

DIXON SAND (PENRITH) PTY LTD

MINUTES OF THE BI-ANNUAL COMMUNITY CONSULTATION COMMITTEE MEETING

4610 Old Northern Rd

1.00 – 4:00 pm, 10th May 2016.

1 INTRODUCTION AND APOLOGIES:

The meeting opened at 1.00pm.

1.1 ATTENDEES

Carolyn Hall (CH) (*Chairperson*)

Noel Kenny (NK) (*Dixon Sand – Production Manager*)

Colin Massingham (CM) (*Dixon Sand – Production Manager*)

Hunny Churcher (HC) (*Dixon Sand-OSEM*)

Brooke Weber (BW) (*Dixon Sand-OSEM*)

Jessie Evans (JE) (*DPE*)

Lauren Evans (LE) (*DPE*)

Kristine McKenzie (KM) (*HSC*)

Daniel Gibney (DG) (*HSC*)

Patrick Gregson (PG) (*Bush-It*)

Lisa Aylward (LA) (*Maroota Public School Representative*)

Farley Roberts (FR) (*Community Representative*)

1.2 APOLOGIES

David Dixon (DD) (*Dixon Sand - Director*)

Patricia Schwartz (PS) (*Community Representative*)

1.3 INTRODUCTION

CH opened the meeting with introductions and acted as chairperson for the meeting. LE and JE were welcomed to the CCC.

2 PREVIOUS MINUTES

CH reviewed the previous CCC minutes from Nov 2015.

3 BUSINESS ARISING FROM PREVIOUS MINUTES

CH went through business arising from previous minutes including action item:

HC to address issue of pH data from groundwater and the variability between filed and lab pH.

HC to address the potential impact of quarry activities to EC in groundwater.

4 WORK ACCOMPLISHED IN THE PERIOD

NK discussed:

- Boundaries for Lot 196 almost completed.
- Air monitoring results for dust gauge in Lot 196 (DG04) has risen due to excavating works in Lot 196.
- Have got to next stage for Lot 2.
- Approximately 6,000 tonnes of sand is being taken from Haerses Road to fulfil the need of course sand.
- Screen on Hearses Road has not been in operation in Stage 1, only sandstone sewing in Stage 2.
- The first 6 months of the year the quarry is at its quietest and Dixon's try to complete as much revegetation works in the period as possible.

HC discussed:

- DPE suggested that an Expression of Interest is put out to the community to provide an opportunity for new community members to join the CCC.

JE pointed out that Chair Person will need to put forward the new members but it is ultimately the DPE who needs to approve new members.

- In March 2016, HC conducted a mock pollution incident on site where personnel of Dixon Sand responded to a truck roll over and spill liquid waste. HC went over legislation and guidelines and called reporting lines to confirm they were still valid and registered this practice run with the EPA, Ministry for Health, Council, and Emergency Services.
- Biodiversity Management Plan for ONR DA 250-09-01 has been approved by the DPE.
- Rehab process has progressed further on the Old Northern Road Site.
- Note that during the last few months there has been a number of hazard reduction burns by the Rural Fire Service (RFS) to reduce fuel loads in the region. Dixon maintains records of all these events and closely monitors TEOM data to identify when high readings are from the quarry or external issues such as burning off from the RFS.
- DA 250-09-01 Mod 5 is still with environmental consultant.

Action: Advertise EOI for new community members.

5 MONITORING RESULTS

HC explained the monitoring requirements for the Quarry and recap the locations of TEOM, static dust gauges, groundwater bores, sensitive receivers and noise monitoring. Two new GW bores have been installed as a requirement for Mod 4. It was explained that HC is responsible for noise monitoring and takes groundwater samples for water quality and measures water depth. VGT is responsible for static dust. Carbon Based looks after the maintenance and reporting of TEOM and weather station data.

5.1 TEOM MONITORING

HC explained how the TEOM stations works, what is recorded and how the data is interpreted including the criteria's and what each criteria means. JE wanted to know why the annual PM10 (pink line) is lower than the green and yellow line. KM explained that the TEOM is near school so the annual PM10 is set lower.

NK raised that children were playing around the TEOM and unplugged it and to expect missing data in

5.2 STATIC DUST MONITORING

HC provided details of depositional static dust monitoring over the 2015-2016 monitoring period and HC presented the rolling average dust results for all dust gauges.

It was noted:

- Front gate dust gauge is still on hold due to adjacent rehabilitation works since September 2015.

CM indicated that rehabilitation work adjacent to DG01 Front Gate dust gauge will take approximately 12 more months.

JE suggested that this dust gauge be relocated to more suitable location. This would have to be updated in the management plan and sent to DPE for approval. This should also be done when dust gauges are put on hold.

- DG01 contained handful of sand which would explain the high reading.
- DG06 - DG08 have low readings.
- DG10 has had some high results which were attributed to onsite resident slashing grass in the vicinity of DG10 during dry conditions. HC has since liaised with the onsite resident and moving forward he will conduct slashing activities after rain or will cover the dust gauges with a bucket while he slashes. In addition, two helicopters have landed in the paddock next to DG10 during the Hazard Reduction Burn in Maroota which may also contribute to potential high dust result.

KM noted the maps showing dust gauge locations are outdated and requested updated maps. HC explained that Nearmaps doesn't show the Maroota area clearly. KM suggested buying maps from council and they update their mapping every three years

Action: Select new site for dust gauge at the front gate. Update the management plan and send to DPE for approval.

Action: Investigate purchasing aerial maps of Dixon Sands operation area from Council (or other means). If practical, update maps.

5.3 NOISE MONITORING

HC discussed:

- Locations of the noise monitoring sites and the 6-monthly monitoring program.
- The use of setback calculations as a more accurate method for deriving the actual quarry noise levels at the house and school.
- Screening at Haerses Rd has stopped in Stage 1.
- Noise monitoring from Hitchcock Road has been moved to behind the olive grove near FR's house.
- One noise exceedance was noted at the Ramm's property which has been attributed to the screener.
- Dominant noise is from road noise and trucks.

FR noted he does sandstone cutting at his house which may attribute to noise at times.

FR would like more signs to limit compression breaking around the area as that is what the most audible noise is.

DG noted that the quarry should not be using Industrial Noise Policy (INP) instead of the Interim Construction Noise Guidelines to manage noise. JE added that HC can contact their noise specialist at the DPE for advice on the matter but ultimately compliance just has to be in line with the Development Consent.

Action: Investigate INP and if this policy should be used to managed noise instead of the INCG.

Action: NK to look into obtaining more road signage to limit compression breaking.

5.4 GROUNDWATER DEPTH & QUALITY MONITORING

HC explained:

- GW depths are taken monthly.
- Old bores monitor perched aquifers and new bores monitor regional water table.
- Haerses and ONR results are fairly consistent.
- Long term trends also consistent.
- BH 8 and BH9 are the latest additions to the monitoring bores.
- EC not impacted by the quarry as quarry operations do not introduce any new materials to the environment.
- H13 is located outside the quarry operational boundary. The spike in EC is due to the application of fertiliser to the surrounding area of H13.

- H14 is sometimes dry and suspect this has been drilled incorrectly.
- BH2 had a spike in EC but this BH was damaged by PF formations.
- Lab pH will no longer be reported. Under the AS/NZS 5667.1:1998 Water quality sampling, Part 1: Guidance on the design of sampling programs, sampling techniques and the preservation and handling of samples states that the holding time for pH is 6 hours. This condition cannot be met and therefore field pH will be taken and reported for the water samples from now on.
- An in-situ data logger to be installed and measure the deep BH1

5.5 BUSH REGNERATION WORKS

PG discussed the progress of regeneration works from Nov 2015 - May 2016. There are 3 different areas within the Haerses Road offset area. These receive different treatments.

A total of 171 hours was spent at Haerses and 33 hours at the Mine Site (ONR).

Area 1 – Sandstone capping, soil translocation, planting and fencing

- Area 1 is doing the best due to soil translation. Only canopy planting was conducted in this site with ground cover regenerating naturally.
- Canopy has grown well which creates shade that inhibits the growth of the weeds
- Area 1 was fenced off to help keep the wallabies out which eat the planted landscape trees
- The community in Area 1 is well established and so fencing is now cosmetic and can be removed if need be.
- Species diversity has increased from 5-10 to approx. 35.
- KM suggested again that the fence be retained so Area 1 can be identified easily for future reference etc.

Area 2 – Sandstone capping and planting

- Area 2 is largely weed free.
- This area was not fenced and lots of evidence of wallabies present. Plants stunted due to being eaten so growing a lot slower than Area 1 which will be evident on the site visit.
- Mid layer not doing as well as Area 2 but still growing ok.

Area 3 – Clearing of Hakea forest and planting

- Area 3 is the slowest in regenerating. Suggest that too much clearing was conducted in areas that weren't planted straight away which has led to a high regrowth of weeds
- Crofton weed present at Area 3 due to bare ground however Bush-It have been conducting works to manually remove this weed. Creek lines comprise of dense established vegetation so Crofton weed is unable to penetrate through these areas. Creek lines have been scouted and no Crofton weed is present.

Action: In future, stage clearing so planting can be conducted at the same time to reduce the growth rate and diversity of weeds.

6 GENERAL BUSINESS

LA indicated that the application to extend the school zone outside Maroota Public School due to high school students catching the school bus after 4pm was rejected by RMS. RSM explained as there are no incidents in the area there is no need to change times, suggesting the change of school zone timing would cause confusion to the road users.

CH informed the group she is looking to resign from the position of Independent Chairperson.

Action: Look into process of what is required to elect a new Chair Person

7 SITE INSPECTION

A site inspection at Haerses Road Offset Area was conducted.

8 NEXT CCC MEETING

The next CCC meeting will be scheduled for 15th November, 2016.