



Ardmore Park Quarry

CCC Meeting Friday 17th July 2020

Introduction

- Summary of operations
- Modification 3 update
- Environmental monitoring
 - Noise
 - Dust
 - Water levels
 - Water quality



Operations

- Have continued at similar intensity since previous meeting.
- Continue to average about 30 trucks per day.
- Main priority continues to be sand, rock crushing occurs more infrequently.
- Recent review of the 2020 financial year indicated total production of 280,000 tonnes.



Modification 3

- Changes to SEPP mean that IPC will no longer be determining Modification 3
 - Number of public objections received was not sufficient to be referred to the IPC under the new guidelines.
- MQ has been advised by Planning that Modification 3 will be determined internally by an independent executive within Planning.
- Draft conditions should be released this month, they will be made available online.
- One week consultation will then occur with a number of parties who have expressed interest.
- A final determination on the conditions of the Modification will then be made.

Environment

- Monitoring results from June are posted on the website.
 - Includes dust to June, the most recent noise assessment (May), water sampling Q1-4 for 2019 reporting year.
 - Quarterly water quality monitoring results which had previously been averaged yearly are now disaggregated.
- End of financial year – reporting water usage under WAL 30111.
 - 27.97 ML used (1 ML = 1,000,000 L).
- Planned installation of particulate dust monitor on site.
 - Will provide continuous monitoring of fine dust PM10, PM2.5 on site.

New monitoring bores

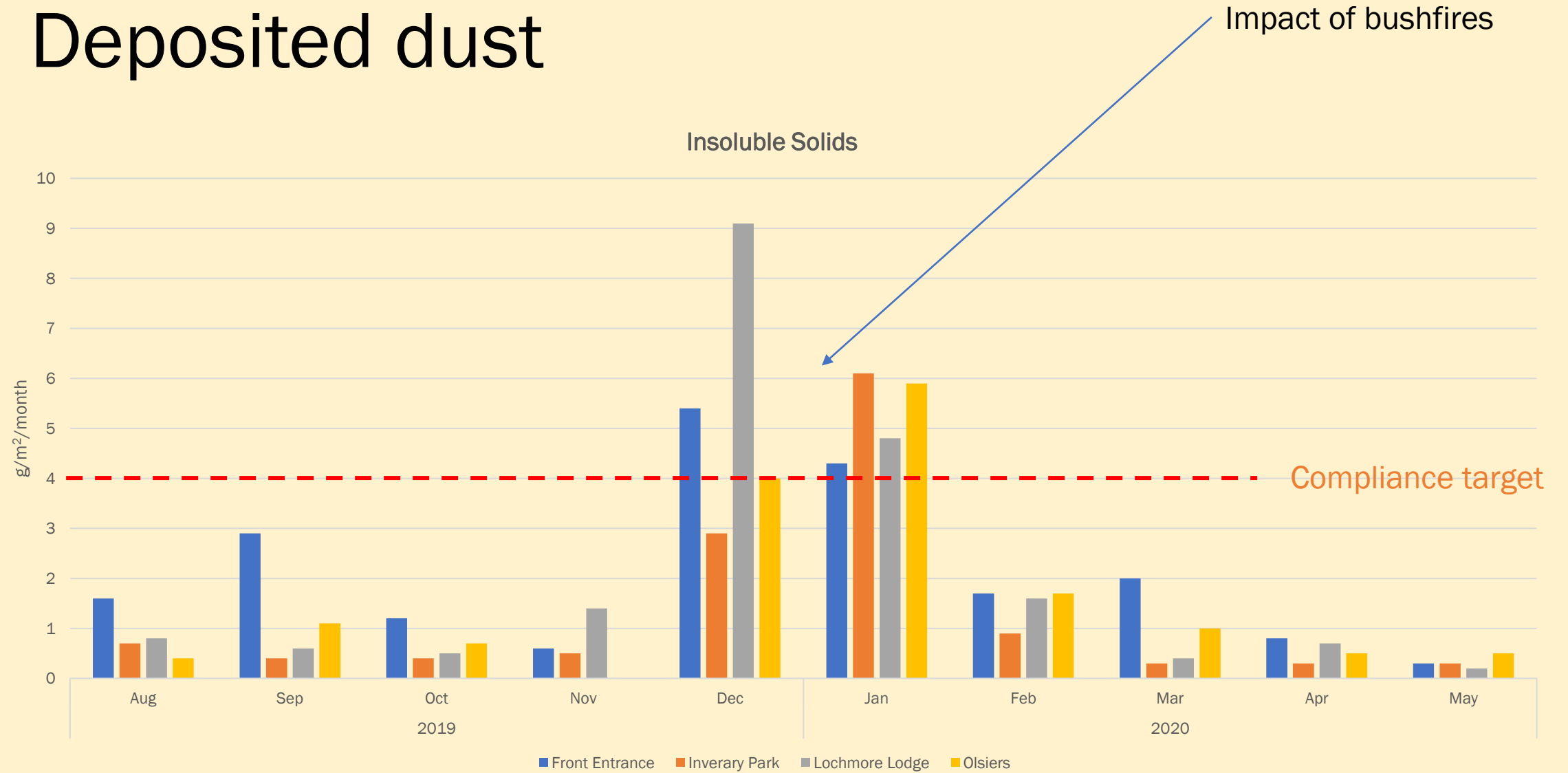
- BHS1-6.
- Screened in sand, outside approved extraction area.
- Depth to water 4-13m below the surface.
- Baseline data for new monitoring bores is on the website.
- Application to vary the EPL has been lodged to include these as monitoring points in the licence.
- Revision to WMP will happen after Modification 3.



Noise

- Noise test undertaken in May by Pulse Acoustics.
- Testing at R3, R6 and the bypass road found the quarry to be compliant with the noise criteria at each location.
- Concern remains among some nearby residences about noise generated in the morning period, especially prior to 8am during noise enhancing conditions.
 - Most complaints regarding noise come from the north-east direction, from receivers along Inverary Road.
- MQ will conduct an additional noise test this winter.

Deposited dust

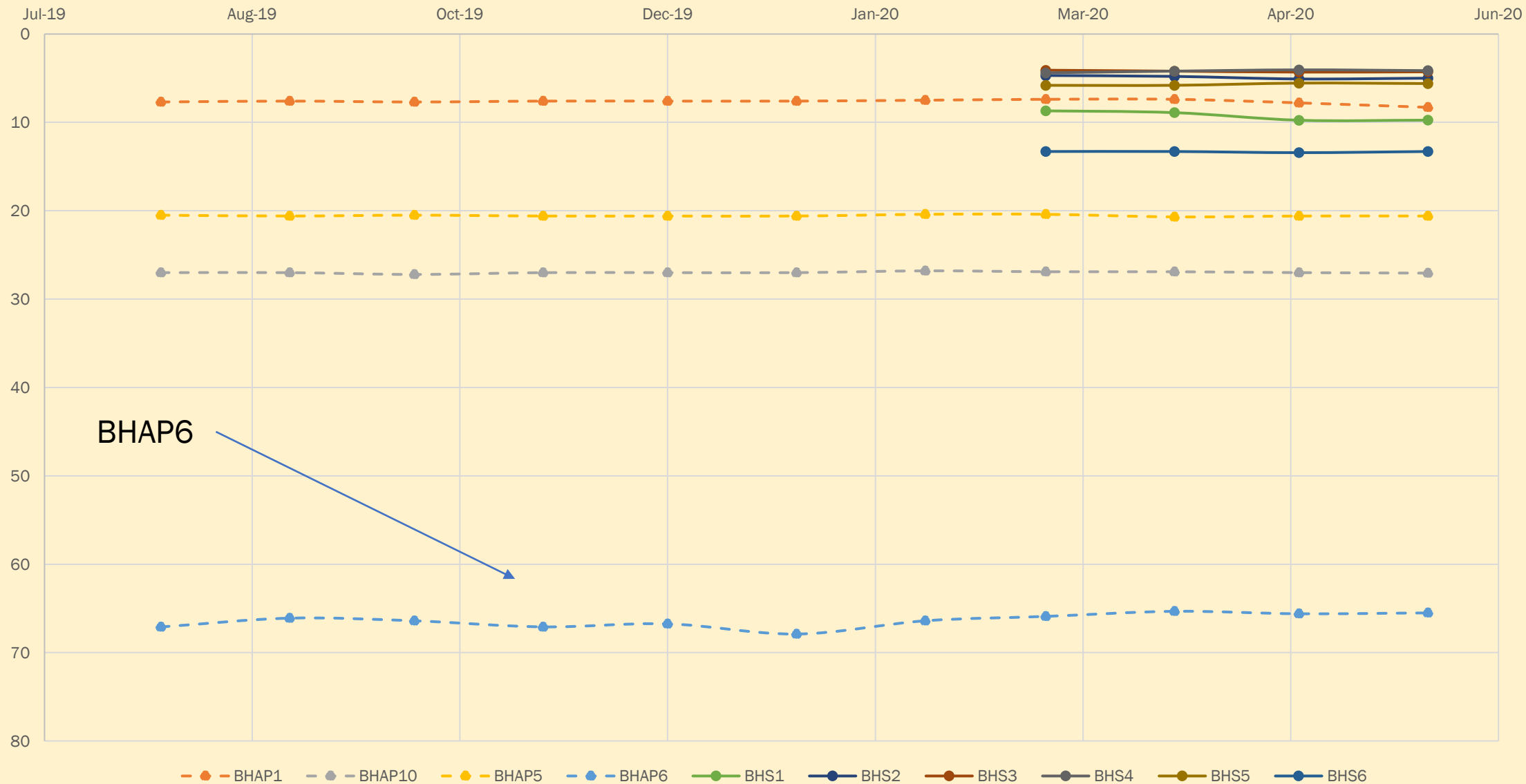


Monitoring bores

- Manual measurements are taken every month.
- BHS1-6 screened in sand/alluvial material throughout the south of the project.
- BHAP1, BHAP5, BHAP10 terminate in rock.
- BHAP6 is a 120m deep bore, screened in sandstone.
- Some sand monitoring bores have shown changes in WL due to adjacent sand mining. BHAP1 has declined, but remains above the levels baseline measurements in 2008.



Mean SWL Depth August 2019 - June 2020



Water sampling

- Sampling is done quarterly for BHS1-6, BH6, Phils spring, Southern spring and annually for BHAP1, BHAP5, BHAP6 and BHAP10.
- No heavy metal contamination was identified this year (August 19-July 20).
- Physical properties of monitoring bores remain consistent with previous monitoring results (e.g. pH, cation/anions).
- No concerning quantity of hydrocarbon contamination was present downstream of the quarry or within the water tables assessed by monitoring.
- Next round of sampling is due September.

Complaints

- Six complaints were received since the previous CCC meeting.
- All related to noise in the morning period.
- The EPA has discussed additional noise complaints they received.
 - One local resident did not directly contact the quarry, although the EPA generally forwards complaints.
- We advised the EPA we would continue to conduct noise monitoring however the EPA is satisfied at this stage that the quarry remains compliant with the noise targets.
 - On the basis of intensive monitoring undertaken by both the EPA and MQ over the previous two years.

Incidents

- One incident since previous meeting – mechanic slipped while working on large metal plant component and had his legs pinned.
- This resulted in medical evacuation to a hospital in Canberra.
- Staff member's injuries were ultimately not serious and he was able to resume work following a brief break.
- WorkSafe NSW investigation.
 - All non-standard maintenance work now requires a risk assessment prior to commencing that job.

Upcoming

- For next meeting:
 - Modification 3 update, expect a determination.
 - Summary of any changes to project approval conditions.
 - Additional environmental monitoring data from June, including particulate matter in the air.
 - Annual Environmental Management Review (annual report).
 - Will be written during September (due October).
 - Detailed overview of the previous years environmental monitoring and quarry operations.
 - We expect the timing of the reporting period to transition from the 21st August (anniversary date) to the calendar year as part of Modification 3.