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**Subject:** CVC MWS4 Built Features Management Plan - Lake Macquarie (NLM045)

Hi Lynda/Sonia/Mike and Brett,

Just an update on the Pelican Rock Navigational Marker (NLM045) subsidence monitoring with respect to underground mining at Chain Valley Colliery.

Delta Coal engaged contract surveyors to conduct a pre-survey before Miniwall S2 secondary extraction and a survey following the completion of Miniwall S2 extraction.

The results of the survey of the bolts on the navigational marker are attached and summarised below.

10/7/19 – 1.14m Australian Height Datum (AHD) (Pre Miniwall S2 Extraction)

30/3/20 – 1.13m Australian Height Datum (AHD) (Post Miniwall S2 Extraction) (Survey results received 6/4/20)  
i.e. difference of 10mm.

On both occasions the nav pole was measured to be vertical and the metal base was found level on 30/3/20. There were no cracks or signs of deformation on the navigational marker or conglomerate/sandstone rock outcrop.

***In summary, the monitoring from the 30<sup>th</sup> March displays that the NLM045 navigational marker appears generally unaffected by Chain Valley Colliery Tailgate S2 First workings or Miniwall S2 Secondary Extraction.***

As part of due diligence we have committed to completing another survey for the next 2 miniwall's which are Miniwall's S3 and S4 which is further away from the navigation marker and we will send you these results later in the year once the miniwalls are extracted. By way of operational update Miniwall S3 has commenced extraction this week.

We are planning another Extraction Plan for Miniwall S5 but I'll consult with the DPIE/RR to see if we need to get your involvement again for this given the distance from the navigational marker to Miniwall S5, currently unobservable impact and planned S3/S4 surveys to provide further trend to recent monitoring.

Kind regards,  
Chris



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