



NTU COMEMORATIVE LAKE

GUIDELINES FOR A PUBLIC ENVIRONMENTAL REPORT

1. Executive Summary

The executive summary should be a concise outline of the matters discussed in the main body of the document, to allow the reader to quickly obtain a clear understanding of the proposal, its environmental implications and management objectives. The summary should include;

- the title of the proposal,
- name and address of the proponent,
- a brief description of the background to and need for the proposal,
- a brief description of the proposal,
- a brief summary of the principal environmental impacts,
- a statement of the proposed environmental management principles and monitoring procedures,
- a brief explanation of the structure and scope of the PER and its legislative basis, and
- a description of the studies / surveys / consultations conducted in developing the proposal and preparing the PER (results of studies and detailed comments resulting from the consultation should be included as appendices).

2. Description of the Proposal

This section should describe the development in sufficient detail to provide an adequate understanding of infrastructure design and engineering, and all stages of construction. Aspects to be covered include, but should not be limited to:

Background

- The need for the project detailing the benefits to the University and general public.
- History of the project and its relationship to the construction of the NTU.

Location and Design Requirements

- Location of development.
- Land tenure and planning issues.
- Design layout and standards, including alignment, drainage, access, construction facilities etc.
- Design limitations imposed by site characteristics including adjacent land use, areas of social significance, services and service corridors (including sewerage) etc.
- Traffic management issues.
- Landscape design.

Construction Phase

- Construction program (timing and duration).
- Physical requirements for construction (to include the nature of earthmoving, sources of fill and construction materials, supplies of water, relocation of services etc.).
- Sourcing and transport of construction materials including heavy vehicle movement (numbers and frequency) on public roads.
- Construction standards, techniques, site management and supervision (including on-site storage and handling of materials).
- Construction wastes and disposal methods.
- Extent and methods of vegetation clearance and site preparatory works.
- Land scaping, soil conservation and rehabilitation measures.

Operational Phase

- Maintenance requirements and operations.
- Management of weeds and introduced species.
- Stormwater, floodwater and tidal water management.
- Sewer pipe management (includes overflow management and erosion/corrosion protection measures).

- Litter management and details of gross pollution traps.
- Predicted recreational uses.

3. Existing Environment

A description of the existing environment that may be affected by the proposal including off site locations is required. These should include, but should not be limited to:

- Topography.
- Surface and sub-surface hydrology, including drainage patterns and storm surge areas.
- Soil characteristics (both physical and chemical), including Acid Sulfate Soils.
- Flora and Fauna, including estuarine communities.
- Sites of significance including historic, archaeological, sacred sites.

4. Environmental impacts

Generally the discussion should use the same descriptors used to describe the existing environment. Types of impacts that should be considered include but are not limited to:

- Impact of changing hydrological conditions on Rapid Creek.
- Potential water quality impacts on both the lake and the downstream receiving waters (includes health implications for recreation within the lake).
- Impacts on the migration of aquatic fauna due to the placement of a damming structure.
- Impacts on the known bent-winged bat colony (*Miniopterus schreibersii*) resident in the drain opening.
- Impact on stormwater drainage from surrounding suburbs.
- Effects of vegetation clearance and disturbance.
- Effects on any heritage or archaeological sites of significance.
- Potential for creation of Biting Insect breeding sites within the lake.
- Impact on recreational uses from biting insect habitats.

5. Environmental Safeguards and Management

This section should provide information on environmental management practices and safeguards proposed to prevent, minimise or ameliorate environmental impacts. A summary table listing undertakings and commitments made in the PER, including performance indicators, with cross-referencing to the text of the report should be provided.

6. Glossary

A glossary defining technical terms and abbreviations used in the text should be included to assist the general reader.

7. References

The reference list or bibliography should be accurate and concise.

8. Appendices

Information relevant to the PER but not suitable for inclusion in the main text should be included as appendices, for example detailed technical or statistical information, maps, baseline data, supplementary reports etc.

9. Administration

The Project Officer is Richard McAllister of the Environment and Heritage Division, Department of Lands, Planning and Environment and can be contacted on phone (08) 8924 4123 or fax (08) 8924 4053

One copy of a "preliminary" draft PER should be lodged with the Environment and Heritage Division for internal review prior to its release for public and advisory body comment.

Once this internal review is finalised, 10 copies of the PER together with 2 CD rom copies should be lodged with the Department of Lands, Planning and Environment for distribution to government advisory bodies. CD rom copies should be in ADOBE®

*.pdf format for placement on the Internet.

Arrangement for the public display, review and purchase of the PER, including locations and number of copies will be made at the time when the preliminary copy of the draft PER is reviewed.