

**HERITAGE PROCEDURES FOR THE INGULA  
PUMPED STORAGE SCHEME**

**FOR ESKOM HOLDINGS (Pty) Ltd**

**DATE: 19 NOVEMBER 2008**

**By Gavin Anderson**

**Umlando: Archaeological Tourism and Resource  
Management**

**PO Box 102532, Meerensee, 3901**

**Phone/fax: 035-7531785 Fax: 0865445631 cell: 0836585362**



## INTRODUCTION

A site meeting was held on the 17 November 2008 to set up a heritage management plan for the IPSS. The project has been underway for several years, and most heritage sites would have been recognised by now. The management plan is for those sites that may still occur and to ensure that all suggestions have been undertaken.

The aim of the management plan is:

1. to undertake an heritage audit of all heritage sites and work undertaken
2. to ensure that appropriate permits have been obtained by all parties
3. to identify those area that still require mitigation, e.g. graves
4. to set up a site procedure for heritage site/artefact reporting
5. to ensure that all finds have adequate temporary storage for preservation.

## HERITAGE AUDIT

In order to undertake a heritage audit, I require all heritage reports related to this project. I am trying to source these reports, as there is no database that lists any of the reports or surveys undertaken. Similarly, I require copies of all permits issued to both Eskom and heritage practitioners.

If these cannot be obtained, then the audit cannot be undertaken and the appointment of a project archaeologist is futile. Previous project managers related to this project should assist in this regard.

## SITE INSTRUCTIONS FOR HERITAGE SITES / ARTEFACT REPORTING

The procedure for reporting is as follows:

1. Any person who finds an undemarcated grave, stone wall, fossil, or artefact needs to report it to their supervisor immediately.
2. The supervisor will report it to the Environmental Control Officer (.e.g. Claudia Bennie) and Anville Rhode
3. The Contractor must notify the PM in accordance with Clause 1.13.14 of the Works Information. The PM in conjunction with the Environmental Manager will issue the appropriate instruction.
4. Anville Rhode will photograph the find and send the picture to Gavin Anderson via email<sup>1</sup>. The email will contain basic information such as:
  - a. Who found it
  - b. Where it was found
  - c. The date of the find
  - d. Whether the site will be impacted by the construction activities
  - e. Whether the area has been subsequently demarcated. All demarcated areas are considered as 'no-go' areas for all personal on site.
  - f. Note if the site is damaged and when this occurred (if possible, e.g. during a blast)
5. Gavin Anderson will make a decision if he needs to undertake a site visit, or in the case of palaeontological remains, if Gideon Groenewald needs to visit the site. Gideon Groenewald is the appointed palaeontologist for the project (by Umlando). G. Anderson is on stand-by for any emergency rescue excavations
6. Gideon Groenewald will be informed, via Gavin Anderson, regarding site visits, and correspond with Gavin Anderson regarding all finds and decisions. Gavin Anderson will then report back to Anville Rhode.
7. All artefacts and palaeontological finds should not be disturbed to prevent damage. These finds need to be removed by an authorised person and appropriate storage should be arranged. Eskom will

---

<sup>1</sup> The picture(s) do not need to be large and each should be less than 100kb. More detailed photographs should be sent on request.

arrange for appropriate storage facility for the preservation of the artefacts.

- a. Mr Groenewald and Anderson suggested that a single container be obtained by Eskom for this storage.
- b. No person on site may take any artefacts or fossil remains, without the permission from the permit holder (Gavin Anderson). Anyone caught with artefacts or fossil remains must go through that company's disciplinary hearing with Eskom and G. Anderson present to agree on the outcome. Unauthorised removal of artefacts should be liable to a fine, in addition to the penalty imposed by SAHRA or Amafa KZN.
- c. The container, or room, will have a register where all stored artefacts are listed. All artefacts require correct provenance.
- d. The container will be locked,
- e. Two people should have access to this room: Anville Rhode and Gavin Anderson.
- f. All artefacts, etc. are in the custody of the National Museum, Bloemfontein, Free State (as per permit), or Amafa KZN, Pietermaritzburg. There they will be curated and given accession numbers. If Eskom requires these items for display purposes, they may approach either institution for a (permanent) loan. It would be better (and more cost effective) to take a group of artefacts to the museum, than as individual pieces.
- g. Some artefacts, such as petrified trees will be sampled in two ways. Each sample will be ~1m in length of which a 10cm<sup>3</sup> sample will be removed for identification.
- h. Identification will assist in future sampling. For example, we do not need to salvage 100 fossils of the same tree species, but we do need to ascertain if there is a variety of tree species in the area.

8. Blast instructions regarding palaeontological remains are as follows: (
  - a. Dr Groenewald will demarcate sensitive areas on the site map that will be affected by blasting, as well as those in the general surrounds.
  - b. Dr Groenewald (and I) will be informed of the blasting schedules for these areas, and Mr Groenewald will make himself available to inspect the area after these blasts. Anville Rhode will inform us of these schedules, via the site engineers.
  - c. Some areas may contain fossilised animal remains and need a trained professional to identify these remains.
  - d. Dr Groenewald will report his finds and curation methods to Gavin Anderson, who will in return report to Anville Rhode.
  - e. All reports will be CC'd to the relevant Heritage Authority. However, I will send reports to both Heritage Authorities in any case, otherwise they will have fragmented reports.

These procedures are subject to change and modification, and will probably be refined during the course of the project.

## **GRAVES**

I have contacted SAHRA and Amafa KZN regarding the laws pertaining to human remains. The laws for both Agencies are similar.

The process can be summarised as follows:

1. All human graves are protected by various laws.
  - a. In terms of the National Heritage Resources Act (No. 25 of 1999) graves older than 60 years (not in a municipal graveyard) are protected.
  - b. Human remains younger than 60 years should be handled only by a registered undertaker or an institution declared under the Human Tissues Act.

- c. Anyone who wishes to develop an area where there are graves older than 60 years is required to follow the process described in the legislation (section 36 and associated regulations). The specialist will require a permit from the heritage resources authority:
  - d. This process (in point 'c') will take a **minimum** of 60 days to complete the necessary advertising, etc.
2. In terms of the IPSS, there are several graves that will be affected, of which some are older than 60 years.
  3. All graves should be fenced, or demarcated, as soon as possible.
  4. These areas shall be treated as highly sensitive at all times and no unauthorised person should be allowed to enter the demarcated "No-go" areas without approval of the Project Archaeologist.
  5. All attempts should be made to locate the living relatives of ALL graves to be impacted by the in the IPSS construction footprint, regardless of the degree of disturbance. This needs to be done by a professional person trained in these matters.
  6. Eskom Holdings will be held responsible for the damage to any grave that was not removed and re-interred. These are graves that will not be flooded or directly affected by roads. A 20m boundary around all unaffected graves should be made.
  7. I suggest that the archaeological company that will undertake the grave removal of older graves is at the next site meeting. This will allow them to ascertain exactly which graves may (not) be exhumed by AVBOB<sup>2</sup>.

## **PERMITS**

SAHRA and Amafa KZN issue two types of permits:

---

<sup>2</sup> AVBOB apparently has the contract to undertake exhumations of recent graves (We still need to check if formal contract is in place)

1. To the developer that allows for the damage, alteration or removal of an artefact, site or fossil. This permit would be in Eskom Holdings (Pty) Ltd. name.
2. To the Project Archaeologist (PA) who is responsible for removing artefacts. The PA may appoint someone to remove the artefacts if needs be, e.g. Mr Groenewald will remove the fossil remains.

These permits are not interchangeable and each party should ensure that the permits have not expired. The PA is required to send regular reports to the relevant heritage authority.