

Appin Mine  
Ventilation Shaft No.6 Project

# Environmental Management Strategy



## Heritage Management Plan

## Review History

Revision	Description of Changes	Date	Approved
P0	New Document	31 August 2010	
P1	Issue for Comment	22 September 2010	
P2	Issue for Approval	23 September 2010	
P3	Issue for Approval	14 October 2010	BB
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## 1 OBJECTIVES

The objectives of this Heritage Management Plan (VMP) are:

- Comply with all regulatory requirements set out in the Appin Mine Ventilation Shaft No.6 (VS#6) Project Approval and other legislation with regards to Heritage management;
- Clearly identify the Aboriginal and non-Aboriginal heritage assets in and near the project area;
- Describe procedures for avoiding impact to the heritage assets;
- Describe emergency response procedures in the event of previously unidentified heritage assets being impacted.

The following sections provide some background and details on the management measures required to minimise heritage impacts during the construction and operation of the VS#6.

## 2 LEGISLATIVE AND OTHER REQUIREMENTS

### 2.1 Legislative Requirements

Legislation applicable to heritage management includes but is not limited to:

- *Environment Planning and Assessment Act 1979* (EP&A Act)
- *Heritage Act 1977*
- *National Parks and Wildlife Act* (NP&W Act)

### 2.2 Project Approval Conditions

Project Approval (10\_0079) for the Appin Mine Ventilation Shaft No.6 Project (VS#6) was granted by the Director General of Planning on 4 May 2011 and is available at [www.planning.nsw.gov.au](http://www.planning.nsw.gov.au).

Condition 3.21 of the Project Approval requires that a Heritage Management Plan be prepared and implemented. This condition is:

#### **Heritage Management**

21. The Proponent shall prepare and implement a Heritage Management Plan to the satisfaction of the Director-General. This plan must:
  - (a) be prepared in consultation with DECCW, the Heritage Branch and Council; and
  - (b) be submitted to the Director-General for approval by the end of July 2011.

Comments were received from the Heritage Office, Wollondilly Shire Council and DECCW from their assessment of the draft Heritage Management Plan that formed part of the Environmental Assessment. The matters raised in these submissions have been considered, and where appropriate to do so, addressed in the Heritage Management Plan.

### 3 BACKGROUND DATA

#### 3.1 Site Location

The site is located near the South Western Freeway (Hume Highway) approximately 500 metres to the north-east of the township Douglas Park on the southern edge of the Cumberland Plain in the Sydney metropolitan area.

#### 3.2 Aboriginal Archaeological Sites

The project area contains four known Aboriginal archaeological sites:

- **Harris Creek 2** – Stone artefacts and area of archaeological potential – Moderate archaeological significance,
- **Harris Creek Scarred Tree** – Low archaeological significance,
- **Mountbatten 3** – Scarred tree - Low archaeological significance,
- **Moreton Park Road 1** - Stone artefacts – Low archaeological significance.

Refer to **Figure 1** for a location map.

#### 3.3 Heritage Listed Items

The project area contains four heritage listed items:

- **Morton Park:** Mountbatten Group (SHI database number 2690085).
- **Mountbatten Garden Building:** Mountbatten Group (SHI database number 2690088).
- **Mountbatten House:** Mountbatten Group (SHI database number 2690086).
- **Mountbatten Stone Chapel:** Mountbatten Group (SHI database number 2690087).

Refer to **Figure 1** for a location map.



### 3.4 Aboriginal Heritage

The Aboriginal Cultural Heritage Assessment (Niche 2010a) made the following recommendations with regard to Aboriginal heritage:

1. ***Avoid impact to area of archaeological potential at Harris Creek 2.***  
The construction footprint should not overlap with the boundary of the Harris Creek 2 area of archaeological potential anymore than is currently defined (see **Figure 1**). Appropriate measures to avoid encroachment—such as barrier fencing—should be put in place prior to construction, and remain in place until the final operational layout is completed.
2. ***Avoid further disturbance and harm to Moreton Park Road 1.***  
Construction in the vicinity of Moreton Park Road 1 must remain within the area of previous disturbance, immediately adjacent to the sub-station. There must be no landscaping or impact in the area of the preserved dam bund, which should remain on site.
3. ***Avoid harm to Harris Creek Scarred Tree***  
This site should be protected from impact by barrier fencing during the construction phase.
4. ***Avoid harm to Mountbatten 3***  
This site should be protected from impact by barrier fencing during the construction phase.
5. The locations of all Aboriginal cultural heritage sites should be marked on plans and, as described above, the sites should be secured against inadvertent access during the construction phase of the project.
6. A description of the Aboriginal heritage values and archaeological sites present must be included in any induction or site access procedures for the Vent Shaft No.6 site.
7. Adverse impacts to the cultural landscape should be minimised by limiting vegetation clearing to the bare minimum required to achieve project goals, and by using sympathetic finishes to structures where possible, including screening plantings.
8. An Heritage Management Plan (HMP) should be developed to implement these recommendations and to describe response procedures for:
  - the discovery of Aboriginal objects during the construction phase of the project,
  - unforeseen contingencies that may impact on Aboriginal cultural heritage values.

### 3.5 Non-Aboriginal Heritage

The Heritage Impact Statement undertaken for the VS#6 Project (Niche, 2010b) made the following recommendations:

1. The sympathetic placement of new buildings and structures on the property should continue to be implemented throughout the construction and operational phases of the development.
2. Sympathetic finishes and vegetation screening should be used to screen and separate the new buildings and structures from the heritage items.
3. Vegetation clearing should be minimised, and should not include historical plantings in the vicinity of the Morton Park: Mountbatten Group.
4. A management plan for the construction phase of the project should be developed to:
  - describe procedures for the discovery of suspected archaeological relics during the construction phase of the project;
  - describe procedures for heritage impact assessment in the case of unforeseen contingencies that may impact heritage significance beyond that assessed in this report.
5. As owners of the heritage items discussed in this report BHP Billiton Illawarra should manage and conserve the Mountbatten Group in a manner consistent with its heritage values. This matter will be addressed in more detail in the preparation of the Conservation Management Plan for the Mountbatten Group as required by Condition 3.22 of the Project Approval.

### 3.6 Heritage Awareness

#### 3.6.1 Cultural Heritage Significance

Cultural heritage significance should be included in on-site inductions for all staff and personnel. The induction should describe the heritage values of the area, namely:

- The area is of value to the Aboriginal community, and the community at large, because it contains archaeological sites such as scarred trees and stone artefacts;
- The area is of value to the community at large because it consists of a colonial estate with significant links to the earliest European settlement of the area, and important historical themes such as convict labour.

The areas and items of heritage significance should also be included in inductions for any staff or personnel who are likely to be working near them. The areas and items of cultural heritage significance are indicated in **Figure 1**.

The emergency response procedures described in this Management Plan should be briefly outlined in the site induction.

### ***3.6.2 Types of Heritage that may be encountered during Works***

The types of heritage that may be encountered during works will be archaeological sites, either containing Aboriginal objects or colonial and post-colonial relics, or potentially both.

It is very unlikely that unknown heritage material will be disturbed or encountered during the construction works. However, some examples of heritage items which may be encountered during construction works are described below.

The type of Aboriginal objects that may be encountered include:

- Stone artefacts (usually sharp edged flakes)
- Scarred Trees

The type of colonial or post-colonial relics that may be encountered include:

- Domestic rubbish / items (usually broken – plates, jars, etc)
- Building foundations
- Agricultural machinery or items

## 4 MITIGATION MEASURES

### 4.1 Barrier Fencing

Prior to construction, suitable temporary barrier fencing will be erected around the following sites:

- Harris Creek 2
- Harris Creek Scarred tree
- Mountbatten 3
- Moreton Park Road 1

To avoid doubt the barrier fencing must be inspected by an archaeologist competent in identifying the assets being protected, and assessing whether or not the barrier fencing is suitable for this task. In particular the barrier fencing should perform the following functions at each of the following sites:

- **Harris Creek 2**  
Form a barrier against vehicle or personnel intrusion in to the area identified as potential archaeological deposit (PAD).
- **Harris Creek Scarred tree**  
Protect an area around the trunk approximately the same size as the extent of the tree canopy.
- **Mountbatten 3**  
Protect an area around the trunk approximately the same size as the extent of the tree canopy.
- **Moreton Park Road 1**  
Form a barrier to protect the earthen bund of the former dam.

The barrier fencing must remain in place, and be maintained in good order, until construction works cease in the proximity of the assets being protected.

### 4.2 Minimise Vegetation Clearing

All vegetation clearing must be minimised.

Impact to the hedge plantings to the south of the Mountbatten House (where they are crossed by the proposed Vent Shaft No. 6 access road) must be minimized. Other historical plantings in the vicinity of the Morton Park: Mountbatten Group must not be harmed or disturbed.

### **4.3 Contingency Plans and Sympathetic Development**

Any unforeseen contingencies during the construction phase of the project must have regard for the heritage assets on and in the vicinity of the Vent Shaft No. 6 development.

Appropriate regard should be determined by consideration against this Management Plan, and if necessary referral to an archaeologist or suitably qualified heritage professional for more detailed assessment.

If required, the works associated with the temporary dewatering pipeline must be carefully managed to avoid any possible impact to the Morton Park: Mountbatten Group and Stone Chapel. As well as the requirements established by this Management Plan, the temporary dewatering pipeline should not be laid any closer than 20 m to the stone chapel or other buildings of the Morton Park: Mountbatten Group. Temporary barrier fencing should be erected to establish a corridor within which the works associated with the temporary dewatering pipeline can be confined. Vehicles placing the pipe sections must be light, rubber tyred or rubber tracked vehicles, and should operate in dry ground conditions only. The temporary dewatering pipeline must be removed as soon as it is decommissioned, using the same sympathetic low impact methods as described for construction.

## 5 EMERGENCY RESPONSE PROCEDURES

This procedure applies to circumstances where a known heritage asset is accidentally harmed, or where previously unanticipated heritage assets are discovered during construction.

### 5.1 Aboriginal Heritage

In the event that suspected Aboriginal objects are encountered during construction all work in the area, and all work that may cause further harm, must cease immediately.

- The location should be secured to avoid further harm.
- If there is doubt about the item encountered being an Aboriginal object, a professional archaeologist should be briefed to attend the site and determine this.

If there is no doubt about the items being Aboriginal objects the following people must be contacted:

- An archaeologist
- Tharawal LALC
- Cubbitch Barta Native Title Claimants Association

The archaeologist, Tharawal LALC and Cubbitch Barta must determine the objects' significance, the extent of harm, and whether or not the harm will continue if construction proceeds.

The following agencies should be advised of the discovery, and any plans for mitigation or avoidance of further harm should be also outlined in the advice:

- Department of Planning
- Department of Environment, Climate Change and Water

Steps to avoid or mitigate further harm should be formulated in writing, in an object/site specific management plan, which must at least include an appropriate level of recording and documentation of the object/site.

Work at the site can only resume once a site specific management plan is in place, and written advice from the archaeologist and project manager is completed.

### 5.2 Historical Heritage

In the event that suspected historical relics are encountered during construction all work in the area, and all work that may cause further impact, must cease immediately.

- The location should be secured to avoid further harm.
- A professional archaeologist should be briefed to attend the site, record and document the relic/site in appropriate detail and determine the significance of the relic.

The following agencies will be advised of the discovery as soon as possible:

- Department of Planning
- Department of Planning (Heritage Office) in accordance with the requirements of s146 of the Heritage Act (1977)

Section 146 of the heritage Act (1977) is:

#### **146 Notification of discovery of relic**

A person who is aware or believes that he or she has discovered or located a relic (in any circumstances, and whether or not the person has been issued with a permit) must:

- (a) within a reasonable time after he or she first becomes aware or believes that he or she has discovered or located that relic, notify the Heritage Council of the location of the relic, unless he or she believes on reasonable grounds that the Heritage Council is aware of the location of the relic, and
- (b) within the period required by the Heritage Council, furnish the Heritage Council with such information concerning the relic as the Heritage Council may reasonably require.

Steps to avoid or mitigate further harm should be formulated in writing, in an object/site specific management plan.

Work at the site can only resume once a site specific management plan is in place, and written advice from the archaeologist and project manager is completed.

### **5.3 Human Remains**

In the event that suspected human remains are encountered during construction all work in the area, and all work that may cause further impact, must cease immediately.

- The location should be secured to avoid further harm.
- Police must be contacted.

The following agencies must also be advised of the discovery of human remains, immediately:

- Department of Planning
- Department of Environment, Climate Change and Water
- Heritage Branch, Department of Planning

A professional archaeologist should be briefed to attend the site and observe and record any procedures conducted by the Police or Coroner.

If there is any reason to suspect the human remains are of Aboriginal ancestral origins, the following people must be contacted:

- Tharawal LALC
- Cubbitch Barta Native Title Claimants Association

A site specific management plan must be developed for the location of the discovery of human remains.

Work at the site can only resume once a site specific management plan is in place, and written advice from the archaeologist and project manager is completed. If the human remains are Aboriginal ancestral remains the plan must take into account the wishes of the Aboriginal community.

#### **5.4 Further Assessment Contingencies**

In the event that unforeseen contingencies require work that is substantially outside of the scope of either the Aboriginal Cultural Heritage Assessment (ACHA) or Heritage Impact Statement (HIS) additional heritage assessment must be undertaken. Depending on the scope of the contingency this may involve either an addendum to the ACHA or HIS, or may require new stand alone assessments.

For additional cultural heritage assessment the Tharawal LALC and Cubbitch Barta NTCAC must be consulted.

## REFERENCES

Niche (2010), *Part 3A Cultural Heritage Assessment for the Appin Area 9 Ventilation Shaft Site No. 6 (VS#6)*. Report Prepared for BHPBIC. Niche Environment and Heritage Pty Ltd.