

**RE: APPLICATION FOR A WORKS APPROVAL UNDER THE ENVIRONMENTAL PROTECTION ACT 1986 – REQUEST FOR FURTHER INFORMATION**

Please find below additional information as outlined in Schedule 1 of the Departments letter request for further information (RFI) received on the 11<sup>th</sup> of April 2024, Ref – DER2024/000133. The numbered responses outlined in this document correspond to the numbered information requests within schedule 1.

**Premises boundary**

1. Lodgement of L15/473 was made on the 29th of January 2024, it is expected that granting of the tenement will not take longer than 6 months from lodgement. Land access agreements have been arranged with surrounding stakeholders and are in effect (NGADJU and Karora Resources). There are no further objections to delay the grant of the lease. DMIRS has confirmed the tenement application assessment is underway.

**Occupier status**

2. Company ASIC extract with additional details included in Attachment 1.

**General**

3. Surface water assessment included in Attachment 8E.

4. Waste rock assessment was undertaken, there will be no radioactive material waste associated with the project's open pit waste material. A waste rock assessment overview has been included – please see Attachment 2.

**Landfill**

5. Confirming landfill will only require a Class II.

6. Confirming that only the following waste will be disposed.

- a) Putrescible waste
- b) Inert waste type I
- c) Inert waste type II (tyres only) will be disposed of as permitted in accordance with Environmental Protection Regulations 1987 – REG 14

7. Confirming no more than 1000t of waste will be disposed of annually.

8. Landfill waste will be covered monthly with crushed oxide overburden (waste).

9. Windblown rubbish will be managed by minimising open trench space by directing users to a specific access point of the waste trench to dispose waste. Waste will be compacted where possible, covered with crushed waste on a regular basis to prevent windblown rubbish. The facility will be inspected weekly to ensure trenches are safe, feral animal issues are managed and windblown rubbish is collected.

10. The landfill will be located on the Cade waste rock landform and is expected to be raised above the natural ground level which will protect and prevent localised water flow from accessing the landfill. The landfill on the waste rock landform will have appropriate windrows and bunds installed around the landfill trench to prevent water inundation into the trench during rain events. Bunding will also be placed around the landfill access area to contain water within the landfill access area to prevent runoff away from the landfill access area into the environment.

11. The landfill will be inspected no less than once a week when operational and once a month during suspended, non-active or care in maintenance operations, unless the landfill is covered and considered not in use.

**Disposal of tyres**

12. Heavy and Light vehicle tyres when disposed of will be in accordance with Environmental Protection Regulations 1987 – REG14 disposal of tyres permitted means.

13. Develop prefers to remove Heavy vehicle tyres from site by a licenced waste contractor. Should HV tyres be disposed of onsite it will be in accordance with the above-mentioned Environmental Protection Regulations.

**Bulk chemical storage**

14. Please see below table outlining the maximum Bulk Chemical storage volumes expected for Pioneer Dome:

Hydrocarbon	Storage	Description
Diesel	Workshop generator fuel storage.	1 x 55kl self-bunded storage tank for power supply needs to workshops.
	Heavy and light vehicle fleet vehicles.	4 x 110kl self-bunded tanks for refuelling purposes.
	Other power needs	1 x 55kl self-bunded tank.
Oil	Equipment and maintenance purposes.	6 x 10kl self-bunded tanks located within the mining area and process plant workshops.

**Mine dewatering**

15. A HDPE lined turkeys nest dams (dam or dams) will be constructed near each open pit (Cade Pit and Davey Pit) with an additional two lined processing dams to be constructed within the workshop processing area. A total of 4 lined dams will be constructed. Design details are included in Attachment 3.

16. Dam volumes will be managed by automated level sensors and pumping capacity to either relocate water to alternative holding facilities within the dewatering network. Operational freeboard of 300mm will be maintained within the dams and controlled by means of automated level sensors. Active pipelines and dams will be inspected daily. Inspections will not be undertaken when facilities are not containing water and not active.

17. As outlined in point 16, dams will maintain a freeboard of no less than 300mm. Freeboard will be maintained by automated level sensors and pump arrangements to manage water levels within the set parameters to maintain freeboard and prevent a uncontrolled spill or discharge of water.

18. Simultaneous dewatering of both Cade and Davey pit is expected during the mining sequence. Water discharge is not expected to exceed 0.3GL per annum which is expected to match operational water needs for dust suppression, washdown, road and dump construction activities. Please see groundwater assessment in Attachment 4.

19. Please see updated premises map which outlines dam locations and pipeline routes in Attachment 5.

20. Saline and hypersaline water will only be used for dust suppression on haul roads, work areas, mine areas and waste facilities. Dribble bars instead of water sprays will be used on connecting haul roads for dust suppression where overspray may pose a risk to vegetation nearby road edges.

21. Discharge of excess dewatering water into the Karora pipeline remains an option to Develop. However, will not be part of this application, a separate works approval application will be lodged should this be required.

### **Crushing and screening plant**

22. Please see Attachment 6 which outlines details of the proposed mobile crushing unit for the project.

23. Storm water runoff will be contained within the ROM and workshop areas by means of bunding and windrows. Sediment traps or sumps will be constructed in strategic locations where water may have a tendency to pool or break away from bunds and containment structures.

### **Commissioning and time limited operation**

24. A commissioning phase will not be required as emissions and discharges will be the same during both commencement and the operational phase.

25. Please allow for Time Limited Operations.

26. Application form signature updated and included in the Attachment 7.