

Ticor Archaeological Monitoring At The Fairbreeze Mine

General Method

- 1.1. Sub-aerial depositional dam is defined.
- 1.2. The width and maximum height of the dam (i.e. full capacity) needs to be plotted on a map, or pegged out on the ground.
- 1.3. An archaeological survey will be undertaken to assess the archaeological site (FBZ9) in relation to the position of the dam.
2. Archaeological survey once per month at Fairbreeze mining area, and/or extension mining operations
3. Archaeological report per month regarding outcome of survey.
4. Undertaken on-site awareness with essential personnel at mine.
5. If archaeological excavations are required, they will not hinder the mining process and will be undertaken timeously. Extra funding would be required for these excavations. We do not envision many excavations, and would probably only do a few 2-3 day excavations in total if needed.
6. General permit for destruction of archaeological sites should be obtained, as opposed to site specific. This inhibits continual paperwork for every site recorded, sampled, etc. Permit should include all areas for mining, e.g. A, B, C, and their extensions. In other words, all area that have been archaeologically surveyed since 1995. Archaeologist would need o second this and provide proof of these surveys.
7. Appoint Umlando as the project archaeologists for the Fairbreeze/Hillendale mine. This entails the following:
 - 7.1. **All** projects, or operations, relating to the mines would go through Umlando for approval. This will include roads, dumps, dams, mining areas, office areas, etc. These may require a survey.
 - 7.2. Umlando then replies to the development(s) and cc's a copy to Amafa KwaZulu-Natal for their information.
 - 7.3. Umlando obtains the necessary permits for themselves and Ticor.
 - 7.4. Umlando submits the necessary reports to the required departments.
 - 7.5. Umlando automatically replies to, or answers, queries regarding the archaeological aspect of the mine.
 - 7.6. Ticor "advertises" that it has an archaeologist dedicated to the project.
 - 7.7. Need to discuss payments for desktop work however I suggest the following:
 - 7.7.1. Desktop work is accumulated and not invoiced per item. Invoicé would itemise the work undertaken.
 - 7.7.2. Desktop work is unlikely to be more than 6 working days per year.
 - 7.7.3. This may include relevant on-site, or public, meetings.