

including site establishment and construction and at various stages of operations, which is why we refer to these different periods.

9. *I also note from your map that the waste rock stockpile area is approximately 750 metres from my property, whilst the southern most part of the tailings dam is approximately 800m. Please clarify the projected cumulative noise level from the array of machinery and equipment used to crush and move and dump rocks from all areas of your operation to the closest relevant points on my property. Please advise what that equipment and machinery will be.*

There would be a range of equipment required for the transport, crushing and eventual emplacement of materials as well as for construction of the embankment. The following equipment may be used in the vicinity of the embankment.

- Road trucks and haul trucks
- Bulldozers
- Front end loaders
- Hydraulic excavators
- Graders
- A vibrating roller for compaction
- A crushing and screening unit
- A water truck for dust suppression
- A chain saw and mulching unit for vegetation clearing

It should be noted that this equipment would not all be operating at the same time. The Noise Impact Assessment does not consider single sources of noise but the cumulative impact of the entire operation at your residence.

The noise assessment does not isolate single sources or groups of sources to provide an outcome but rather presents the noise levels predicted at your residence for the modelled scenario. These results are included as **Attachment 1**. You may assume that the noise from the operations in the vicinity of the TSF would be equal to or less than that predicted for those scenarios.

10. *Please clarify that the embankment will be 56m high once completed and confirm that it will not be visible from our property.*

As noted in the previous response, no components of the TSF including the embankment would be visible from your property. The embankment would be 56m above ground level.

11. *You state that the open cut mine will result in a reduction in the flow of the Lawsons Creek adjacent to my property by .5ML/day or 2.5%, however in Question 13 you advise that there have been no measured stream flows from the creek and that you are using a generic measure called Australian Water Balance Model. How can you give such a specific figure with no actual baseline measure.*

The Australian Water Balance Model is used to develop a representation (model) of the catchments that contribute water to Lawsons Creek. Ideally the water model would be calibrated to a long-term stream flow record based on monitoring on Lawsons Creek. However, given the very long record of data required to establish accurate levels for calibration, it was not feasible to undertake such monitoring.

The accuracy of the model at your property can not be directly verified, however it is considered the best estimate and therefore an acceptable prediction of the reduction in flow can be made.

