

Chain Valley and Mannering Collieries

Combined Community Consultative
Committee Meeting Presentation
17 February 2021



AGENDA



- 1. Welcome and apologies**
- 2. Declarations of interest**
- 3. Confirmation of previous minutes**
- 4. Business arising**
- 5. Correspondence**
- 6. Operational Update**
- 7. Environmental Performance**
- 8. Reports and overview of activities**
- 9. Approvals Update**
- 10. General business**
- 11. Next meeting**

WELCOME AND APOLOGIES



Welcomes:

- **Brendan Killeen and Genevieve Hassett (Subsidence Advisory NSW – Following technical issues experienced on 18th November 2020)**

Apologies:

- **Dave McLean (Delta Coal)**
- **Bob Brooks (Community)**
- **John Gilbert – Lake Macquarie City Council**
- **Central Coast Council**

Declaration of interests

Confirmation of previous minutes

ACTIONS / BUSINESS ARISING FROM PREVIOUS MINUTES



| Action | Update |
|---|---|
| Investigate Payments to Central Coast Council for Ruttleys Road maintenance. | <ul style="list-style-type: none">• CA provided update on 2019 fee's to MMH and NW on the 25/11• Update regarding 2020 fees provided by LM on Slide 6. |
| Collection of questions posed to Subsidence Advisory NSW from CCC members. | Subsidence Advisory NSW presentation following review of correspondence. |
| Investigate clearing of shrub and potentially pines at Mannering Colliery Ruttleys Road frontage. | Maintenance works completed in January and February 2021. Pine clearing still being investigated. Photos and update provided on Slide 27. |
| Follow up Chain Valley Colliery Community Funding Program following Central Coast Council | Discussed in correspondence on Slide 4. |

CORRESPONDENCE

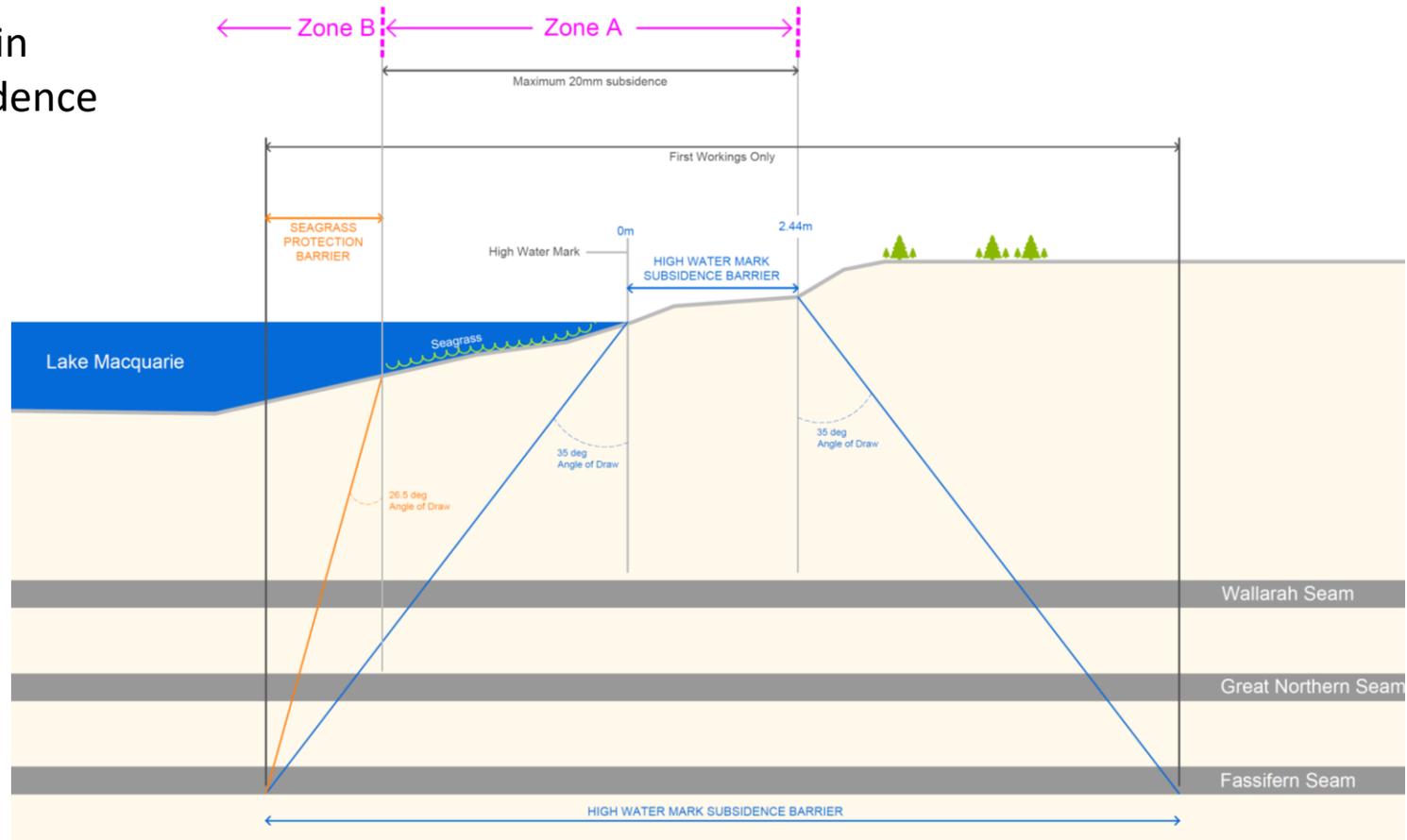


Correspondence:

- 20/11/2020 – MMH circulated correspondence with Central Coast Council regarding the allocation and timing of notifications for the latest grant fund.
- 01/12/2020 – Distribution of invitations to CCC members, to attend a drop-in community information session hosted by Delta Coal on the proposed consolidation of the MC and CVC development consents.
- 02/12/2020 – Email from MMH to Stuart Slough (Central Coast Council – Community Planning and Funding Team Leader) regarding the suspension of some Central Coast Council grant programs. Stuart confirmed that the Colliery Grant Program is **not** one of the Council grant programs that are suspended, it was noted that the Colliery Grant Program is proceeding, however at a delayed timeframe.

BUSINESS ARISING - COMMUNITY QUERIES TO SUBSIDENCE ADVISORY NSW - CONTINUED

Cross section of Chain
Valley Colliery subsidence
protection zones.



BUSINESS ARISING – RUTTLEYS ROAD MAINTENANCE AGREEMENT



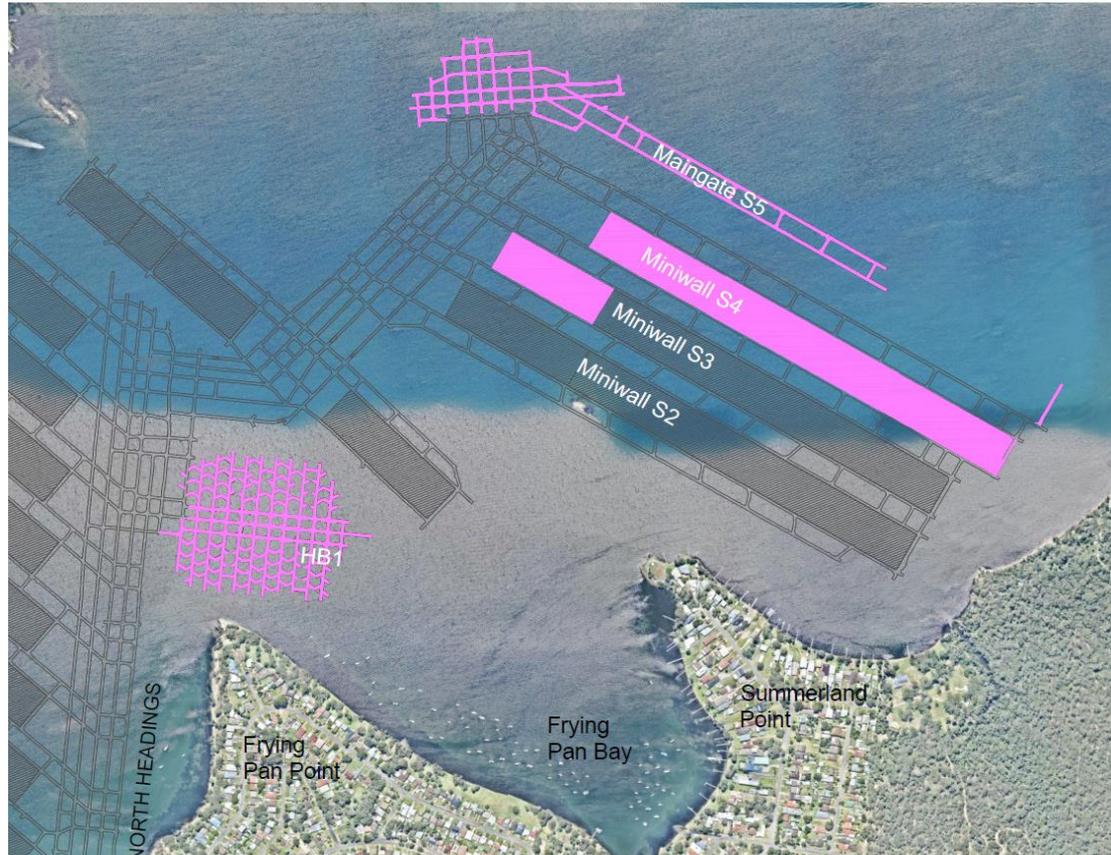
Lake Coal held a Road Maintenance Agreement with Wyong Council established in 2013, where-by a fee is applied per tonne of product coal transported via public roads. Delta Coal assumes on-going responsibility for the agreement. The agreed fee in 2013 was \$0.0291/t and included annual Consumer Price Index (CPI) rate increases. The rate for the 2020 period was calculated to be \$0.0309/t

The last payment was made under the agreement was in 2017. Following development of the underground link road between CVC and MC, haulage via public roads had not occurred.

Due to clean-up works undertaken of the CVC Coal Stockpiling area in the 2020 period, a total of 7885 tones of reclaimed coal was transported from CVC to Minion Enterprises in Carrington for dry processing (screening and crushing), before being hauled to Vales Point Power Station. As per the maintenance agreement, Delta Coal is required to be paid to Central Coast Council following approval of Delta Coals roads maintenance agreement calculation.

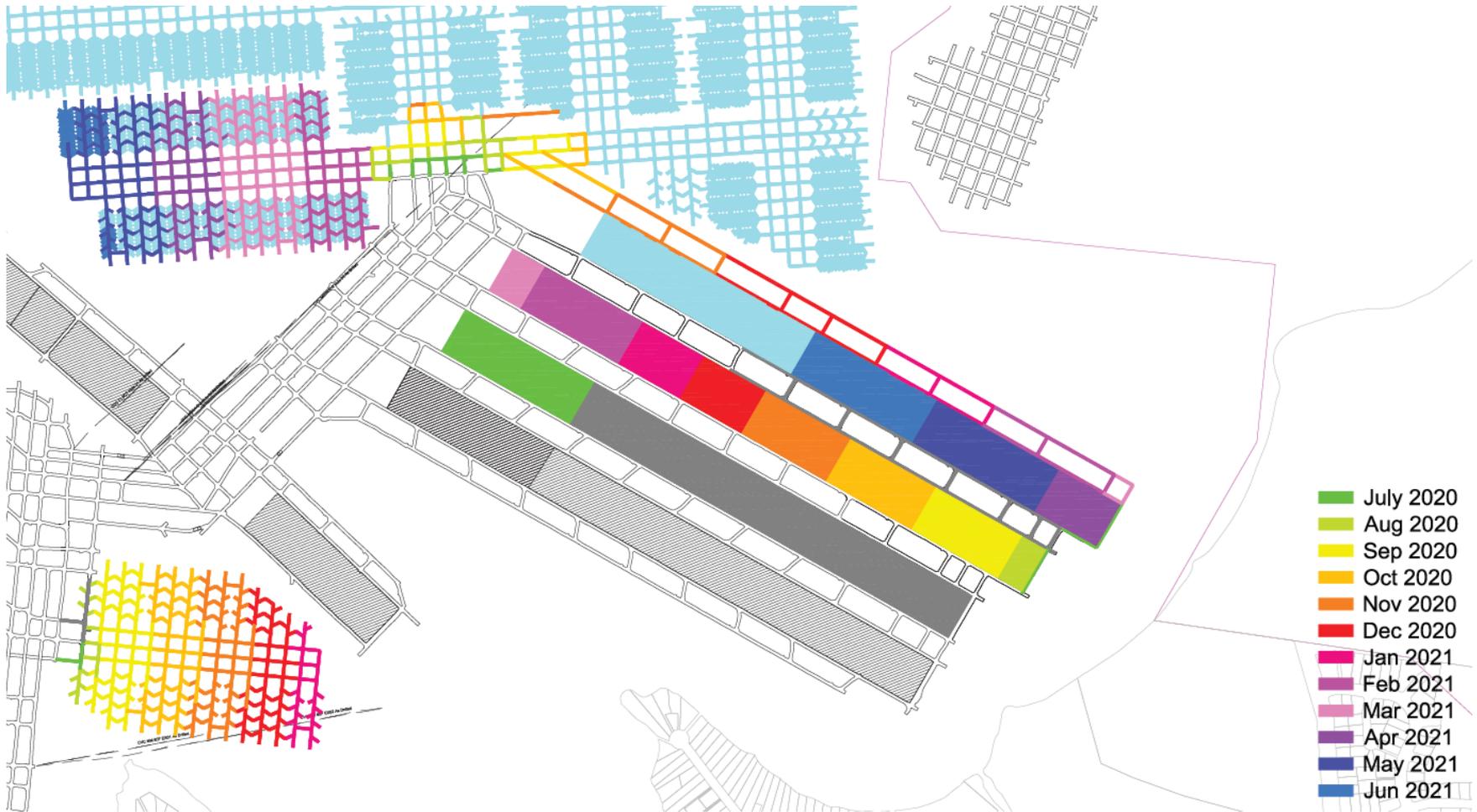
OPERATIONAL UPDATE

- Mining production areas are currently in areas under Lake Macquarie, north of Frying Pan Bay / Summerland Point
- MWS4 completion anticipated in early March 2021
- MWS5 anticipated to commence early April 2021
- The first bord and pillar panel (HB1) started 17 August 2020
- Forecast coal production for FY20/21 is 1.5Mt



Above: Workings July 2020 – January 2021 (pink)

PRODUCTION FY21



NORTHERN MINING AREA (NMA) EXTRACTION PLANS

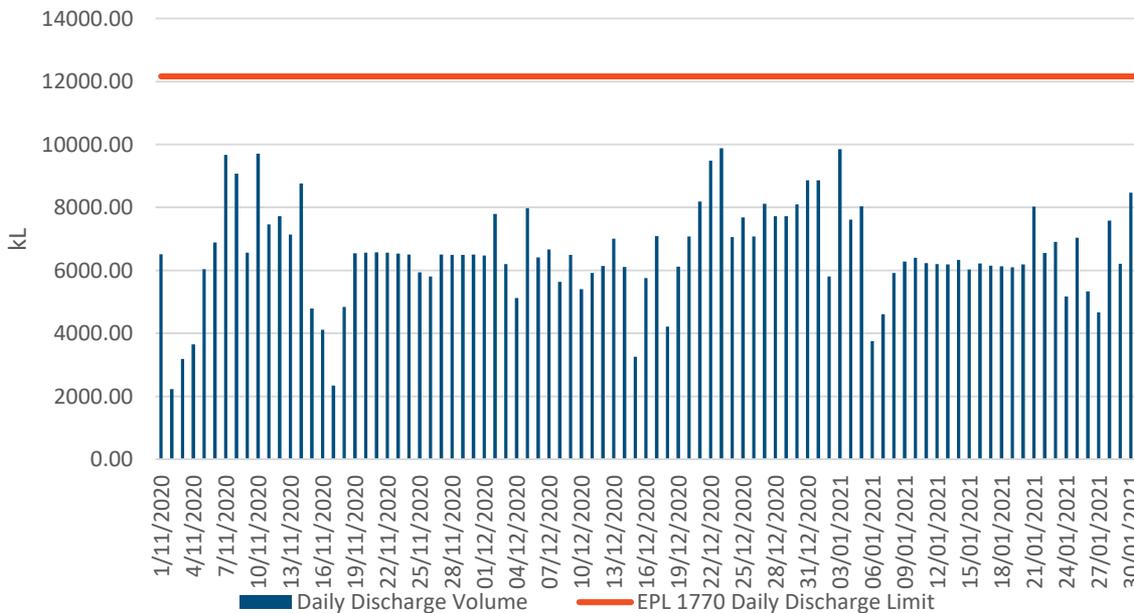


- Mining development has commenced in MGS5 and is forecast to complete in late March 2021 for miniwall production in April 2021
- Draft MWS5 and NMA Pillar Extraction Plan submitted to regulators and stakeholders (CCC) in December
- Submitted on Planning Portal (DPIE) for approval

ENVIRONMENTAL PERFORMANCE SURFACE WATER MONITORING - CVC



Chain Valley Colliery – LDP001 Discharge Volume
1st Nov- 2020 – 31st Jan 2021



Monthly Water Quality Results – Licenced Discharge Point (LDP) 1

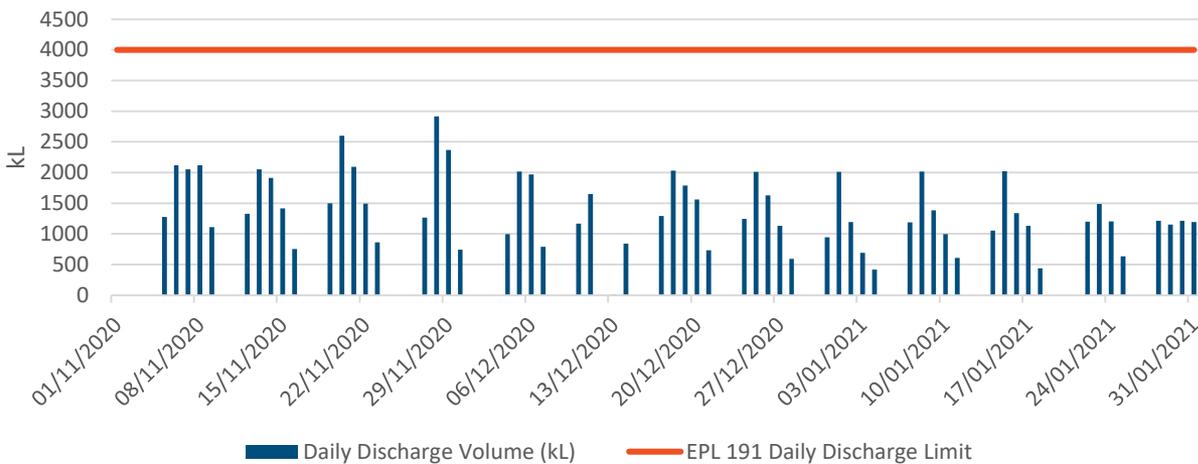
| | Limits | Nov-2020 | Dec-2020 | Jan-2021 |
|--------------------------------|---------|----------|----------|----------|
| Faecal Coliforms (mg/kg) | 200 | <2 | ~100 | 20 |
| Total Suspended Solids (mg/kg) | 50 | 6 | <5 | <5 |
| pH (pH Units) | 6.5-8.5 | 7.74 | 7.58 | 7.56 |

ENVIRONMENTAL PERFORMANCE SURFACE WATER MONITORING - MC



Monthly Average Water Quality
Results – Licenced Discharge Point 1

Mannering Colliery LDP1 Daily Discharge (kL)
1st November 2020 – 31 January 2021

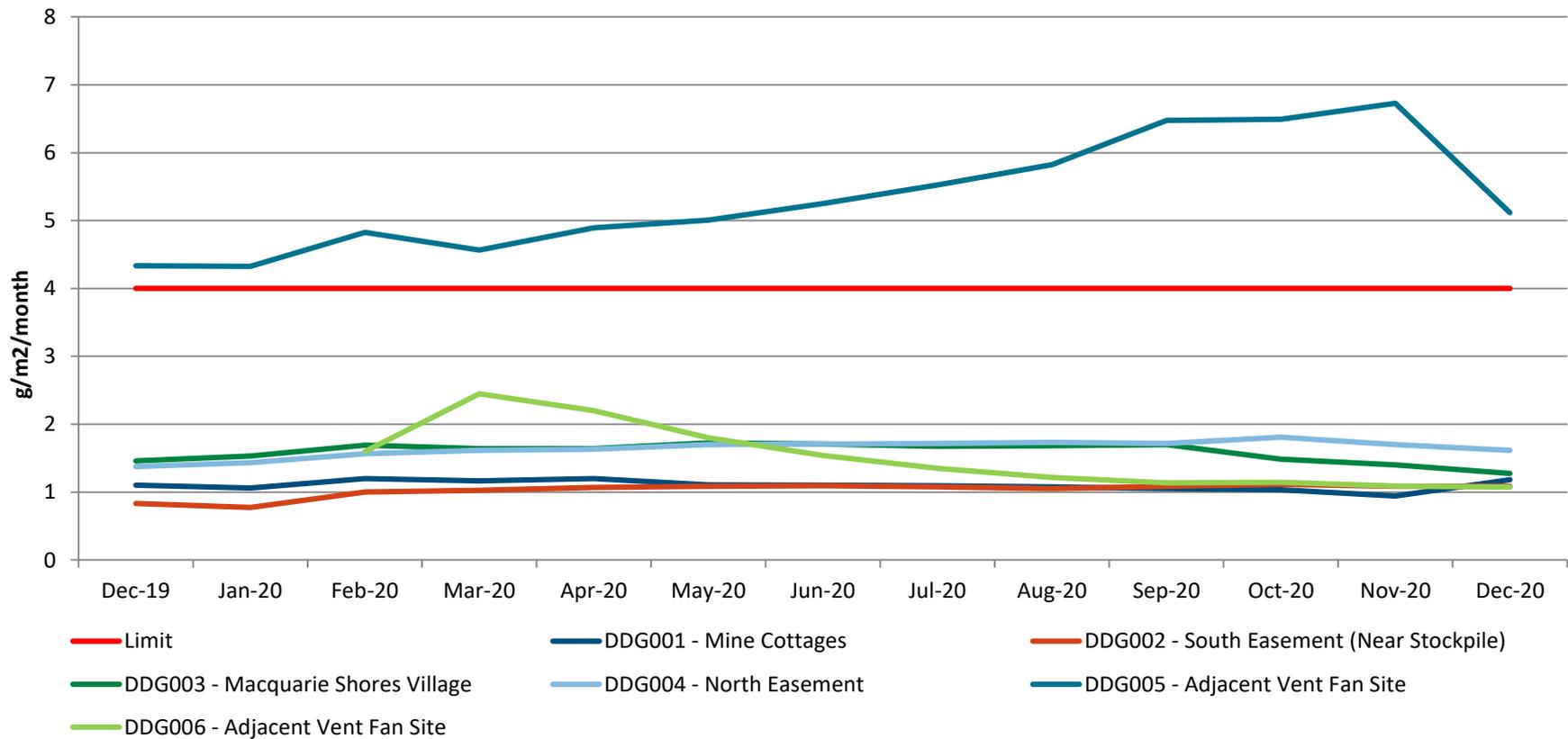


| 2019 | Limits | Nov-2021 | Dec-2021 | Jan-2021 |
|--------------|---------|----------|----------|----------|
| Oil & Grease | 10 | <5 | <5 | <5 |
| TSS | 50 | 3.4 | 4.2 | 3.6 |
| pH | 6.5-8.5 | 7.7 | 7.8 | 7.8 |

ENVIRONMENTAL PERFORMANCE DEPOSITIONAL DUST - CVC



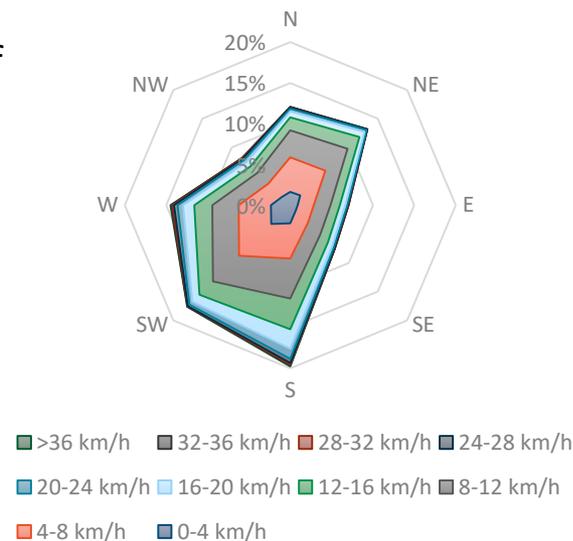
CVC Depositional Dust (12 month rolling average)



ENVIRONMENTAL PERFORMANCE DDG005 ANNUAL AVERAGE EXCEEDANCE



MC Wind Rose Diagram –
January 2020 to January 2021



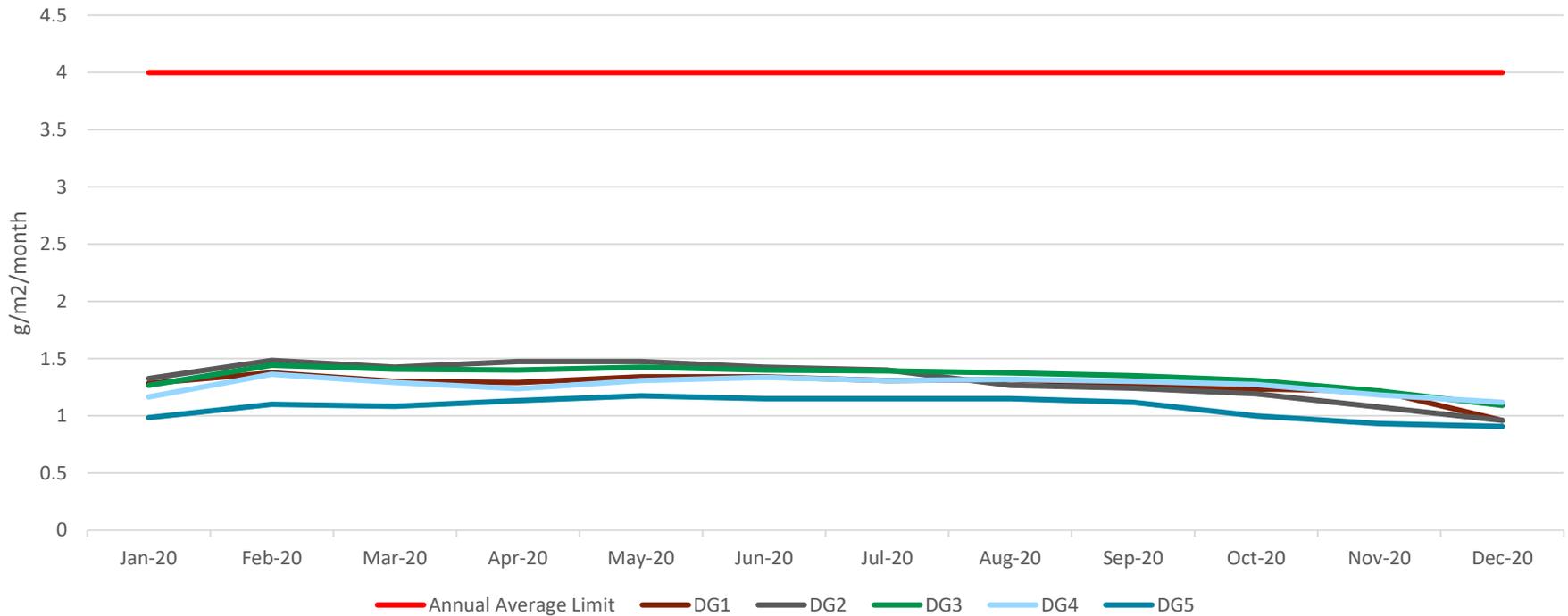
Delta Coal submitted a detailed incident report for the exceedance of annual average depositional dust limits at DDG005 to the Department of Planning, Industry and Environment (DPIE) on the 28th January 2021. The report detailed the following, which was noted by the DPIE:

- DDG005 has been contaminated with organic mater on 7 out of 12 monitoring instances during the 2020 reporting period;
- DDG006 was installed in February 2020 within the same general location as DDG005 to provide comparative results, and has continuously returned Deposited Dust levels below the 4 g/m²/month limit;
- DDG006 is considered more representative of potential emissions from the Chain Valley Colliery ventilation site; and
- Chain Valley Colliery has submitted an amended Air Quality and Greenhouse Gas Management Plan to the Department which proposes to replace DDG005 with DDG006.

ENVIRONMENTAL PERFORMANCE DEPOSITIONAL DUST - MC



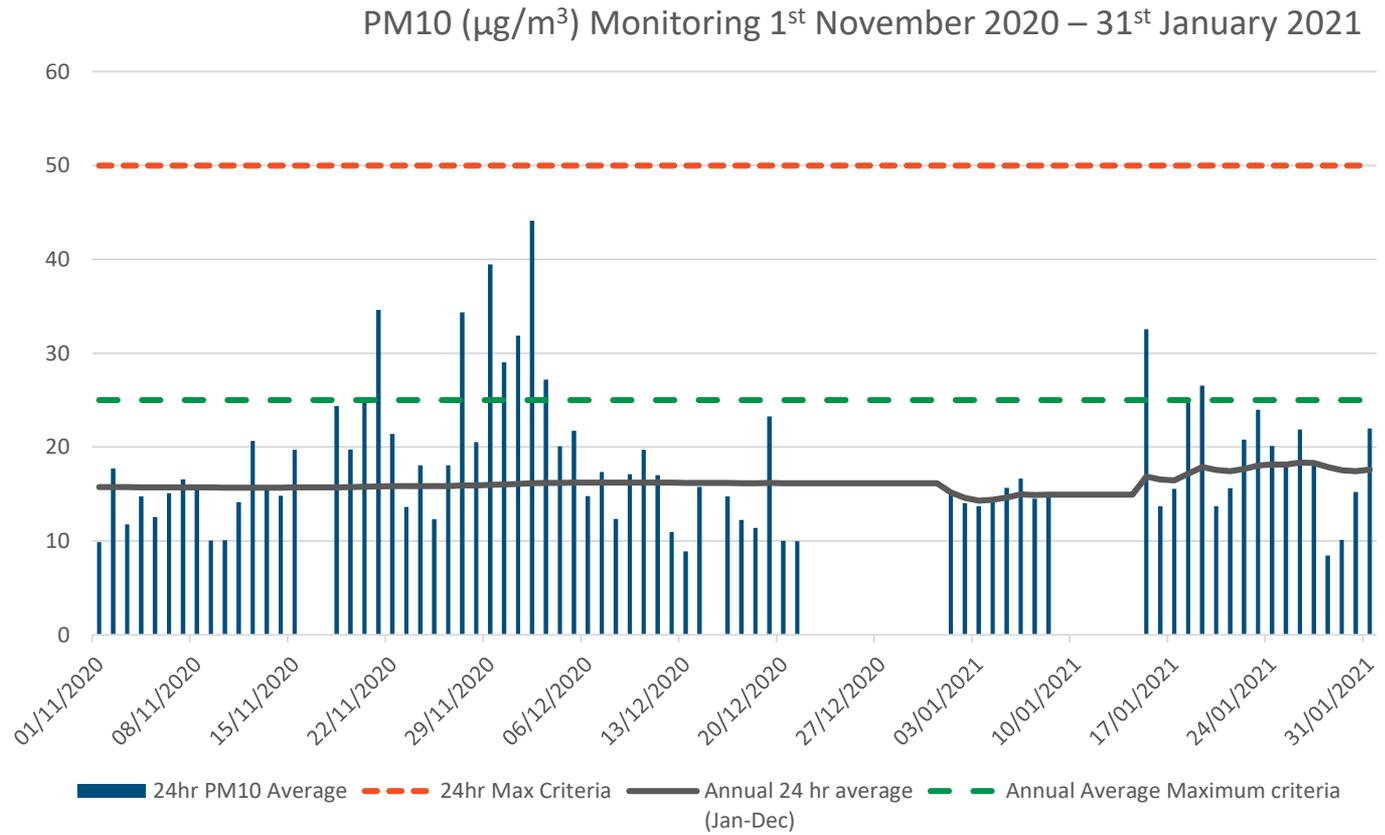
MC Depositional Dust (12 month rolling average)



ENVIRONMENTAL PERFORMANCE – PM₁₀ MONITORING



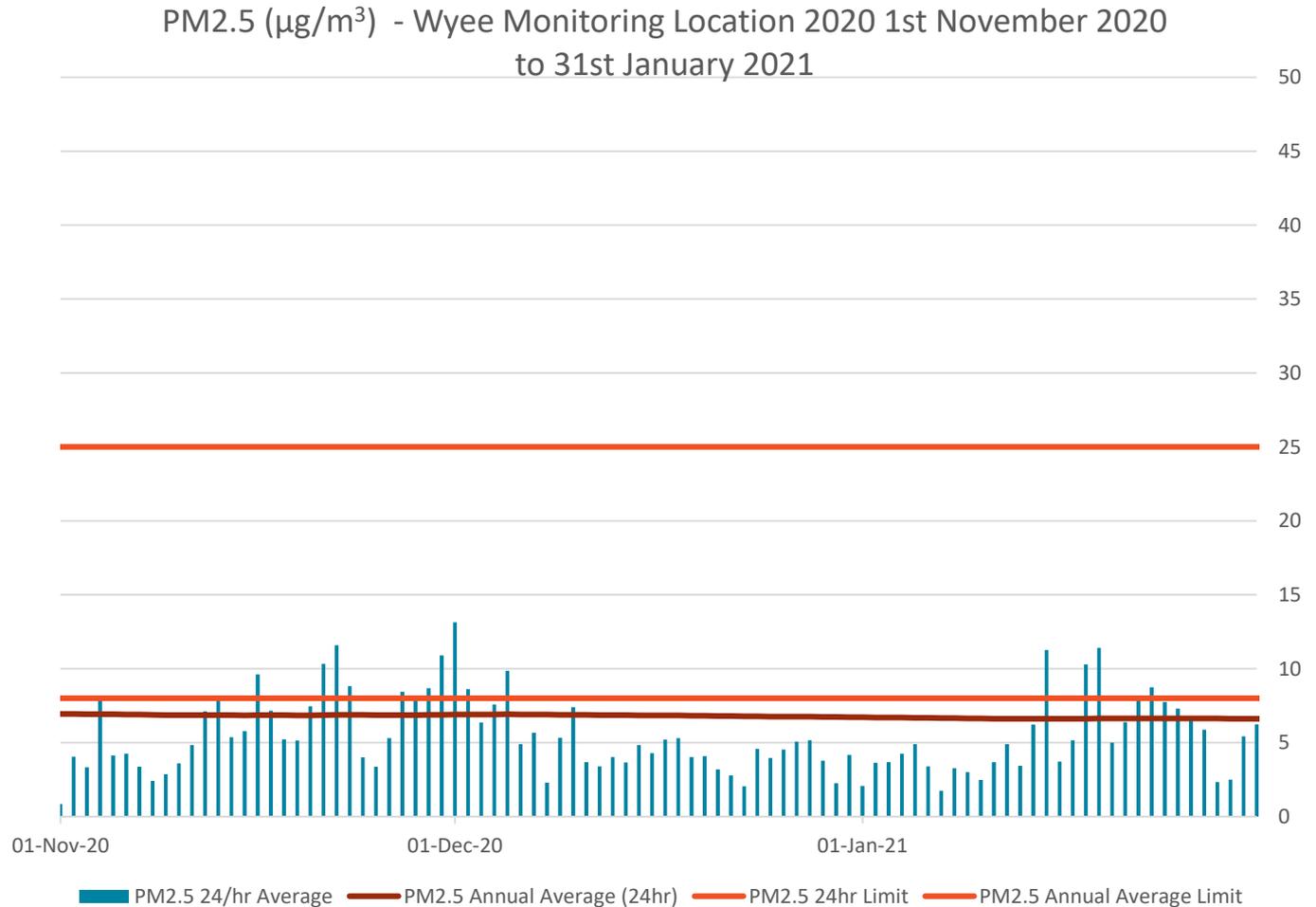
Outages of PM₁₀ observed 22 - 31 December 2020 due to electrical storms and limited access over holiday period and 9 - 14 January 2021 due to high filter load and low flow levels. No issues have been observed since. Data capture met requirements.



ENVIRONMENTAL PERFORMANCE PM_{2.5} MONITORING



PM_{2.5} concentrations at the Wye monitoring location have remained below the daily and annual average criteria.



NOISE MONITORING RESULTS



Chain Valley Colliery:

- Monitoring undertaken quarterly, with no exceedances in 2019/2020.

Mannering Colliery:

- Monitoring is undertaken monthly. there have been no exceedances of noise monitoring results since the last exceedance at Kingfisher Shores prior to decommissioning of the Rotary Breaker (exceedance in May 2020). Modelling undertaken following the decommissioning indicated that in a worst case meteorological scenario, MC noise emissions observable at MSHV could be up to 39 dB(A) (LA_{eq15}).
- A rock-box was installed to the main noise generating chute of the rotary breaker by-pass. Following the rock-box installation a noise logger was established adjacent the coal handling and preparation plant (CHPP) to quantify the achieved noise reduction. Preliminary results indicate a further 1-2dB(A) noise reduction at the source site, the data is currently being modelled to determine the noise reduction achieved at Macquarie Shores Home Village.

SUMMARY ENVIRONMENTAL INCIDENTS

1 Nov 20 – 31 Jan 21

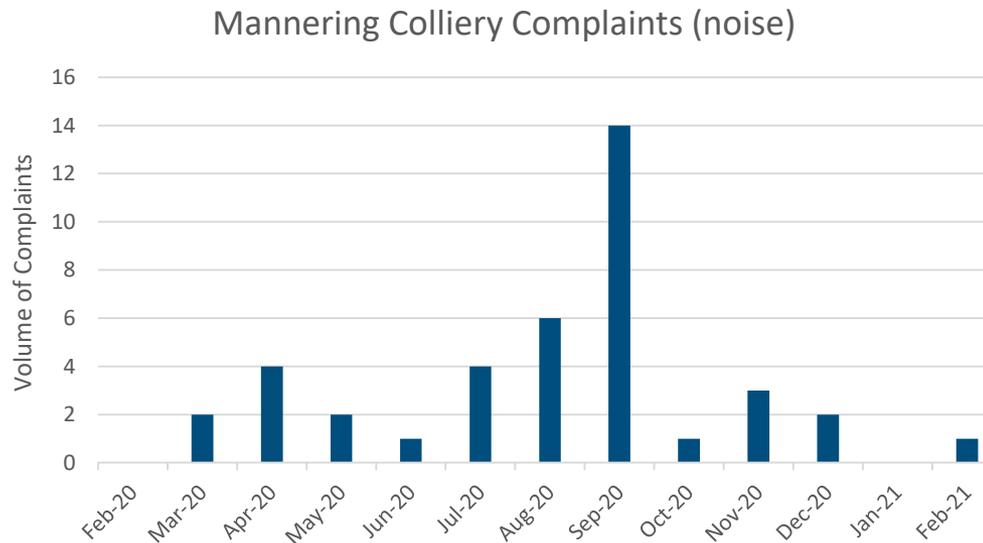


| Date | Site | Incident Description |
|--------------------------------------|------|--|
| 24 th January 2021 | CVC | Exceedance of annual criteria for depositional dust at monitoring location DDG005. Discussed on Slide 17. |
| 11 th December 2020 | CVC | Exceedance of maximum monthly increase at DDG001 for period of 6 th November – 8 th December 2020. DDG005 exceeded annual dust criteria however not at the end of annual reporting period. The incidents were reported to DPIE who had no further comments other than the reporting period being annual. |
| 18 th November 2020 | CVC | DDG005 exceeded annual dust criteria however the end of the annual reporting period is the end of the calendar year. Regardless, the incident was reported to DPIE who had no further comments other than the reporting period being annual and not monthly. |

COMPLAINTS



- 47 community complaints in 2019 relating to Mannering Colliery
- 0 community complaints in 2019 relating to Chain Valley Colliery
- 1 community complaints in 2020 for Chain Valley Colliery
- 40 community complaints in 2020 for Mannering Colliery, 39 of 40 complaints were made by one complainant.



APPROVALS - CURRENT



| | |
|--|---|
| CVC SSD5465-Mod 3 | Approved 26 June 2020 - 31/12/2027 |
| MC PA-03_611 Mod 5 | Approved 26 June 2020 - 31/12/2027 (Aligned with CVC from Mod 5) |
| S4 Miniwall Extraction Plan | Approved 22 June 2020 |
| MSS5 and NPA Extraction Plan | Submitted in Jan 2021 |
| CVC and MC MOP (S2/S3/S4 + Demolition) | 31/12/2020 |
| CVC and MC MOP (S3/S4/S5 + Bord & Pillar) Amendment 1 | Planned submission in Feb 2021 |

APPROVALS - PROPOSED



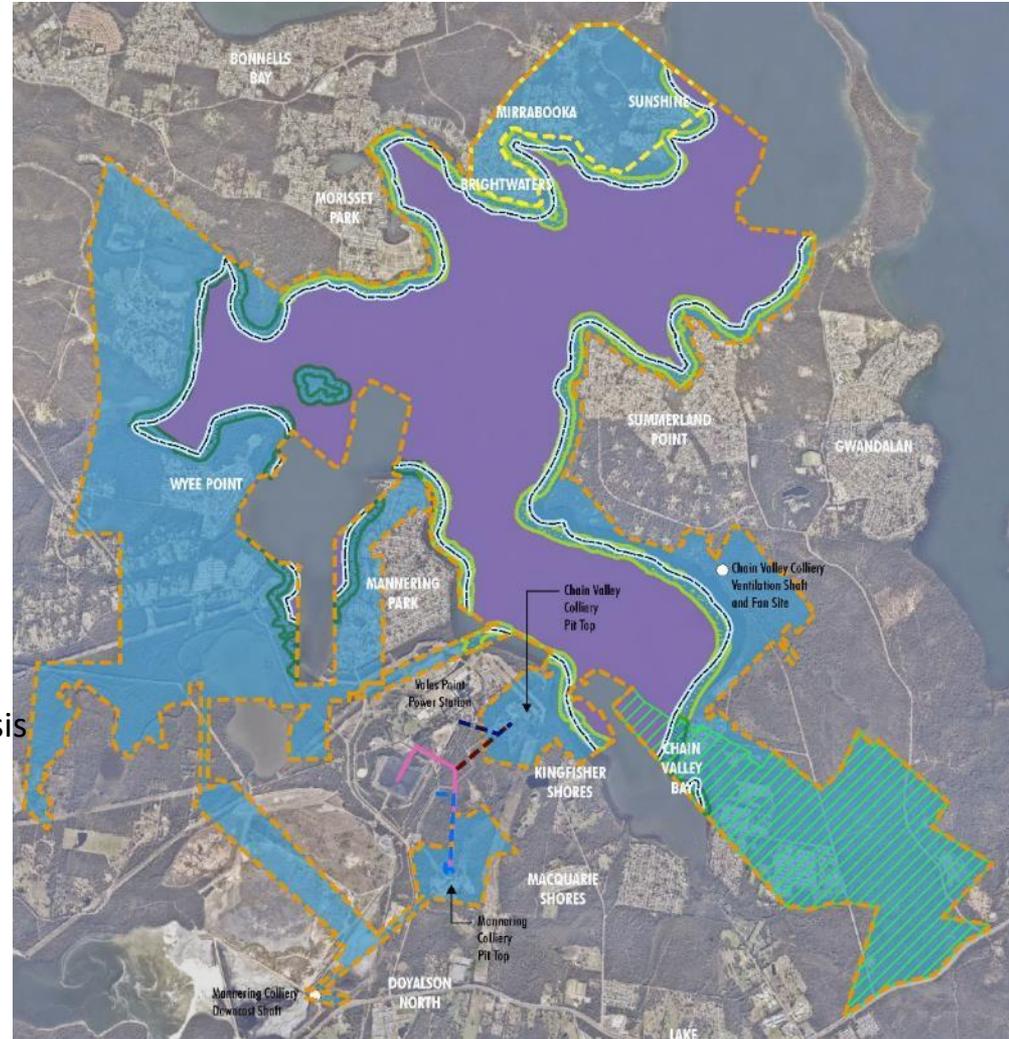
| Approval | Planned Submission | Timing |
|--------------------------------|--------------------|---------|
| CVC / MC MOP Amendment 2 | May-21 | Jul-21 |
| CVC Mod 4 – Northern Extension | Nov-20 | Q3 2021 |
| Consent Consolidation SSD/EIS | Q3 2021 | Q4 2022 |
| Continued Operations SSD/EIS | Q1 2022 | Q1 2025 |

- CVC Mod 4 submitted to planning portal on 16 November 2020

DELTA COAL CONSOLIDATION PROJECT OBJECTIVES OVERVIEW



- **Consolidation Project (West of Pacific Highway)**
 - conceptual mine plan being developed
 - Community drop in session in December 2020
 - **Scoping Document – February 2021**
 - **EIS – May 2021**
- **Continuity Project (Moonee Mining Area)**
 - mine plan subject to further constraints analysis
 - **Scoping Document – June 2021**



ENVIRONMENTAL ASSESSMENT - STATUS



| Impact | Consideration |
|---------------|--|
| Groundwater | GHD groundwater model, groundwater census |
| Subsidence | Strata 2 undertaking subsidence and geotechnical engineering assessments |
| Noise | Noise loggers installed to get baseline data |
| Ecology | Commenced fieldwork |
| Surface Water | Water sampling and site walkover inspections |
| Air Quality | Fan evase air quality testing to assist with air quality models and reporting |
| Social Impact | Community and stakeholder surveys – interviews with social consultants, Umwelt |



DELTA COAL ENVIRONMENTAL PROJECTS



CVC PRP8

- Approvals required to commence development have been granted
- Technical specification to be prepared in late February 2021 allowing Delta Coal to commence seeking tenders in March 2021.



DELTA COAL ENVIRONMENTAL PROJECTS



Former Mine Cottages – Site Rehabilitation

- Rehabilitation Objective – Open Grassland
- Native grass seed mix and fertilizer spread October 2020



Demolition July 2020



Rehabilitation September 2020



Rehabilitation October 2020



Rehabilitation December 2020



Rehabilitation January 2021

DELTA COAL ENVIRONMENTAL PROJECTS



Desilting of Mannering Colliery's Pollution Control Pond 2 (second in a series of 4 ponds) was completed early January 2021.

Water quality results throughout the period prior to and during desilting works met relevant testing criteria.



Environmental Projects Mannering Colliery Entrance – Land Maintenance



Works undertaken to include:

- Bamboo, coral tree, camphor laurel and plumbago treatment at front entrance
- ongoing investigation into pine tree removal options however currently is in early stages.



DELTA COAL ENVIRONMENTAL PROJECTS



Catherine Hill Bay Remediation Headland

- Rehabilitation works have been completed, and submission for approval of the rehabilitation has been requested from the Resources Regulator
- Following approval Delta Coal will seek to relinquish the rehabilitated portion of CCL706.

Possum Gully

- Rehabilitation works remain
- A Mining Operations Plan (MOP) has been submitted for the area
- Upon approval of the MOP a specification for works will be prepared and the works can be tendered.



COMMUNITY EVENTS / MEDIA



- September 2020 Delta Coal community newsletter publication and distribution
- November 2020 - Community newsletter publication (consent consolidation project) and letterbox distribution
- December 2020 – Community letterbox invite drop in session for Chain Valley Bay, Mannering Park, MSHV and Kingfisher Shores
- Mine Subsidence FAQ sheet drafted, send out for comments
- Exploration Frequently Asked Questions (FAQs) drafted and to add to DC website
- Employee and Supplier surveys for Social impact surveys
- Social impact surveys and interactions (Umwelt)
- Registered Aboriginal Parties (RAP) 6 monthly meeting in January 2021

QUESTIONS

Next Meeting: Wednesday 19th May 2021



Fish in mangroves at downstream monitoring point, what is it?



New ducklings residing on CVC lawns