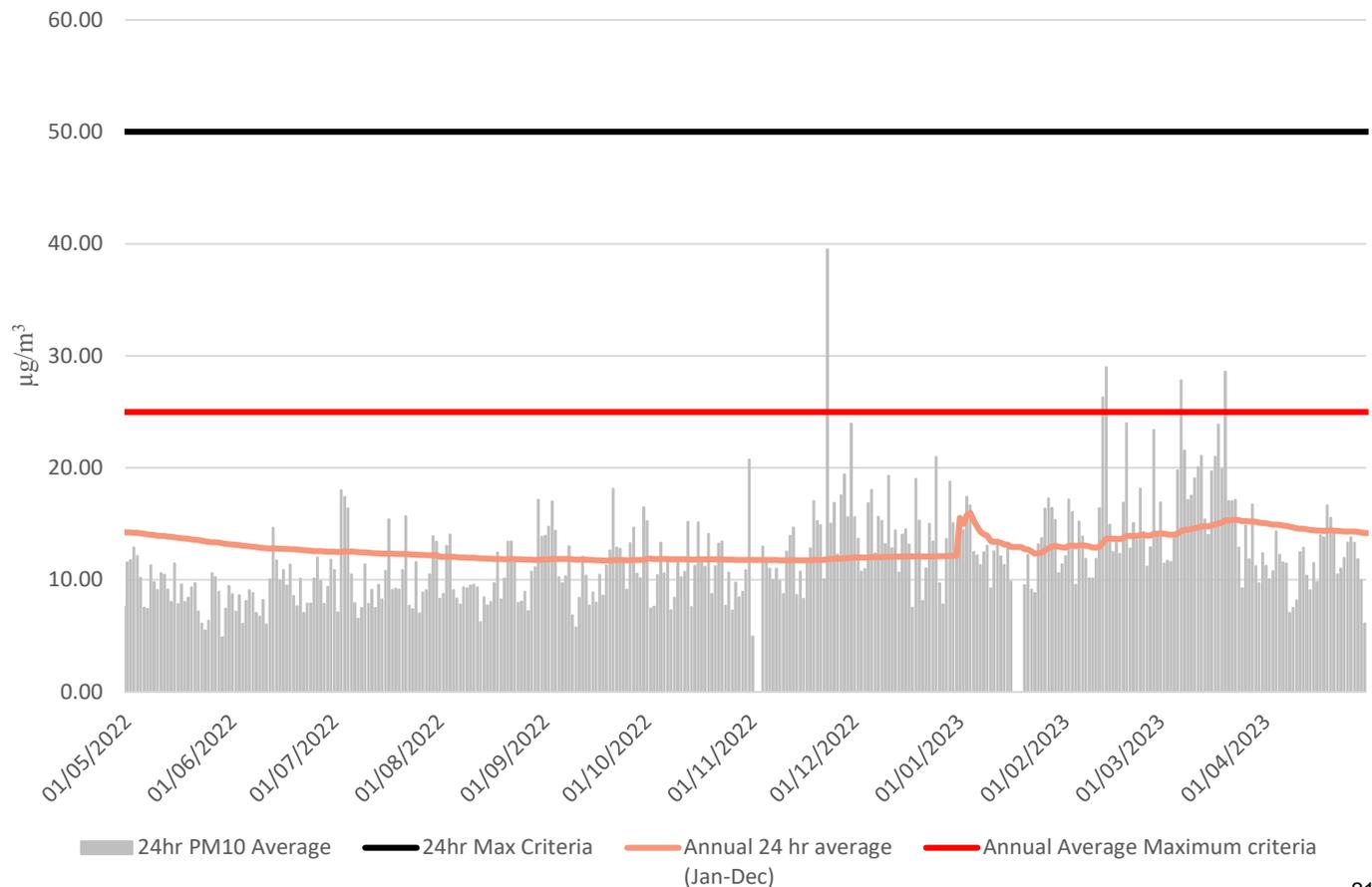
MC Depositional Dust Monitoring

Dep Dust (12 mth rolling avg)



PM₁₀ Monitoring

PM10 ($\mu\text{g}/\text{m}^3$) Monitoring (previous 12 months)



No exceedances of the average annual or 24hr criteria have been observed within the last 12 months.

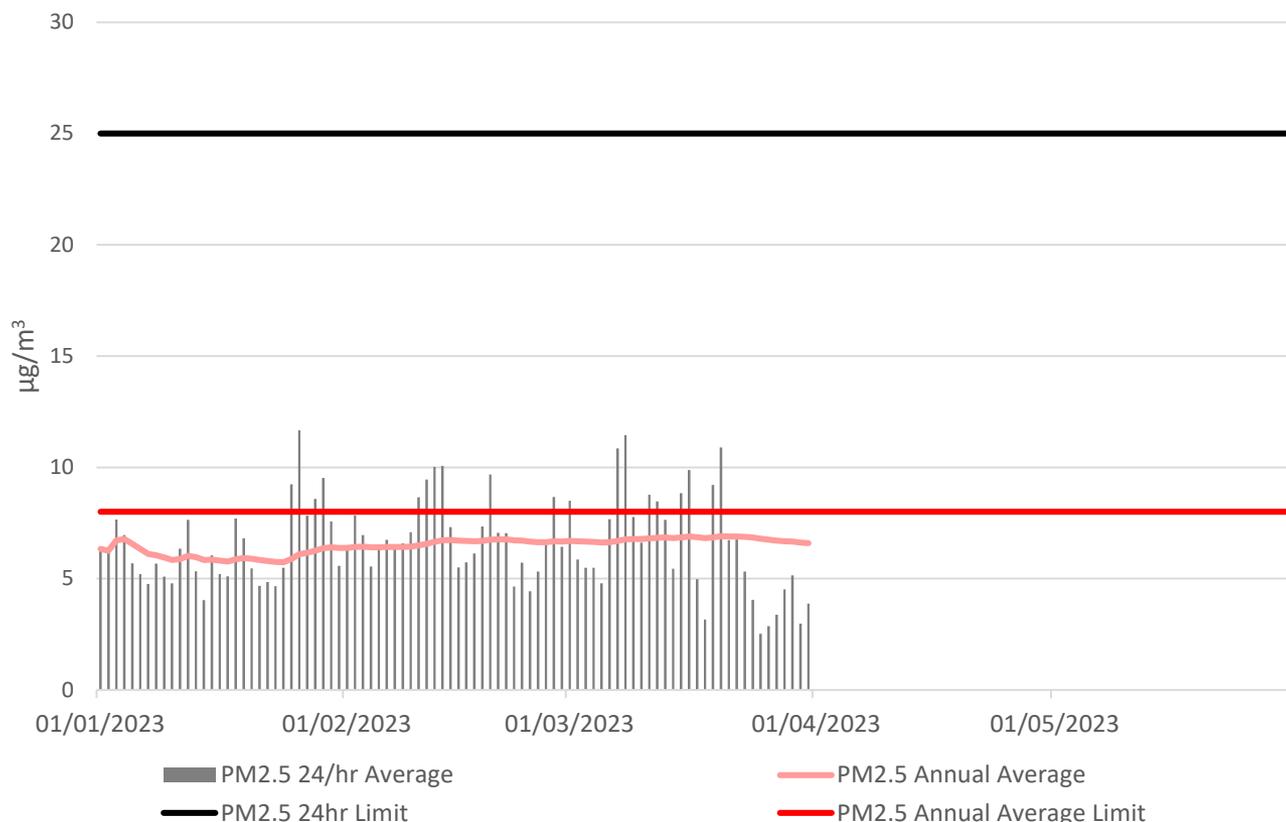
PM_{2.5} Monitoring

There were no exceedances of the PM_{2.5} daily average limit in the Feb-23 to Mar-23 period.

The 12-month rolling average PM_{2.5} value on 30 March 2023 was 6.6 µg/m³.

Data has been delayed by 1 month from VPPS for review by air quality consultant.

PM2.5 Monitoring - 2023

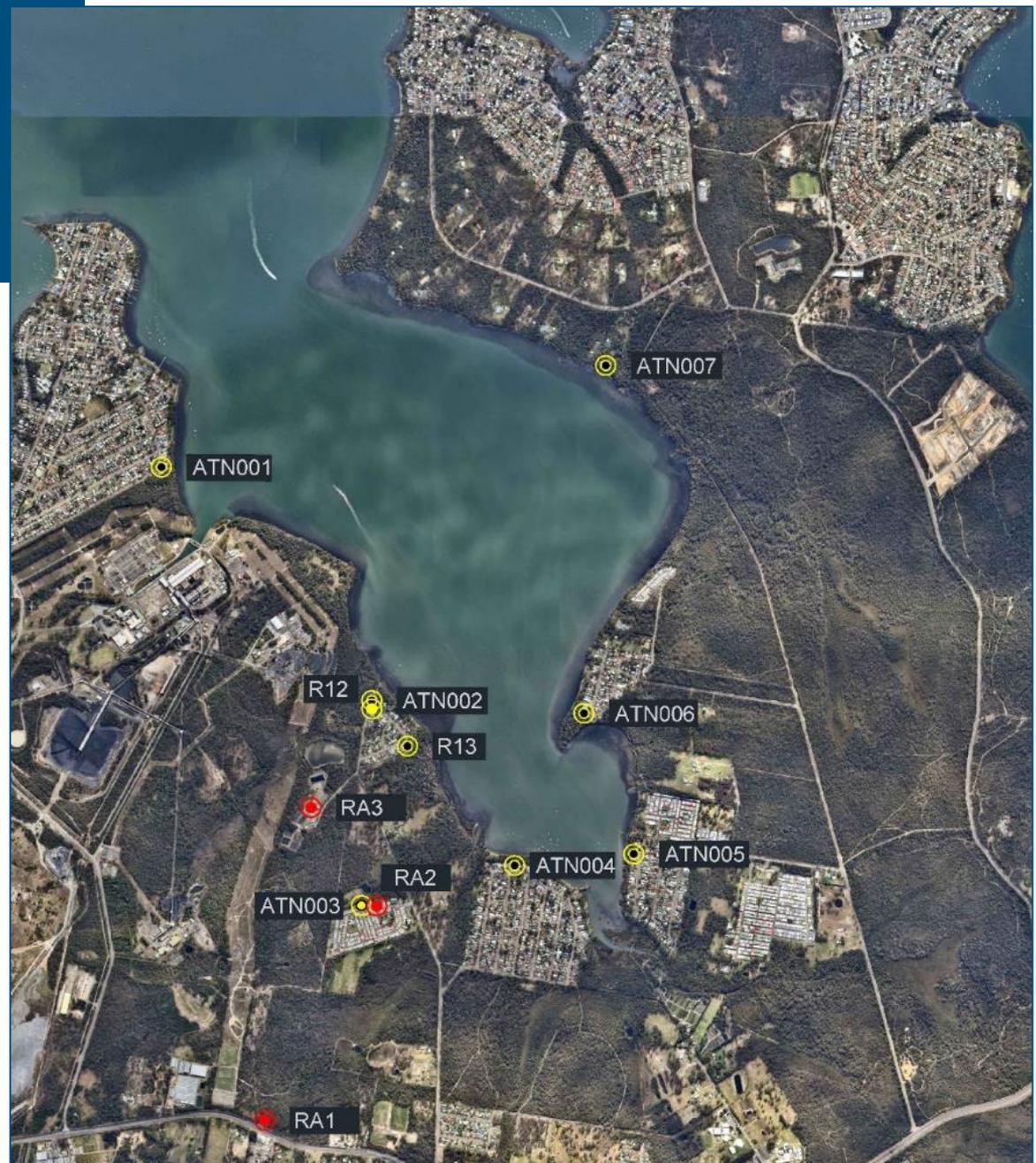


ENVIRONMENTAL PERFORMANCE

Noise Monitoring

Red = MC
Monitoring Location

Yellow = CVC
Monitoring Location



ENVIRONMENTAL PERFORMANCE



Noise Monitoring – MC Feb–Apr 2023

No Exceedances for MC noise monitoring between Feb-Apr.

IA = Inaudible

Highest result recorded during monitoring for a location is presented.

Location	Date	Site Contributions, dB		Noise Limits, dB		Compliance status
		LAEQ	LAMAX	LAEQ	LAMAX	
February 2023						
RA1	15/02/2023	IA	IA	36	46	☑
RA2		<30	<30	40	45	☑
RA3		IA	IA	39	49	☑
March 2023						
RA1	21/03/2023	IA	IA	36	46	☑
RA2		30	32	40	45	☑
RA3		IA	IA	39	49	☑
April 2023						
RA1	18/04/2023	IA	IA	36	46	☑
RA2		<37	40	40	45	☑
RA3		IA	IA	39	49	☑

ENVIRONMENTAL PERFORMANCE



Noise Monitoring – CVC Q1 2023

Chain Valley Colliery Q1 2023 noise monitoring was undertaken on the 21st and 22nd March 2023.

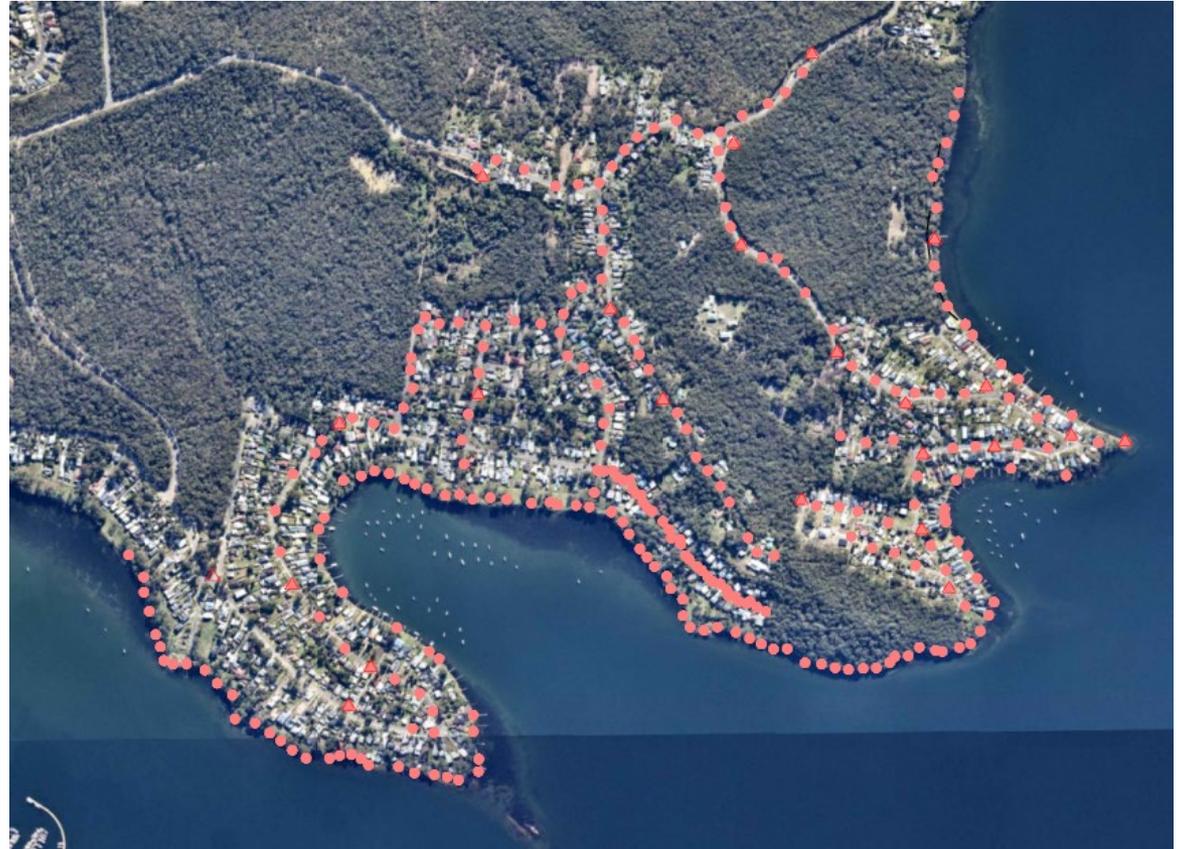
Improved results after Ventilation fan silencer cleaning. More monitoring to be completed.

Highest result for each monitoring location during the monitoring period is presented.

Monitoring Point	Site Contributions, dB		Noise Limit		Compliance Status
	LA _{EQ} (15 min)	LAMAX	LA _{EQ} (15 min)	LAMAX	
Chain Valley Colliery Q1 2023 (21 and 22 March 2023)					
ATN001	IA	IA	38	45	☑
ATN002	<30	40	49	54	☑
ATN003	<30	31	36	45	☑
ATN004	IA	IA	35	45	☑
ATN005	IA	IA	35	45	☑
ATN006	IA	IA	37	45	☑
ATN007	41 (36+5 LFN)	37	46	46	☑
R12	IA	IA	49	53	☑
R13	IA	IA	43	49	☑

Subsidence Monitoring

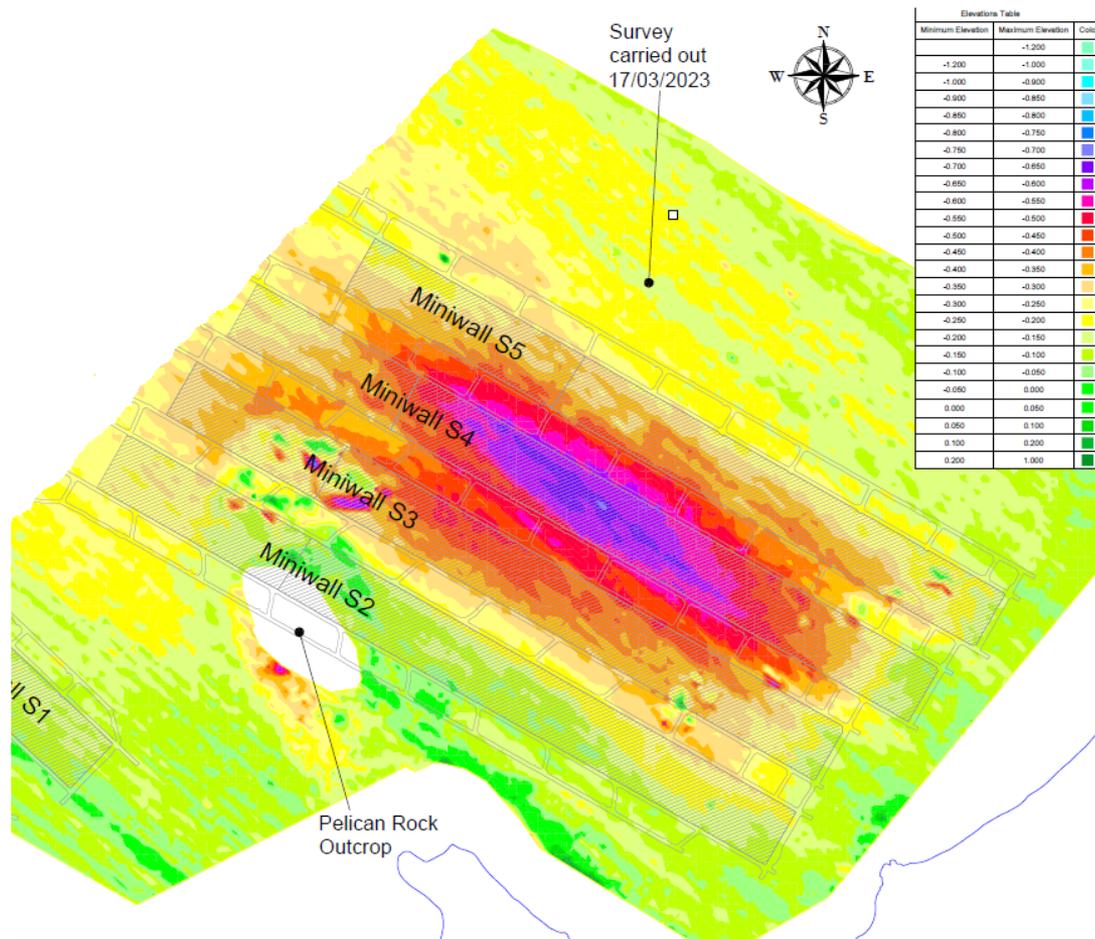
- Quarterly subsidence monitoring undertaken for the northern mining area in March 2023. No exceedances of subsidence limits (20mm) observed.



ENVIRONMENTAL PERFORMANCE



- Bathymetric monitoring over secondary workings was undertaken on March 2023.
- Results indicate that subsidence is within consent limits (<780mm).



Community Complaints between 1 February and 30 April 2023:

- Chain Valley Colliery - Nil community complaints received in period.
- Mannering Colliery - Nil community complaints received in period.

General Enquiries between 1 February and 30 April 2023:

- No enquiries received

ENVIRONMENTAL PROJECTS

CVC Sewer Project is underway with works being completed by Rivers Construction.

Anticipated commissioning date is 30 June 2023.

Upon completion Delta Coal will revise the CVC EPL and update the Water Management Plan.



QUESTIONS