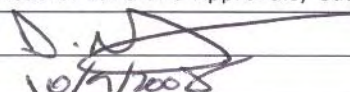


CAMDEN GAS PROJECT EUROPEAN HERITAGE MANAGEMENT SUB PLAN

AGL Gas Production (Camden) Pty Limited
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Document Control European Heritage Management Sub Plan

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Table of Contents

1. Introduction	3
1.1. Objective	3
1.2. Target	3
1.3. Responsibilities	3
2. Requirements	4
2.1. Key Licence/ Development Consent Requirements	4
2.2. Key Legislative and Regulatory Requirements	5
3. Management Measures	7
3.1. Existing Heritage Items	7
3.2. Control Measures – European Heritage	11
3.2.1. Field Specific Requirements and Studies	11
4. Monitoring and Reporting	12
4.1. Records	12
5. Administrative	13
5.1. Site Specific Plans	13
5.2. Attachments	13
5.3. Definitions	13
5.4. Life Guard References	13

1. Introduction

This European Heritage Management Sub Plan (EHMSP) has been prepared to supplement the Environment Management Plan (EMP) for the Camden Gas Project ('the project' or 'CGP').

The EHMSP has been developed to specifically address and manage potential European Heritage issues for all the operations of the CGP and it is based on the previously prepared and approved Environment Health and Safety Management Plans and the AGL Energy Life Guard system. More information is available in the EMP.

1.1. Objective

The objective of the EHMSP is to protect and preserve European cultural heritage. This will be achieved by following recommendations relating to the protection of European heritage sites and values.

1.2. Target

No unauthorised damage to European Heritage sites as a result of CGP activities.

1.3. Responsibilities

Personnel responsible for implementing the requirements of this Sub Plan are described below:

- › Field Environmental and Safety Officer responsible for notifying the NSW Heritage Office in the event that an unrecorded relic is uncovered;
- › Field Environment and Safety Officer responsible for informing site personnel of the heritage management procedures through the site specific induction program;
- › Field Environment and Safety Officer and Land and Compliance Officer responsible for implementing site specific heritage recommendations as required;
- › Field Environment and Safety Officer, Land and Compliance Officer and Project Manager responsible for monitoring procedures and reporting as required;
- › Land and Compliance Officer responsible for landowner consultation with assistance from the Project Manager in addressing and managing incidents and complaints in relation to heritage management; and
- › All employees/ contractors are responsible for following the induction requirements that arise from their work activities onsite, so as to minimise the environmental impact.

2. Requirements

2.1. Key Licence/ Development Consent Requirements

Table 1 lists the key licence and development consent requirements for the CGP in relation to European Heritage.

Table 1: Licence Requirements and Conditions of Consent - European Heritage

Reference	Requirement
DA 15-1-2002: 71 (Sch 3) Fields – RPTP, Apap, Joe Stanley, Johndilo, Loganbrae, Lipscombe, Mahon	<p>If, during the site preparation and/or drilling phases of the development, an unexpected archaeological relic is uncovered, excavation shall cease and an excavation permit under the Heritage Act 1977, shall be obtained from the NSW Heritage Office.</p> <p>Note: a relic is defined under the Heritage Act as any deposit, object or material evidence:</p> <p>(a) which relates to the settlement of the area that comprises NSW, not being Aboriginal settlement; and</p> <p>(b) which are more than 50 years old.</p>
DA 246-8-2002i: 28B (Sch 3) Field – Kay Park	<p>The Applicant shall ensure that, if any historical archaeological relics within the meaning of the Heritage Act 1977 are disturbed, the Heritage Council of NSW shall be notified in accordance with section 146 of the Heritage Act 1977.</p>
DA 282-6-2003i: 89-90A (Sch 4) Fields – RPGP, Rosalind Park, Wandinong, EMAI (EM01-20, 38-40), Glenlee (GL05, 07-10, 14-17)	<p>89. The Applicant shall implement all mitigatory measures listed in Sections 7.1, 7.2 and 7.3 of the report titled “Statement of Heritage Impact for Land within the Elizabeth Macarthur Agricultural Institute NSW Agriculture, Menangle” by Geoffrey Britton dated September 2003.</p> <p>90. The Applicant shall ensure roadside plantings for sites EM16, EM18, EM19 and EM20 are strengthened using the species outline provided in the report titled “Statement of Heritage Impact for Land within the Elizabeth Macarthur Agricultural Institute NSW Agriculture, Menangle” by Geoffrey Britton dated September 2003.</p> <p>Note: a relic is defined under the Heritage Act as any deposit, object or material evidence:</p> <p>(a) which relates to the settlement of the area that comprises NSW, not being Aboriginal settlement; and</p> <p>(b) which is more than 50 years old.</p> <p>90A. The Applicant shall ensure that, if any historical archaeological relics within the meaning of the Heritage Act 1977 are disturbed, the Heritage Council of NSW shall be notified in accordance with section 146 of the Heritage Act 1977.</p>
DA 183-8-2004: 16A (Sch 2) Field – Mount Taurus and Menangle Park (MP13-17, MP30)	<p>The Applicant shall ensure that, if any historical archaeological relics within the meaning of the Heritage Act 1977 are disturbed, the Heritage Council of NSW shall be notified in accordance with section 146 of the Heritage Act 1977.</p>

Reference	Requirement
DA 75-4-2005: 45-6 (Sch 2) Field - Sugarloaf	45. The Applicant must ensure that should any historical relics be uncovered, excavation or disturbance of the area is to stop immediately and the Heritage Council of NSW is notified within a reasonable time of the discovery or location of these relics. Archaeological assessment and approval, or endorsement, may be required prior to works continuing in the affected area(s) based on the nature of the discovery. 46. An Interpretation Study being prepared to the satisfaction of the Director, Heritage Office and executed by the Applicant within 6 months of the date of this approval.
DA-171-7-2005: 33-4 (Sch 3) Field – El Bethel NB. Not commenced	33. No work is permitted within the rail corridor or its easements unless the prior approval or a Rail Site Works Licence has been entered into with the Australian Rail Track Corporation. 34. As the proposal is located in the immediate vicinity of a heritage item (Nepean River underbridge Menangle – rail ref: 64.8 km, and Menangle Station (old building), the Applicant must retain the services of a heritage expert/architect to supervise works that are in close proximity to the heritage items in order to conserve heritage values.
PA 06_0291: 21 (Sch 3) Fields – Spring Farm, Menangle Park	The Proponent shall ensure that the location of wells or other infrastructure avoid or minimise any impacts on the heritage significance of any State Heritage Register listed items in the project area.

It is a requirement of all development consents that work be carried out generally in accordance with the relevant Environmental Impact Statement (EIS) or Environmental Assessment (EA), which incorporates any specific recommendations or commitments related to heritage.

2.2. Key Legislative and Regulatory Requirements

Table 2 lists the key New South Wales and Commonwealth legislation and policies that relate to heritage. The Register of the National Estate and the State Heritage Register list items of national and state heritage significance and items of local significance are listed in local environmental plans (LEPs). The following LEPs are applicable to the project:

- > Camden Local Environmental Plan 121 – Spring Farm (LEP 121);
- > Camden Local Environmental Plan 46 (LEP 46);
- > Camden LEP No. 47; and
- > Campbelltown LEP 2002;
- > Wollondilly Local Environmental Plan 1991 (LEP 1991).

The LEPs listed above contain items in the project area which have been identified as being of local heritage significance. Development of, or in proximity to, these items may be required to address specific requirements to achieve compliance.

Table 2: Legislation and Policies - European Heritage

Legislation / Policy	Relevance
NSW Environmental Planning and Assessment Act (EP&A Act) 1979	<p>The EP&A Act and the EP&A Regulation include provisions to ensure that proposals which have the potential to impact the environment are subject to detailed assessment, and provide opportunity for public involvement. Section 121S of the EP&A Act states that:</p> <p>(2) A person must not give an order under this Division in respect of an item of the environmental heritage to which this section applies until after the person has considered the impact of the order on the heritage significance of the item.</p> <p>(3) A person must not give an order under this Division in respect of an item of the environmental heritage to which subsection (1) (a) applies until after the person has given notice of the order to the Heritage Council and has considered any submissions duly made to the person by the Heritage Council.</p>
NSW Heritage Act 1977	<p>The purpose of the NSW Heritage Act 1977 is to ensure that the non-Aboriginal cultural heritage of NSW is adequately identified and conserved. The Act is concerned with all aspects of conservation ranging from the most basic protection against damage and demolition, to restoration and enhancement.</p> <p>Section 57 of the Act lists the activities that require approval from the Heritage Office if an item is subject to an Interim Heritage Order or is on the State Heritage Register. Certain activities may not require approval under standard exemptions under S57(2).</p> <p>Section 139 prohibits disturbance of a relic unless it is conducted in accordance with an "excavation permit from the Heritage Council".</p> <p>Section 146 requires that the discovery of a previously unknown relic be reported to the Heritage Council within a reasonable time of its discovery.</p>
Sydney Regional Environmental Plan 20 – Hawkesbury-Nepean	<p>Sydney Regional Environmental Plan 20 – Hawkesbury-Nepean (SREP 20) applies to certain land within the Hawkesbury-Nepean Catchment, including certain land within the local government areas (LGAs) of Camden, Campbelltown and Wollondilly.</p> <p>SREP 20 includes specific planning considerations and recommended strategies for cultural heritage and lists certain items of heritage value. The REP requires assessment of potential impacts on listed items.</p>
Commonwealth Environment Protection and Biodiversity Conservation Act 1999 (EPBC Act)	<p>The EPBC Act requires the approval of the Commonwealth Minister for the Environment and Heritage for actions that may have a significant impact on matters of National Environmental Significance (NES). Approval from the Commonwealth is in addition to approvals required under NSW legislation.</p> <p>There are currently no World or Commonwealth heritage places identified within the project area.</p>

3. Management Measures

3.1. Existing Heritage Items

Heritage items located within CGP are listed below in Table 3.

Table 3: Existing Heritage Items within the Camden Gas Project Area

Area	Item	Address	Listing			
			LEP	SREP 20	SHR	RNE
All	Upper Canal System (Prospect Reservoir)	Crosses several LGAs including Camden, Campbelltown & Wollondilly.	✓ Wollondilly		✓	
Razorback	Wooden Mile Post	Razorback Road	✓ Wollondilly			
	Mount Hercules Group	Mount Hercules Group	✓ Wollondilly			
Elderslie	Galvin Cottage	Corner of Galvin and Macarthur Road.		✓		
	Bruchhauser House	23 Bruchhauser Crescent	✓ Camden			
	Studley Park House	52 Lodges Road	✓ Camden		✓	
	Hilsyde	56 Hilder Street	✓ Camden			
Glen Alpine	Glen Alpine (second house)	12 Belltrees Close	✓ Campbelltown			✓
	Glen Alpine (site of original house).	Arlington Crescent	✓ Campbelltown			✓
Ambarvale	Englorie Park	2 Parkholme Circuit	✓ Campbelltown			✓
Bradbury	St Helens Park	Appin Road	✓ Campbelltown		✓	
	Denfield	Appin Road, St Helens Park.	✓ Campbelltown		✓	✓
Gilead	Sugarloaf Farm	Menangle Road			✓	
	'Mount Gilead', group, house, outbuildings, dam and mill	Part Lot 1 DP 807555, Appin Road	✓ Campbelltown	✓		
Menangle	Camden Park (house and garden)	Elizabeth Macarthur Avenue	✓ Wollondilly	✓	✓	✓

Area	Item	Address	Listing			
			LEP	SREP 20	SHR	RNE
	Menangle Rail Bridge	Over Nepean river	✓ Wollondilly	✓	✓	
	Menangle Railway Station Group	Main Southern Railway	✓ Wollondilly		✓	
	Barrigal Monument and Vista	Camden Park Drive near Barrigal Lagoon	✓ Wollondilly			
Menangle	Camden Park Estate Central Creamery	Station Street	✓ Wollondilly			✓
	Camden Park Rotolactor	Station Street	✓ Wollondilly			✓
	Dairy No. 4	Woodbridge Road (EMAI)	✓ Wollondilly			
	Gilbulla (Anglican Conference Centre).	Moreton Park Road	✓ Wollondilly			
	Menangle Gate Lodge	46 Woodbridge Road	✓ Wollondilly			
	Menangle Store	57 Menangle Street	✓ Wollondilly			
	Railway Station	Off Station Street	✓ Wollondilly			
	St James Anglican Church	Menangle Road	✓ Wollondilly			✓
	St Patrick's Roman Catholic Church	Menangle Street	✓ Wollondilly			
Narellan	Studley Park	Camden Valley Way			✓	✓
Narellan	Anglican Cemetery	6 Richardson Road	✓ Camden			
	Burton Arms Inn	322 Camden Valley Way	✓ Camden			
	St Thomas Church Hall	1A Wilson Crescent	✓ Camden			
Camden South	Begenny Farm (Group)	100 Elizabeth Macarthur Ave	✓ Camden			
	Camden Park Lodge, Former	224 Old Hume Highway	✓ Camden			
Cawdor	House, Slab House and Hayshed	Cawdor Road	✓ Wollondilly			
	Methodist Church Group	Cawdor Road	✓ Wollondilly			

Area	Item	Address	Listing			
			LEP	SREP 20	SHR	RNE
	Slab Hut and Trees	470 Cawdor Road	✓ Wollondilly			
Camden		20, 21, 25, 27, 28 Hill Street	✓ Camden			
	1, 5, 7, 9 Menangle Road	Menangle Road	✓ Camden			
	70, 72, 74, 76, 78, 80 John Street		✓ Camden			
	Camden Park Estate Group	Camden Park Estate	✓ Wollondilly	✓	✓	✓
	Camden Park Estate and Belgenny Farm (EMAI)	Elizabeth Macarthur Avenue			✓	
	Camden Park Estate and Belgenny Farm (EMAI)	Remembrance Driveway			✓	
	Camden District Hospital	61 Menangle Road	✓ Camden			
	Camden Valley Inn	Remembrance Drive	✓ Wollondilly			
	Dairy No 8	Remembrance Drive	✓ Wollondilly			
	Dairy No 9	Remembrance Drive	✓ Wollondilly			
	Dr Crookstons House	75 John Street	✓ Camden			
Camden	Masonic Lodge	36 Hill Street	✓ Camden			
	Old Methodist Parsonage	33 Hill Street	✓ Camden			
	St John's Church, Cemetery and Slopes	6 & 10 Menangle Road	✓ Camden			✓
	St Johns Hill and John Street Conservation Area	St Johns Hill, John Street				✓

Area	Item	Address	Listing			
			LEP	SREP 20	SHR	RNE
	St Johns Church Group	Comprising: St John the Evangelist Church; St John's rectory and stables; and St John's Church grounds, as bounded by Menangle Road, Broughton Street and rear of subdivisions fronting Alpha Road and Forrest Crescent, including: cemetery, lych gate and trees.	✓ Camden			✓
	Thurns Weir	Between Camden and Menangle		✓		
	Macarthur Family Cemetery	South of the Camden Park Estate Road, being an extension of Elizabeth Macarthur Avenue.				✓
Glenlee	'Glenlee' House, outbuildings, garden and gatelodge	Glenlee Rd East, Menangle Park	✓ Campbelltown		✓	✓
Menangle	Menangle Park Racecourse / Paceway	Menangle Park		✓		
	Menangle Railway Viaduct	Over Nepean River, between Gillead and Menangle suburbs	✓ Wollondilly		✓	✓
	Menangle Weir	Below rail bridge, Menangle Park		✓		
	Menangle House	Corner of Menangle Rd and Racecourse Ave, Menangle Park		✓		✓
	'NESBITT' residence	196 Macarthur Road, Spring Farm	Camden			
	'EMAI' lands	EMAI, Camden Park	✓ Wollondilly		✓	✓

It should be noted that a number of heritage items are also under consideration for possible SHR listing, having been the subject of nominations. These include:

- › Yamba, 165 Camden Valley Way, Elderslie;
- › St. John's Church Group, Menangle Road/ Broughton Street, Camden;
- › Mount Gilead, Appin Road, Gilead (suburb);
- › Glen Lorne, Appin Road, Gilead (suburb);
- › Humewood / Beulah, Appin Road, Gilead (suburb); and
- › Meadowvale, Appin Road, Gilead (suburb).

3.2. Control Measures – European Heritage

Table 4 describes control measures to be implemented both generally and specific to project activities to minimise impacts to items of European Heritage.

Table 4: Control Measures - European Heritage

Activity	Action	Area		Responsibility
		RPGP	Field	
Pre-Activity	Select locations of wells, access roads and gas gathering lines to avoid items of heritage significance where possible by redesign or relocation of proposed infrastructure and/ or activities.		✓	Field Environment and Safety Officer
Construction, Operation, Rehabilitation	Brief personnel/ contractors prior to excavation during the site specific induction on heritage issues and on the appropriate course of action if any historic relics are discovered.	✓	✓	Field Environment and Safety Officer/Gas Plant Manager
Construction, Operation, Rehabilitation	Maintain existing vegetation which provides screening of works and minimise removal of vegetation where possible.		✓	Field Environment and Safety Officer
Construction, Operation, Rehabilitation	Implement the recommendations of heritage assessments, where relevant. (Note: a list of relevant documents is provided in Section 4.1 of this EHMSP)	✓	✓	Field Environment and Safety Officer/Gas Plant Manager
Construction, Operation, Rehabilitation	If any historic relics, as defined by the Heritage Act 1977 are identified in the course of activities, then works in the vicinity of the finds are to cease immediately, and an archaeologist from the NSW Heritage Office is to be contacted, and an appropriate course of action implemented.	✓	✓	Field Environment and Safety Officer/Gas Plant Manager/Land and Compliance Officer

3.2.1. Field Specific Requirements and Studies

There are some field specific heritage requirements for particular gas fields and activities. These are:

- › Retention of a heritage expert for activities associated with the underbore of the Main Southern Railway.

Table 5: Field Specific Requirements and Studies

Aspect	Action
Underbore of Main Southern Railway DA 171-7-2005: 34 (Sch 3) El Bethel NB. Not commenced	Retain the services of a heritage expert/architect to supervise works that are in close proximity to the heritage items in order to conserve heritage values.

4. Monitoring and Reporting

Personnel responsible for various monitoring and reporting are indicated in Section 1.3. Complaints and incidents related to heritage management will be recorded, addressed and reported in accordance with sections 5.3.4 and 6.5 of the EMP and with this Sub Plan.

Monitoring to ensure works are being carried out in compliance with this Sub Plan will be done by:

- > Site specific inductions;
- > Toolbox meetings;
- > Spot checks;
- > Regular site inspections; and
- > Review of records including minutes of site specific inductions and toolbox meetings, the complaints register and incident reports.

Reporting will be undertaken where required and will be made available to the appropriate personnel. It is the responsibility of the Field Environment and Safety Officer.

4.1. Records

The following is a list of documents containing European Heritage assessments undertaken for the CGP:

- > Environmental Assessment (EA) – Camden Gas Project Joint Venture Stage 2 Drilling Program, Razorback Wells (RB03-RB12), HLA Envirosciences Pty Ltd (HLA), 2006a
- > EA – CGP Joint Venture Stage 2 Drilling Program: EMAI Wells (EM23 – EM36), HLA, 2006b;
- > EA – CGP Joint Venture Stage 2 Drilling Program: Spring Farm and Menangle Park Project Area, HLA-ENSR, 2007;
- > Dibden, J (2003) Camden Gas Project Stage 2 – Archaeological and Heritage Assessment. Report prepared for Sydney Gas Operations Pty Ltd;
- > Dibden, J (2000) Camden Gas Project Stage 1 – Archaeological and Heritage Assessment. Report prepared for Sydney Gas Operations Pty Ltd.

5. Administrative

5.1. Site Specific Plans

Currently not applicable.

5.2. Attachments

Currently not applicable.

5.3. Definitions

Under the NSW Heritage Act, a 'relic' is defined as:

relic means any deposit, object or material evidence:

- (a) which relates to the settlement of the area that comprises New South Wales, not being Aboriginal settlement, and
- (b) which is 50 or more years old.

5.4. Life Guard References

Heritage Conservation – LG-HSE-CG-076