



The Proposed Works

Need

- 2.1 The need for a new main entrance at the Lucas Heights Science and Technology Centre (LHSTC) arises from:
- the age and design of the buildings and gateway entry, in particular the high ongoing cost of the additional guarding required to manage the security at the entrance to the facility;
 - the need to integrate security functions to ensure that access is granted only to authorised, escorted or supervised persons;
 - general public and staff safety issues relating to the current situation of periodic traffic build-up on New Illawarra Road whilst waiting to gain access to the site, particularly during peak hours; and
 - the need for greater efficiency in processing the entry of staff and visitors.¹

Scope

- 2.2 Works required to meet ANSTO's objectives comprise:

¹ Appendix C, Submission No. 1, paragraph 5

- accommodation of any increase in the threat level to the LHSTC;
- an integrated reception facility and gate control to allow contractors and visitors to be received, inducted and processed by ANSTO security staff, before passing through the Australian Protective Security Service (APS) guard officer station and into the facility;
- facilitation of identity-logging of all staff, contractors and visitors as they enter or exit the site;
- application of in-depth security throughout the site;
- relocation of the new entry facility along an upgraded old alignment of New Illawarra Road in an appropriate location to clear the main New Illawarra road at all times;
- development of procedures to facilitate efficient staff entry and exit at peak periods without compromising security;
- inclusion of provision for entry of large vehicles and fast entry of emergency vehicles, if required; and
- consistency in all aspects of the project with the construction and operation of the Replacement Research Reactor (RRR).²

2.3 The ANSTO works proposal consists of:

- construction of the formal entry zone;³
- decommissioning of the existing entrance;⁴ and
- construction of the gatehouse zone.⁵

Entry Zone

2.4 The entry zone will comprise a formal entrance gateway with a grille gate that can be closed off, if necessary to prevent vehicular access to the gatehouse and beyond. The new entrance will be constructed on an upgraded roadway.

2 Appendix C, Submission No. 1, paragraph 6

3 ib id, paragraph 27

4 ib id, paragraph 28

5 ib id, paragraphs 20- 26

Decommissioning of Existing Gateway

- 2.5 Upon completion of the new entrance zone, the existing gateway will be locked and reconfigured to blend in with the surroundings. The old gateway will remain locked, but will be available for emergency use.

Gatehouse Zone

- 2.6 The gatehouse zone is the major item of works, with a total area of 785 square metres.⁶
- 2.7 New facilities for the APS will include new offices and interview rooms, storage areas and staff amenities.⁷ New facilities for ANSTO staff will include new offices, a pass administration and security clearance counter, a staff area and compactus and storage amenities.⁸
- 2.8 The proposed fit-out of the gatehouse zone will incorporate:
- specialised communications systems (data/voice cabling, intercom and mobile radio systems);
 - sanitation and sewerage connected to the existing pump station;
 - water supply connected to the existing system;
 - fire hydrant supply;
 - irrigation sourced from the site's main supply and restricted to landscaped zones close to the buildings;
 - standardised components;
 - dual power supply and standby power supply from generators;
 - critical systems battery back-up/Uninterruptible Power Supply (UPS) for security, communications, emergency lighting and fire systems;
 - an energy/building management system, which controls lighting, electrical equipment, air conditioning and ventilation and monitors energy usage;
 - fire alarm system; and

6 Appendix C, Submission No. 1, paragraph 26

7 ib id, paragraph 31

8 ib id, paragraph 34

- security systems to SCEC endorsed Type 1 Level.⁹

Purpose and Suitability

- 2.9 The proposed works comprise a new main entrance for the LHSTC, with appropriate security, supporting technology and facilities.
- 2.10 ANSTO considered five options for the new main entrance project:
- upgrading the existing entrance gate;
 - utilising the roadway leading from Rutherford Avenue to the carpark between Buildings 1 and 4;
 - utilising the area where the fauna reserve is located;
 - utilising the area occupied by Building 9; and
 - the preferred option.¹⁰
- 2.11 The preferred site lies west of the current gate towards the RRR site. The site is vacant and partly vegetated, with suitable topography for buildings and roads.¹¹ It is considered to be the best option because it:
- is flat and does not interfere with major services;
 - is situated close to major functions within the site;
 - is large enough to accommodate the new works;¹²
 - provides the greatest flexibility for the proposed gate facility footprint and associated car parking, road works and barriers;
 - provides the best site for future expansion; and
 - is cost-effective.¹³

9 Appendix C, Submission No. 1, paragraphs 55 – 75

10 ib id, paragraphs 39 - 45

11 ib id, paragraph 10

12 ib id, paragraph 45

13 ib id, paragraphs 46 and 47

Costs

2.12 Funds for the project were committed in the 2003-2004 Budget. The proposed work is estimated to cost \$10.366 million. This estimate includes:

- appropriate security;
- supporting technology; and
- facilities.¹⁴

Value for Money

2.13 ANSTO considers that Option 5 represents the best value for money, for a number of spatial and site planning reasons. The site provides the greatest flexibility to locate the suggested footprint of the new main entrance facility and its associated car parking, road works and barriers. It also allows for future expansion and does not compromise the intended westerly expansion of the ANSTO Technology Park.¹⁵

14 Appendix C, Submission No. 1, paragraph 7

15 ib id, paragraph 46

