Part A - Major Development Plan July 2007

appendices

Appendix 1 Consistency of the MDP with S91 requirements

This appendix indicates the relevant requirements under s91 of the Airports Act for the contents of a MDP and demonstrates that this MDP is consistent with these requirements.

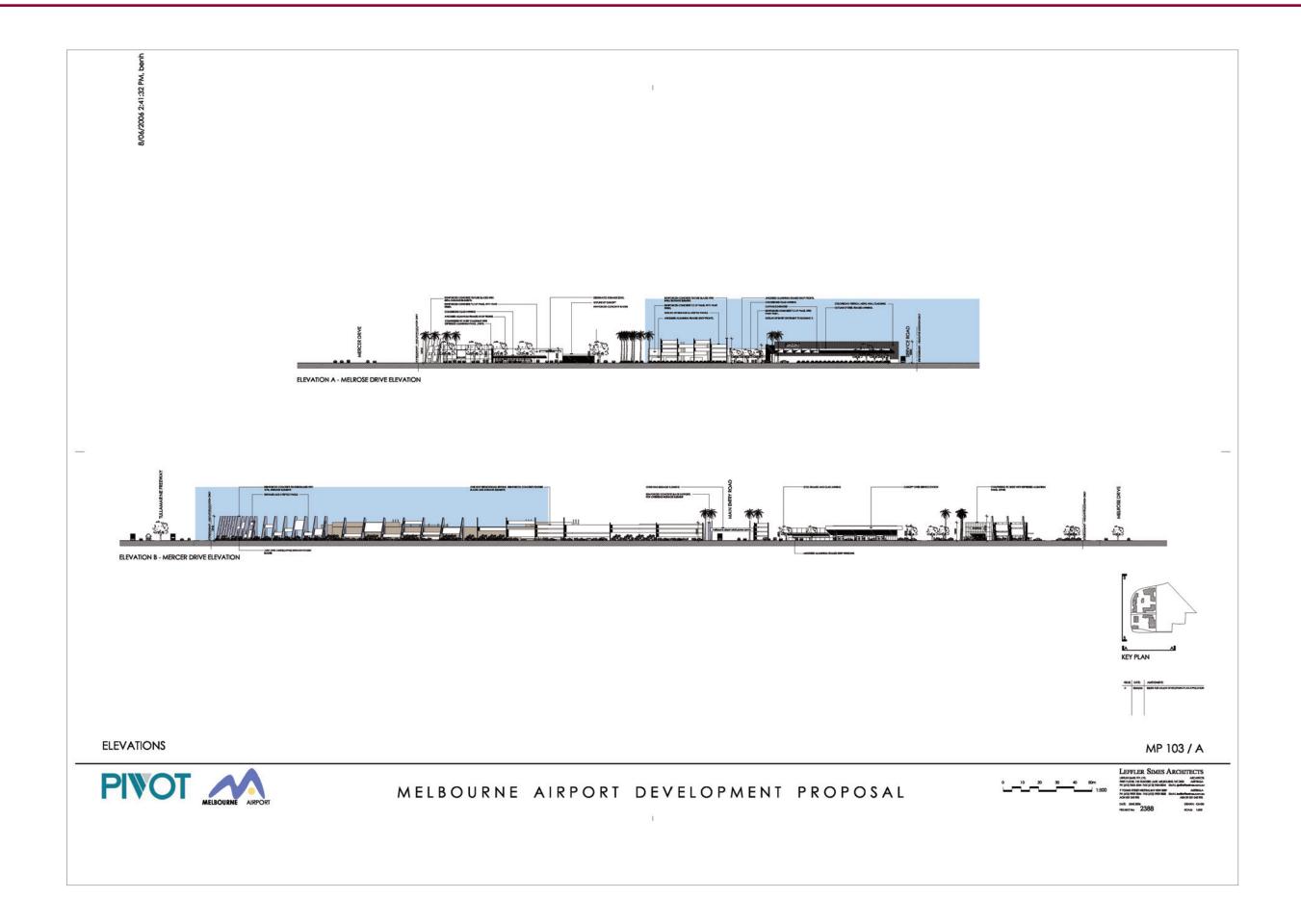
S91	Contents of a major development plan	Relevant section(s) of this MDP
1	A major development plan, or a draft of such a plan, must set out: (a) The airport-lessee company's objectives for the development; and	2.3
	(b) The airport-lessee company's assessment of the extent to which the future needs of civil aviation users of the airport, and other users of the airport, will be met by the development; and	Section 4.2 & Chapter 6
	(c) a detailed outline of the development; and	3
	(d) if a final master plan for the airport is in force – whether or not the development is consistent with the final master plan; and	4.2
	(e) if the development could affect noise exposure levels at the airport – the effect that the development will be likely to have on those levels; and	3.7
	(f) the airport lessee company's plans, developed following consultations with the airlines that use the airport, local government bodies in the vicinity of the airport and – if the airport is a joint user airport – the Department of Defence, for managing aircraft noise intrusion in areas forecast to be subject to exposureabove the significant ANEF levels; and	3.7
	(g) an outline of the approvals that the airport-lessee company, or any other person, has sought, is seeking or proposes to seek under Division 5 or Part 12 in respect of elements of the development; and	Not applicable
	(h) the airport lessee company's assessment of the environmental impacts that might reasonably be expected to be associated with the development; and	Chapters 8 & 9
	(j) The airport-lessee company's plans for dealing with the environmental impacts mentioned in paragraph (h) (including plans for ameliorating or preventing environmental impacts); and	Chapters 8 & 9
	(k) if a draft environmental strategy has been approved – the date of the approval; and	8.1
	(I) such other matters (if any) as are specified in the regulations.	Not applicable

Part A - Major Development Plan July 2007

S91	Contents of a major development plan	Relevant section(s) of this MDP
2	Paragraphs (1) (a) to (k) (inclusive) do not, by implication, limit paragraph (1)(l).	Noted
3	The regulations may provide that, in specifying a particular objective, assessment, outline or other matter covered by subsection (1), a major development plan, or a draft of such a plan, must address such things as are specified in the regulations.	Noted
4	In specifying a particular objective or proposal covered by paragraph 1(a) or (c), a major development plan, or a draft of such a plan, must address the extent (if any) of consistency with planning schemes in force under a law of the State or Territory in which the airport is located.	4.2
5	Subsection (4) does not, by implication, limit subsection (3)	Noted
6	In developing plans referred to in paragraph (1)(f), an airport-lessee company must have regard to Australian Standard AS2021 – 1994 ("Acoustics – Aircraft noise intrusion – Building siting and construction").	3.7 (The relevant standard - AS2021 is now 2000 not 1994)
7	Subsection (6) does not, by implication, limit the matters to which regard may be had.	Noted

Appendix 2 Development Plans





Appendix 3 Perspective drawings

perspective



perspective



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Appendix 4 Relevant environmental legislative framework

	Í	CINVINCINIEN FAL LEGISLATIC	AL LEGISLA HON/REGULA HONS & GUIDELINES/S LANDARDS	INES/STANDARDS
Issue		Commonwealth Legislation & Regulations	State Legislation & Regulations	Guidelines/Standards
Noise	•	Airports Act 1996	Environment Protection Act 1970	 AN2021 Acoustic – Aircraft Noise
	•	Airports (Environment Protection) Regulations) 1997	State Environment Protection Policy Control of Noise from Commerce. Control of Noise from Commerce.	Intrusion Building Siting and Construction 2000
	•	Air Navigation (Aircraft Noise) Regulations 1984	Occupational Health and Safety (Noise)	A critice to the incastirement and Analysis of Noise (EPA Victoria) 1991
			Regulations 2004	 Designation of Types of Zones and Reservations in the Metropolitum Region Planning Schemes for the Purposes of State Environment Protection Policy (Control of Noise from Commerce, Industry and Trade) No N-1 (EPA Victoria) February 2000
				Melbourne Airport Operational Safety Policy: Ground Running of Aircraft July 2000
				Noise Control Guidelines (EPA Victoria) 1992
	•	Airports Act 1996	Environment Protection Act 1970	il g
	•	Airports (Environment Protection) Regulations) 1997	Environment Protection (Vehicle Emissions) Regulations 2003	Air Emissions and Air Quality (EPA Victoria) December 2002
	•	Air Navigation (Aircraft Engine Emissions) Regulations 1995	 Industrial Waste Management Policy (Protection of the Ozone Layer) 2001 	Protocol for Environment Management: Minimum Control Requirements for Stationary Sources (EPA Victoria) January
	•	Air Navigation (Fuel Spillage) Regulations 1999	Industrial Waste Management Policy (National Pollutant Inventory) 1998	2002
	•	Environment Protection and Biodiversity	National Environment Protection Council	Greenhouse Gas Emissions and Energy

Eminormental Legislabon/Regulations & Guidelines/Standards 2005 Update

Issue	Commonwealth Legislation & Regulations	State Legislation & Regulations	Guidelines/Standards
	Conservation Act 1999	Act 1995 (Vic)	January 2002
	 Fuel Quality Standards Act 2000 	State Environment Protection Policy	 Managing Emissions of Volatile Organic
	National Environment Protection Council Act 1994	(Ambient Air Quality) 1999 State Environment Protection Policy (Air	Compounds (FPA Victoria) November 2003
	 National Environment Protection (Air Toxics) Measure 2004 	Quality Management) 2001	ir Quafity
	National Environment Protection (Ambient Air Quality) Measure as varied July 2003		Victorian Greenhouse Strategy (NRE) 2002
	National Environment Protection (National Pollutant Inventory) Measure as varied June 2000)		
	Ozone Protection and Synthetic Greenhouse Gas Management Act 1989		
	 Ozone Protection and Synthetic Greenhouse Gas (Import Levy) Act 1995 		
Water	Airports Act 1996	Environment Protection Act 1970	Australian and New Zealand Guidelines
	 Airports (Environment Protection Regulations) 1997 	Industrial Waste Management Policy (National Pollutant Inventory) 1998	for Fresh and Marine Water Quality (Environment Australia) May 2000
	National Environment Protection (National Pollutant Inventory) Measure as varied	State Environment Protection Policy (Waters of Victoria) 1988	 Septic Tanks Code of Practice - Guidelines for Environmental Management (EPA Victoria) March 2003
	June 2000	 Variation to the State Environment Protection Policy (Waters of Victoria) insertion of Schedule F6. Waters of Port Phillip Bay 1997 	 Disinfection of Treated Wastewater – Guidelines for Environmental Management (FPA Victoria) September 2002.
		 Variation to the State Environment Protection Policy (Waters of Victoria) – insertion of Schedule F7. Waters of the 	A Guide to the sampling and analysis of waters, wastewaters, soils and wastes

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Eminormental Legislabon/Regulations & Guidelines/Standards 2005 Update

Issue	Commonwealth Legislation & Regulations	State Legislation & Regulations	Guidelines/Standards
		Yarra Catchment 1999	(EPA Victoria) March 2000
		State Environment Protection Policy (Groundwaters of Victoria) 1998	 Groundwater Sampling Guidelines (EPA Victoria) April 2000
		 Trade Waste Regulations 1994 No 141 – By-Law No 332: Water Act 1989 	 McDourne Airport Operational Safety Policy: Spill Prevention and Response, March 1999
			Use of Reclaimed Water – (inidelines for Environmental Management (EPA Victoria) November 2003
	Airports Act 1996	Catchment and Land Protection Act 1994	 Guidelines for the Assessment and
Contamination	 Airports (Environment Protection) Remistions) 1997 	Conservation, Forest and Lands Act 1987	Management of Contaminated Sites (ANZECC) 1992.
	National Environment Protection	 Industrial Waste Management Policy (National Pollutant Inventory) 1998 	 Environmental Auditor (Contaminated Land) - Guidelines for Issue of Certificates
	(Assessment of Site Contamination) Measure 1999	 State Environment Protection Policy (Prevention and Management of 	and Statements of Environmental Audit (EPA Victoria) October 2002
	 National Environment Protection (National Pollutant Inventory) Measure as varied June 2000 	Contaminated Land) June 2002	 A Guide to the sampling and analysis of waters, wastewaters, soils and waste (EPA Victoria) March 2000
Soil Erosion		Catchment and Land Management Act 1994	Construction Techniques for Sediment Pollution Control (EPA Victoria) May
		 Conservation, Forests and Lands Act 1987 	1991
			Environmental childrenies for Major Construction Sites (EPA Victoria) February 1996
			Control of Erosion on Construction Sites (Soil Conservation Authority) 1984

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Eminormental Legislabon/Regulations & Guidelines/Standards 2005 Update

Issue		Commonwealth Legislation & Regulations	State Legislation & Regulations	Guidelines/Standards
Dangerous	•	Civil Aviation Regulations 1988	 Dangerous Goods Act 1985 	Australian Code for the Transport of
Goods			 Dangerous Goods (Storage and Handling) Regulations 2000 	Dangerous Goods by Road and Rail (6" Edition) 1998
			Occupational Health and Safety Act 2004	 Bunding Guidelines (EPA Victoria) December 1992
			 Occupational Health and Safety (Ashestos) Regulations 2003 	Code of Practice for Pipeline, Road Tanker Compartment and Underground Tank
			 Occupational Health and Safety 	Identification (AIP) July 2003
			(Hazardous Substances) Regulations 1999	 Code of Practice for Selective Couplings for Road Tankers Dedicated to Aviation Fuel (AIP) July 2003
				 Code of Practice for the Operation and Maintenance of Aviation Fuelling Vehicles (AIP) 2000
				 Code of Practice for the Design, Installation and Operation of Underground Petroleum Storage Systems (AIP) 2002
				 Code of Practice for the Removal and Disposal of Underground Petroleum Storage Tanks (AIP) 1994
				Cinidelines on the Design, Installation and Management Requirements for Underground Petroleum Storage Systems (EPA Victoria) March 2003
				 AS 1910 Storage and Handling of Flammable and Combustible Materials 2004
Waste	•	National Environment Protection (Used Packaging Materials) Measure as varied	Environment Protection Act 1970	Guidelines for the Management of PCBs

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Eminormental Legislabon/Regulations & Guidelines/Standards 2005 Update

Issue	Commonwealth Legislation & Regulations	State Legislation & Regulations	Guidelines/Standards
	July 2004	Environment Protection (Resource Lettering A. A. 2002)	(EPA Victoria) December 2001
	National Environment Protection	rationally) Set 2002	The Trumsport and Disposal of Waste
	States and Territories) Measure as varied	Mastes) Regulations 1998	Classification for Contaminated Soil =
	December 2004 Airports (Environment Protection)	 Industrial Waste Management Policy (National Pollutant Inventory) 1998 	Industrial Waste Management Policy (Prescribed Industrial Waste) (EPA
	Regulations 1997	 Industrial Waste Management Policy (Prescribed Industrial Waste) 2000 	Victoria) October 2002 Polychlorinated Bipheny Is Management
		 Industrial Waste Management Policy (Movement of Controlled Waste between States and Territories) 2001 	Plan (ANZECC) April 2003.
		 Occupational Health and Safety (Asbestos) Regulations 2003 	
		 Occupational Health and Safety (Major Hazard Facilities) Regulations 2000 	
		 State Environment Protection Policy (Used Packaging Materials) 2000 	
		 Trade Waste Regulations 1994 No 141 By-Law No 332: 	
		Water Act 1989	
Flora, Fauna	Airports Act 1996	 Catchment and Land Protection Act 1994 	 Victoria's Biodiversity Strategy (NRE)
and Ecological Sienificant	 Airports (Environment Protection) 	 Flora and Fauna Guarantee Act 1988 	19938
Areas	Regulations) 1997 Australian Heritage Council Act 2003	 Flora and Fauna Guarantee Regulations 2001 	Victoria's Native Vegetation Management A Framework for Action (NRE) 2002
	Environment Protection and Biodiversity	Wildlife Act 1975	
	Conservation Act 1999	 Wildlife Regulations 2002 	

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Environmental Legislabon/Regulations & Guidelines/Standards 2005 Update

Issue		Commonwealth Legislation & Regulations	State Legislation & Regulations	Guidelines/Standards
	•	Environment Protection and Biodiversity Conservation Regulations 2000		
Land Management	•	Environment Protection and Biodiversity Conservation Act 1999	Catchment and Land Protection Act 1994 Waste Management Policy (Stime Design)	
	•	Environment Protection and Biodiversity Conservation Regulations 2000	and Management of Landfills) 2004	
Aboriginal and European	٠ و	Aboriginal and Torres Strait Islander Heritage Protection Act 1984	 Archaeological and Aboriginal Relics Preservation Act 1972. 	
Heritage	•	Airports Act 1996	 Archaeological and Aboriginal Relies 	
	•	Airports (Environment Protection) Regulations 1997	Preservation Regulations 2003 Ileritage Act 1995	
	•	Australian Heritage Council Act 2003	 Heritage (General) Regulations 1996 	
	•	Native Title Act 1993	 Land Titles Validation Act 1994 	
	•	Protection of Movable Cultural Heritage Act 1996		
Airport	•	Airports Act 1986		 Environmental Guidelines for Major
Development	•	Airports (Building Control) Regulations 1996		Construction Sites (RPA Victoria) February 1996
	•	Environment Protection and Biodiversity Conservation Act 1999		
	•	Environment Protection and Biodiversity Conservation Regulations 2000		

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Appendix 5 Phase 1 environmental site assessment

PHASE 1 ENVIRONMENTAL SITE ASSESSMENT – SITE INSPECTION CHECKLIST

Name of site	Proposed Retail Precinct Melbourne Airport
Location	Area of land between Tullamarine Freeway and Melrose Drive Melbourne Airport
Date of Assessment	3 December 2002
Name of Assessors	Jeanette Tasevski & Bryan Perry

Site Inspection Item	Findings
1. Known past property uses	Acrial pholographs indicate past uses of
List past known property uses.	the area were grazing pasture and farm- related buildings and structures.
2. Current property uses	Used for grazing of cattle and pasture
List all current property uses.	improvement
Hazardous Materials	Asbestos cement sheet pieces found on
Compile an inventory of hazardous materials on site including weater	site which may be the remains of an old farm shed.
Unidentified Substances	No unidentified substances present.
Compile an inventory of all unidentified substances on site.	
5. Storage Tanks	Near the southern boundary of the site a
Compile an inventory of all above and below ground storage tanks including size and age	vent was discovered. Vent pipe may be associated with a disused UST or sewage pipe. Requires further investigation.
6. Storage Containers	A few empty 10-15 litre drums on site,
Document presence, condition and where possible, contents of all storage containers.	however, there was no evidence of contamination.
7 Odours	No pungent adours detected
identity and describe all pungent adours including possible source.	
8. Polable Water Supply	No potable water sources.
Identify and describe all sources of potable water.	
9. Heating and Cooling Systems	No heating or cooling systems.
Identify and describe freeling and cooling systems including fuel source and method to release waste substances.	
10. Stains	No visible staining.
Identify and describe all stains within buildings along with possible source. The proximity of drains and watercourses should be noted.	
11. Drains and Sumps	Open drains evident on site that lead to
Document the location and condition of all floor drains and sumps.	farm dams. All dams with the exception of one were dry.

Site Inspection Item 12. Observations of Adjoining Describe relevant teatures of adjoining properties and buildings.	Findings Surrounded by Long Term car park to the north, Airport Motel to the south, Tullamarine Freeway to the east and Melrose Drive to the west.
13. Lopographic, geologic and hydrogeologic	I lat topography
conditions	Silty clays overlying basalt
Observe and note topographic, geologic and hydrogeologic teatures.	5 (5) 5 (5)
14 Structures	Structures observed on site include:
Observe and describe structures or other improvements on the property.	Switch yard – no evidence of contamination
	 Brick building 73 and 74 (APAM) containing old car park booths and inert waste.
15. Wells	None
identify and describe existing and abandoned wells.	19 (19 (19 (19 (19 (19 (19 (19 (19 (19 (
16. Sewage disposal	Not applicable
Identify and describe method of sewage and/or trade waste disposal.	
17 Pits and Lagoons	A number of dry farm dams observed on
Identify and describe artificial pits and lagoons	site One large dam contains water
18. Stained Materials	None.
identify and describe stained materials (e.g. soil, asphalt).	
19. Stressed Vegetation	Not observed, pasture improvement
Identify and describe location and extent of stressed vegetations.	program implemented in the past hence evidence of sown grass.
20. Fill	Evidence of imported fill in some locations
ldentify and desenbe areas that appear to be filled of material from unknown origin.	however, there was no evidence of contamination.
21 Wastewater	Not observed
Identify and describe westewater or other liquid discharge points.	
22. Watercourses, Ditches or Standing Water	A number of dry farm dams observed on
Identify and describe surface water features of the property	site. One large dam contains water.
 Roads, Parking Facilities and Rights of Way Identity roads, streets, parking facilities or rights of way 	Evidence of old road constructed of crushed rock on site. Roads leading into switchyard and brick buildings 73 and 74.
through the property.	
24 Other observations	Some areas contain inert waste
	Groundwater bore on site

Part A - Major Development Plan July 2007

Discussion

The area audited is mostly undeveloped land with a switchyard and two brick buildings (73 & 74) located at the southern end of the site.

There was some general inert rubbish observed on site however there was no evidence of contamination.

There were two areas observed on site that contained the remains of asbestes cement sheet walls. This material will need to be removed by an approved waste disposal company and disposed to an appropriately licensed facility before the commencement of construction on site.

Imported fill was evident in some areas however, there was no evidence of soil contamination.

A groundwater well was observed on site and issues associated with removal or ongoing monitoring will need to be addressed before construction commences on site

At the southern end of the site a vent was observed however, it could not be determined whether the vent was associated with an underground storage tank. This will need to be investigated before construction commences on site.

Recommendations

- As past history of the site indicate that area was used for farming purposes and current uses extend to the switchyard and brick buildings /3 and /4 used for storage, no soil contamination is suspected. No further soil testing is recommended.
- I urther investigation into the vent pipe observed on site is required.
- Asbestos cement sheet observed on site should be removed before the commencement of construction
- Ongoing management and/or removal of the groundwater monitoring bore should be further investigated.

MELBOURNE AIRPORT PHASE 1 SITE ASSESSMENT - SITE INSPECTION

Name of site: Proposed Retail Development

Location: Melrose Drive
Date of assessment: 18 August 2006

Name(s) of assessor(s): Sally White and Bryan Perry

Site Inspection Item	Findings
Known past property uses List past known property uses.	Aerial photographs indicate past uses of the area were grazing pasture and larm-related buildings and structures.
Current property uses List all current property uses	Used for grazing of cattle and pasture improvement
Hazardous materials Compile an inventory of hazardous materials on site including wastes.	N/A
Unidentified substances Compile an inventory of all unidentified substances on site.	N/A
Storage tanks Compile an inventory of all above and below ground storage tanks including size and age.	N/A
Storage containers Document presence, condition and where possible, contents of all storage containers.	N/A
Odours Identify and describe all pungent odours including possible source	No odours detected on site.
Potable water supply Identify and describe all sources of potable water	No potable water sources.
Heating and cooling systems Identify and describe heating and cooling systems including fuel source and method to release waste substances.	N/A
 Stains Identify and describe all stains within buildings along with possible source. The proximity of drains and watercourses should be noted. 	No visible stains detected on site
Drains and sumps Document the location and condition of all floor drains and sumps.	Evidence of open unlined drainage on site.
 Observations of adjoining Describe relevant features of adjoining properties and buildings. 	Mercer Drive is located to the north. Tullamarine Freeway is situated to the east. Qanlas Joey Club Child Care Centre is located to the south. Metrose Drive is located to the west.
Topographic, geologic and hydrogeologic conditions Observe and note topographic, geologic and hydrogeologic features.	Flat topography. Silty clays overlying basalt.
14. Structures Observe and describe structures or other improvements on the property.	Structures observed on the site include a substation – with no evidence of staining around the facility. A groundwater monitoring bore belonging to the Department of Sustainability and Environment

	was also identified near the northern boundary of the site.
15. Wells Identify and describe existing and abandoned wells.	None
16. Sewage disposal Identify and describe method of sewage and/or trade waste disposal.	N/A
17. Pits and lagoons Identify and describe artificial pits and lagoons	No pits or lagoons were identified on the site.
 Stained materials Identify and describe stained materials (e.g. soil, asphall) 	None
Stressed vegetation Identify and describe location and extent of stressed vegetation.	Pasture improvements program undertaken in the past hence evidence of sown grass.
Fill Identify and describe areas that appear to be filled of material from unknown origin.	No evidence of imported fill.
Wastewater Identify and describe wastewater or other liquid discharge points.	Not observed.
Watercourses, Ditched or Standing Water Identify and describe surface water features of the property.	No evidence of standing water on the site.
Roads, parking facilities and rights of way ldentify roads, streets, parking facilities or rights of way through the property.	Gravel road to the west of the site and gravel entry road at the north east corner of the site.

Discussion

The area audited is undeveloped land which had previously been used for grazing. Evidence of pasture improvement work was evident on site.

Waste materials such as asbestos cement sheet walls detected during the Phase 1 Assessment in 2002 have since been removed from the site.

There was no evidence of imported fill on the site and no evidence possible soil contamination detected

A groundwater well was observed on site which is the property of the Department of Sustainability and Environment. This well must be protected during future construction works.

A small portion of the site near the Tullamarine Freeway features some planted Eucalypt and grassland species.

Recommendations

- Past history of the site indicates that the area was used for farming purposes and current
 uses, no soil contamination is suspected. However, as a precaution, soil testing prior to
 construction of the retail development is recommended.
- The site does feature a small amount of native vegetation adjacent to the Tullamarine Freeway. It is recommended that this vegetation is incorporated into future development.
- A groundwater monitoring bore which is the property of the Department of Sustainability and Environment must be retained during construction.

Appendix 6 Cultural heritage report by Dr. Vincent Clark and Associates

Archaeological Sub-surface Investigations at Aboriginal Sites AAV7822/1333 and 1447

Report to Australia Pacific Airports (Melbourne) Pty. Ltd.

JUNE 2006

Vincent Clark



1st Floor, 98 Fletcher Street, Essendon, Victoria 3040 207 Ashbourne Road, Woodend, Victoria 3442

Sub-surface archaeological investigation of sites AAV7822-1333 and 1447, Melbourne Airport

Executive Summary

Dr. Vincent Clark & Associates Pty Ltd undertook this study for Australia Pacific Airports (Melbourne) Pty Ltd (hereafter Melbourne Airport). The aim of the study was to provide further information about two Aboriginal cultural heritage sites that had been recorded during earlier field surveys of areas of land owned by Melbourne Airport (Clark et al 2002; Clark et al 2003).

Site AAV7822 – 0133 was identified during a field survey of southern and eastern sections of land owned by Melbourne Airport (Clark 2002). It is located to the north of Annandale Road, close to the edge of the escarpment of the Maribyrnong River valley and close to the western boundary of the airport land (see Figures 1 and 2). It was recorded as a surface scatter of stone artefacts. The area around the site was identified as being likely to contain sub-surface indigenous archaeological deposits.

Site AAV7822 — 1447 was identified as a surface scatter of stone artefacts during a field survey of land lying between Melrose Drive and the Tullamarine Freeway, to the southeast of the Melbourne Airport terminal precinct (Clark et al 2003).

Recommendations arising from both field surveys were that the sites should be further investigated if any development was to be proposed in their immediate vicinity. This further investigation was to be by means of subsurface testing, to determine their nature and extent and to enable appropriate management strategies to be implemented. As a result of these recommendations, Melbourne Airport requested the consultant to undertake sub-surface testing of both sites. This report details this further investigation and its results.

The consultant has discussed the project with the Wurundjeri Tribe Land Compensation and Cultural Heritage Council Incorporated and obtained consent from them to undertake the further investigation. The consultant also obtained an excavation permit (Form C) from Aboriginal Affairs Victoria (Attachments 1 and 2).

The sub-surface testing was undertaken on 29 and 30 March 2006 by Vincent Clark and Sarah Collins (the consultants) and Shane Nicholson (a representative of the Wurundjerl Tribe Land Compensation and Cultural Heritage Council Inc.).

A total of 23 test holes were dug at site AAV7822 - 1333 and 25 test holes were dug at site AAV7822-1447. At both sites the ground was found to have been disturbed previously by ploughing and by other activities in the post-contact period. At site AAV7822/1333, a total of 95 artefacts were found,



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Sub-surface archaeological investigation of sites AAV7822-1333 and 1447, Melbourne Airport

artefacts being identified in 14 of the 23 test holes excavated. No cultural heritage material was identified at site AAV7822/1447.

This report finds that:

- Site AAV7822 1333 is an extensive artefact scatter that potentially contains 1000s of artefacts; and
- Site AAV7822 1447 is a small, localised, surface artefact scatter and there do not appear to be any significant sub-surface cultural deposits.

All Aboriginal cultural heritage sites in Victoria, whether previously recorded or as yet unrecorded, have legislative protection under Victorian and/ or Commonwealth legislation. Details are provided in Appendix 1 of this report. Permission to disturb a site is required from the relevant Aboriginal community, as identified in the Schedule to the *Aboriginal and Torres Strait Islander Heritage Protection Act* 1984, in this case the Wurundjeri Tribe Land Compensation and Cultural Heritage Council Inc. Consent to disturb both sites during construction work has been sought and this has been granted by the Wurundjeri, conditional upon a number of requirements that are set out in the Consent document for each site (see Attachment 3). Site construction works were completed on 11 March 2003.

Recommendations

Site AAV7822 - 1333

Protection of Aboriginal Cultural Heritage

 Damage to all Aboriginal cultural heritage sites should be avoided if possible. It is recommended that this site be incorporated into a buffer zone along the western boundary of the subject land in order to protect and preserve aboriginal cultural heritage in this area. This zone should extend at least 50m eastwards from the western boundary fence.

Requirement to Obtain Permission to Disturb Aboriginal Sites

If it is proposed to disturb the site, written permission will be required
in advance from the Wurundjeri Tribe Land Compensation and Cultural
Heritage Council Inc. Melbourne Airport should consult with the
Wurundjeri at least three months prior to any proposed disturbance, to
allow the Wurundjeri to determine appropriate conditions that would
be included in any consent to disturb or destroy sites.

Further Investigation of the Site if it is to be Disturbed

 Prior to any proposed disturbance of the site, further archaeological investigations, in the form of test pit excavations, should be undertaken at the northern end of the site in the vicinity of test pits 11,



2

Sub-surface archaeological investigation of sites AAV7822-1333 and 1447, Melbourne Airport

13, 15, 16, 22 and 23 and in the vicinity of pit 5. The purpose of this would be to further elucidate the nature of the site by the controlled excavation of a larger sample of data.

Artefacts recovered during Sub-surface Testing

 Artefacts collected from the site during the sub-surface testing should be placed in a durable and secure container and relocated to a secure place in the vicinity of the site. The location of these artefacts should be noted and advised to Aboriginal Affairs Victoria.

Site AAV7822 - 1447

Protection of Aboriginal Cultural Heritage

Damage to this site should be avoided if possible. If this can be achieved then the area of the site should be stablised to prevent further erosion or damage to it.

Requirement to Obtain Permission to Disturb Aboriginal Sites

6. If it is proposed to disturb the site, written permission will be required in advance from the Wurundjeri Tribe Land Compensation and Cultural Heritage Council Inc. Melbourne Airport should consult with the Wurundjeri at least three months prior to any proposed disturbance, to allow the Wurundjeri to determine appropriate conditions that would be included in any consent to disturb or destroy sites.

Further Investigation of the Site if it is to be Disturbed

7. Prior to any proposed disturbance of the site, artefacts should be recovered from it. This would require the collection of artefacts visible on the surface and digging by shovel and sleving of the surrounding soil in an area of approximately 1 - 2m around the artefact deposit. This should be undertaken by an archaeologist and a representative of the Wurundjeri. Any artefacts recovered should be relocated to a place agreed to between the Wurundjeri and Melbourne Airport. Permission to disturb this site must be obtained from the Wurundjeri.



Appendix 7 Copies of reports cited in section 8.2.3



Phone: (03) 9432 5905 Fax: (03) 9432 5202 Mobile: 0411 868 147

92 Albion Cres., GREENSBOROUGH, VIC. 3088 P.O. Box 360, GREENSBOROUGH, VIC. 3088 ABN: 25 519 569 232

chech we requirer

27/12/02

Ms Jeanette Tasevski Environment Manager Melbourne Airport Locked Bag 16 Gladstone Park VIC 3043

Dear Ms Tasevski,

re: Area to be assessed for significant flora at Melbourne Airport (between Tullamarine Freeway and Melrose Drive)

The site almost entirely comprises previously cultivated or otherwise highly disturbed land dominated by introduced species, primarily in the form of Cocksfoot and Rye-grass pasture. A very small area (less than 0.05 ha) near the south-eastern corner supports vegetation dominated by a small range of indigenous wetland species - these appear to have colonised this area as a consequence of locally impeded drainage resulting from the construction of Melrose Drive.

A total of 16 indigenous species were observed within the subject land, mostly as incidental specimens scattered within the overwhelmingly introduced vegetation. A small range of native species have also colonised the verges of the main dam. None of the species recorded on-site are considered significant at the State or National level, or listed under any relevant threatened species legislation. While Plains Grassy Wetland is considered a significant habitat, the small wetland in the south-eastern corner of the subject land appears adventive, and lacks the range of associated herbaceous species of more intact remnants.

Due to the obvious impacts of prior landuse and consequent character of the vegetation, it is not considered that there is any need for any future assessment of the vegetation in relation to indigenous flora values. A list of indigenous species recorded within the subject area is attached.

Dryles hood

Yours faithfully.

Douglas Frood

Principal, Pathways Bushland and Environment

AIRPORT LAND BETWEEN TULLAMARINE FREEWAY AND MELROSE DRIVE, 13/12/02

16 indigenous vascular plant species were recorded, as follows.

Indigenous Species

Agrostis avenacea var. avenacea

Amphibromus nervosus

Atriplex semibaccata

Austrodanthonia fulva

Austrodanthonia duttoniana

Austrodanthonia carphoides

Austrodanthonia racemosa

Austrodanthonia setacea

Chloris truncata

Eleocharis acuta

Enchylaena tomentosa

Juncus flavidus

Lythrum hyssopifolia

Portulaca oleracea

Pseudognaphalium luteoalbum

Sclerolaena muricata var. villosa

Common Blown-grass

Common Swamp Wallaby-grass

Berry Saltbush

Copper-awned Wallaby-grass

Brown-back Wallaby-gras

Short Wallaby-grass

Stiped Wallaby-grass

Bristly Wallaby-grass

Windmill Grass

Common Spike-sedge

Ruby Saltbush

Yeliow Rush

Small Loosestrife Common Purslane

Jersey Cudweed

Grey Roly-poly



WILDLIFE PROFILES P/L

P.O. Box 500, Heidelherg, Victoria 3084, Australia. Tel: (03) 9499 6897. Muh: 0429 339697. Fax: (03) 9499 6865. e-mail: wildlife.profiles@higpond.com

4 Septembor, 2002

Ms Jeanette Pagliaro Environment Manager Melbourne Airport Locked Bag 16 Gladstone Park, VIC 3043

Doar Ms Pagliaro,

re: Proposed new works areas – Melbourne Airport. Habitat considerations.

Thank you for the opportunity to undertake the field inspection of the three potential development sites with Brian Perry, Sally White and yourself on Tuesday, 3rd August.

The first site examined was during the installation of a power pole in potential Striped Legless Lizard habitat south of Link Road, according to provisions of permit number F2002-34448 issued under Regulation 17 of the Environment Protection and Biodiversity Conservation Regulations 2000. No legless lizards were detected during this procedure, and habitat disturbance was minimal.

The second site examined is adjacent to the Airline Maintenance Area, proposed to be developed as part of Australia Post facilities. That part of the site west of the access road supports mown degraded native grassland of Wallaby grasses, with numerous soil crevices and invertebrate burrows. As such it constitutes potential habital for the threatened Grassland Earless Dragon (Tympunocryptis pinguicolla). I would advise that targeted survey be undertaken for this species, by endoscopic inspection of potential sheller sites. One day should be adequate for this work.

The area of this site east of the access road is highly disturbed grassland dominated by exotic grasses and weeds. As such it is unlikely to comprise habitat for either the Striped Legless Lizard or the Grassland Earless Dragon, and survey work should not be necessary. However, as there is some surface rock present, I would advise that a quick inspection be undertaken at the same time as that in the western portion of the site.

The third site between Methose Drive and the Tullamanine Freeway, comprises highly disturbed grassland of infroduced species, which shows evidence of cultivation and pasture 'improvement'. As such, it would be unsubtitle habitat for either the Striped Leglass Lizard or the Grassland Earless Dragon, and no further survey works should be required in this area.

I hope those comments are usoful. Please contact me should you require clarification of any points or further information.

Yours sincerely

Peter Robertson Principal, Wildlife Profiles

Wildlife Profiles Pty. Ltd. A. B.N. 30 061 149 219

Threatened Species Assessment Update - Proposed Retail Development

Location:

The location of the proposed retail development is shown on the plan in Appendix 2. The plot stretches from the eastern side of Mercer Drive to a north-south line approximately 300 metres castwards and is approximately 500 metres from the Tullamarine Freeway in the north to Melrose Drive in the south.

Previous Inspections

The area has been included within the following previous assessments by external consultants

August 2002

Assessed by Peter Robertson of Wildlife Profiles in company with Melbourne Airport Environment Section personnel and the AEO. Mr Robertson considered that the Striped Legless Lizard and the Grassland Earless Dragon were the threatened species that the area should be assessed for, and subsequently reported (see Appendix 7) that "The third site between Melrose Drive and the Tullamarine Freeway, comprises highly disturbed grassland of introduced species, which shows evidence of cultivation and pasture improvement. As such, it would be unsuitable habitat for either the Striped Legless Lizard or the Grassland Earless Dragon, and no further survey works should be required in this area."

Describer 2002

Assessed by Douglas Frood of Pathways Bushland and Environment. Mr Frood subscapently reported (see Appendix 7) that "A total of 16 indigenous species were observed within the subject land, mostly as incidental specimens scattered within the overwhelmingly introduced vegetation." and "None of the species recorded on-site are considered significant at the State or National level, or fisted under any relevant threatened species legislation."

September 2004

This covered a further assessment by Peter Robertson of Wild Life Profiles to assess the likelihood of the threatened Worty Swamp Frog Litoria raniformis being at a small dam in the area of the then proposed Mercer Drive. Although common frogs of various types were identified, no Worty Swamp Frogs were seen and Mr Robertson subsequently reported that it was extremely unlikely that any would be present. The dam was filled in during the Mercer Drive construction works.

Observations on 18 August 2006

The area was inspected by Airport Environment Manager Sally White and Airport Environment Officer, Bryan Peny. A primary objective was to determine if there had been any significant changes to the vegetation as described in the reports identified above that might require re-assessment by an external consultant.

The whole area was predominantly flat and uniformly vegetated with introduced non-indigenous species predominating. Growth was green and healthy to a height of approximately 500 mm and the soil surface was not easily visible over most of the area. Occasional examples of indigenous grasses were observed, confirming the findings of the Pathways report of December 2002. There were occasional examples of the introduced scanafed tussock, but in general, there were few tussocked plants of any type.

In the extreme north-west of the area was a small area approximately 50 metres by 20 metres of indigenous and introduced trees and bushes, with grass under-storey, including some indigenous grasses. The ABO understands that Melbourne Airport will preserve this area because of its policy for retaining trees wherever possible. This area was included in the area assessed in the previous reports identified above:

Since the above assessments, the main change had been the construction of the new Merca Drive through the western section of the assessed area. However, the subject area west of Mercer Drive appeared generally unchanged in all respects, including vegetation types

Threatened Species Listings - Update:

The following threatened species information was examined:

EPBC Act

From examination of the current listings in the EPBC section of the Department of Environment and Heritage web-site, it was determined that none of the 16 indigenous plant species identified in the December 2002 Pathways report have been since listed as threatened under the EPBC Act.

Also in the web site, a Protexted Matters Report was generated for a localized area which included the entire airport site. The Plains Rico-flower Pimelea spineseens subsp. spineseens was included in the Protected Matters report, and was added to the firsts in May 2003. However, the subject area did not include the grassland or open shrubland habitat and the plant is slow-growing and long-lived and any specimens would therefore have been most likely to have been identified as present indigenous species in the Puthways report of December 2002.

White Box Yellow Box Blakely's Red Gum Grassy Woodlands and derived Native Grassland was added to the list of threatened ecological communities in May 2006. However, by examination of the EPBC Act Policy Statement booklet on this community, it was deduced from the criteria that there was no such community on the subject area, for instance there was no area where the under-storey is predominantly native.

In addition, no farms species likely to occur in the area had been added to the lists since the most recent Wild Life Profiles visit and report in September 2004.

Flora and Fauna Guarantee Act 1988 (FFG) Threatened List

The July 2006 version of the FFG Threatened List was examined and it was determined that none of the 16 indigenous plant species identified in the December 2002 Pathways report have been since listed as threatened under the FFG Act. Again, there are no areas which can be considered as plains grassland or plains grassy woodland.

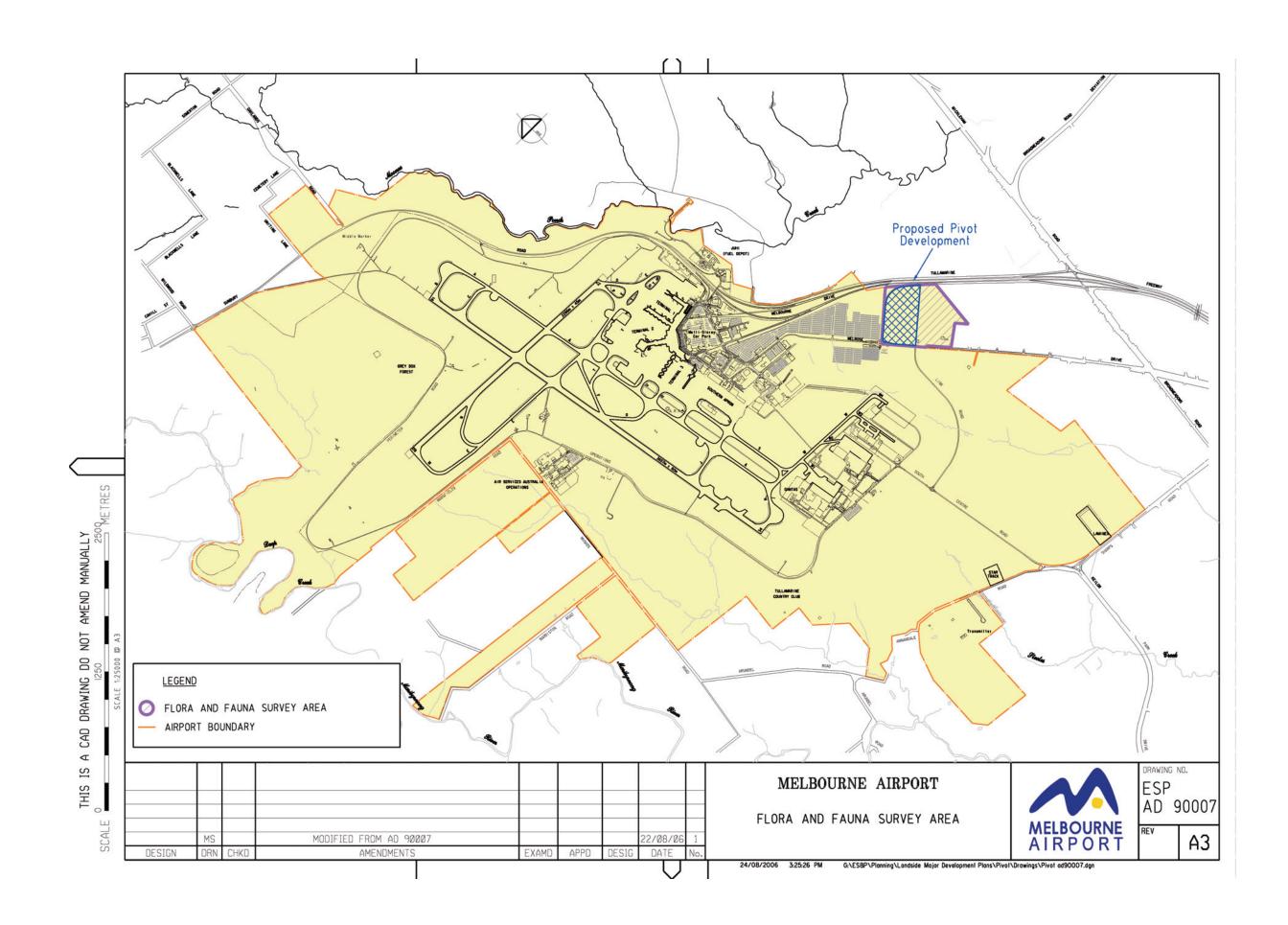
Conclusion

There is negligible likelihood of any listed threatened species being present in the area inspected. The three nominated reports by external consultants generated between 2002 and 2004 are still relevant.

24 August 2006

Bryan Perry

Airport Environment Officer, Melbourne



Part A - Major Development Plan July 2007

Beverley Van Praagh (BSc Hons, PhD) Invertebrate Consultant ABN 96817328909

Jan 31 st 2007

Attention: Sally White Environment Manager Australia Pacific Airports (Melbourne) Level 2, T2 International Melbourne Airport

Dear Ms White,

Re: Site assessment for Golden Sun Moth Synemon plana habitat at Melbourne Airport (between Tullamarine Freeway and Melrose Drive).

The Golden Sun Moth, Synemon plana is a small day flying moth belonging to the family Castiniidae. In Victoria, the Golden Sun Moth is listed as Threatened under the Victorian Flora and Fauna Guarantee Act (1988) and Critically Endangered under the Federal FPBC Act (1999). The species was once widespread over South-eastern Australia, its distribution closely correlated with that of native grasslands dominated by Austrodanthonia spp (Wallaby Grass). Agricultural expansion and urbanisation has drastically reduced the available habitat of the Golden Sun Moth and resulted in local extinctions throughout the species range. Adults are only active for a short time period each year, usually extending over 6 weeks, with exact timing reflecting weather and latitude. The flight season in and around Melbourne usually occurs between late November and early January. The non-feeding adults only live for 1-4 days, so that there is a rapid turnover of individuals during this flight period. Males fly actively in search of mates and are the only sex that can be surveyed adequately since females are semi flightless. Eggs are laid between the tillers of the Austrodanthonia and the soil. The larvae remain underground where they are thought to feed on the roots of several species of Austrodanthonia.

A field assessment of the study area was conducted on 22nd January 2007 to determine whether the site supported any potential Golden Sun Moth habitat. However, the presence or absence of the species can only be confirmed by surveying for the species during the flight season under very specific sampling conditions. This assessment occurred just outside the flight season, which apparently ended in early January (Wendy Moore pers, com. 2007). The warm, dry conditions in Spring resulted in an early start to the flight season while the cold snap in December appeared to end the season earlier than usual, shortened the season. The study area occurs within the known range of the species, with the closest populations occurring in the Mickleham, Craigieburn and Campbellfield area approximately 10 to 15 km north and north east of the site.

The study site comprises a highly disturbed and modified landscape dominated by introduced species. During the flora assessment of the site, it was found that less than 5% of the site had a 10-15% *Austrodanthonia* cover, with more then 50% of the site supporting less than 1% cover (Frood pers. com. 2007). This was apparently a significant increase over the amount recorded during surveys of the site in 2002 where *Austrodanthonia* was more incidental in the landscape (Frood pers. com. 2007). It is thought that the cessation of grazing at the site, combined with the drought has allowed the re-colonization of more opportunistic native

grasses such as *Austrodanthonia* and *Austrostipa* (Frood pers. com. 2007). Therefore the slightly increased cover of *Austrodanthonia* at the site is a recent phenomenon, occurring over the last few years. This would indicate that historically, the site would have been unlikely to have supported what has been traditionally regarded as suitable *S. plana* habitat as the site was maintained as permanent pasture. Little is known about the ability of *S. plana* to colonize new sites but given the limited dispersal of the moth (approximately 100m) this would require a source population close by. There are no known remnants of native grassland within 500m of the site (Frood, pers.com. 2007).

Previous studies have indicated that *S. plana* is associated with native grasslands where the cover of *Austrodanthonia* spp. normally exceeds 40%. However, recent *S. plana* surveys across Melbourne have suggested that the species may have less specific requirements than previously thought (Endersby and Koehler 2006) with the species recorded from habitats ranging from modified native grasslands to degraded areas supporting exotic pasture (A. Webster pers. com. 2007). The implications of these findings are not yet clear but suggest that more information is required to gain a clear understanding of the habitat requirements of this species. At present, details of the floristics and habitat structure of the new sites are unavailable (Endersby and Koehler 2006). The study site supports what is generally considered unsuitable *S. plana* habitat. It is quite degraded and supports a low density of *Austrodanthonia* and is of a much poorer quality than that observed at the Craigieburn Grasslands, which presently supports the largest known population of *S. plana* in Victoria.

Therefore, based on the current understanding of the habitat requirements of this species (grasslands characterised by an open tussock structure and the presence of Austrodanthonia), it seems unlikely that 5. plana would be present at this site, given it has been maintained as permanent pasture at least since the early 1970s (S. White pers, com. 2007) and the presence of the small amount of Austrodanthonia is a recent response to the cessation of grazing and climatic conditions.

Yours Sincerely,

Beverley Van Praagh

Personal Communications :

Wendy Moore: Friends of Craigieburn Grassland,

Alan Webster: Senior Flora & Fauna Officer, Department of Sustainability &

Lovironment Port Phillip Region,

Doug Frood: Pathways Bushland & Environment, Greensborough.

Sally White: Environment Manager Australia Pacific Airports (Melbourne)

REFERENCE

Endersby, I and Koehler, S. 2006. Golden Sun Moth Synemon plana: discovery of new populations around Melbourne. The Victorian Naturalist 123 (6)362-365.

Part A - Major Development Plan July 2007



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ABN: 25 519 569 232

1/2/07

Ms Sally White

Environmental Manager

Airport Management

Level 2 International Terminal

Melbourne Airport

Locked Bag 16

Gladstone Park VIC 3043

Dear Sally

Re: Wallaby-grasses at Melbourne Airport, site east of Melrose Drive

Thank you for the opportunity to undertake the field inspection of the proposed development site on Thursday 25th January. The results of this inspection are provided below. Please do not hesitate to contact me should any further clarification be required. Yours faithfully,

Douglas Frood

Previous Assessment of the Vegetation

The vegetation of the site was assessed by the current writer several years previously. The former native vegetation was presumed to have comprised grassy woodland dominated by box eucalypts, but the tree component had been cleared, and the native ground-layer vegetation had been virtually totally displaced by past land-use. The relevant vegetation was dominated by introduced pasture species and the indigenous flora was effectively reduced to a sparse component of species which are capable of

1

recolonizing following such disturbance. The indigenous species which had managed to persist or recolonize on the site included a range of wallaby-grasses (Austrodanthonia spp.).

Current Assessment of the Vegetation

The current assessment required an appraisal of the proportion of ground-cover provided by wallaby-grasses. The cover provided by native species has increased substantially in parts of the site over the several years period since the previous assessment. Of the small range of native species present, grasses (Austrodanthonia spp., Chloris truncata and Austrostipa bigeniculata) and to a lesser extent Berry Saltbush (Atriplex semibaccata) are by far the most abundant. Drought conditions and cessation of grazing appear to have favoured this recolonization by the more opportunistic of the native species present. Despite this recolonization process occurring at the site, native grasses are still generally subordinate to introduced pasture grasses such as Cocksfoot (Dactylis glomerata) and rye-grasses (Lolium spp.).

Detection and Identification of Wallaby-grasses

The site had not recently been grazed and the associated annual grasses had withered, making detection of individual wallaby-grass tussocks relatively straight-forward. While it was later in the season than is optimal for identification of individual species of wallaby-grass, the old flowering culms of the main species are reasonably distinctive, even when lacking seeds. Of the species of Austrodanthonia present, the most numerous and extensive was clearly A. setacea (Bristly Wallaby-grass), followed by A. duttoniana (Brown-back Wallaby-grass), with A. caespitosa (Common Wallaby-grass) also relatively common in small patches. Other species (e.g. A. hipartita [previously A. linkii] - Leafy Wallaby-grass and A. eriantha - Hill Wallaby-grass) were noted only as incidental plants. While A. carphoides (Short Wallaby-grass) was previously recorded during the survey of an area including the subject land, it was not observed during the current assessment. If A. carphoides is present within this area, it is at most an extremely minor component of the vegetation. The latter species is intolerant of closure of the vegetation and tends not to persist within denser swards.

Estimations of Current Cover of Wallaby-grasses

The density of wallaby-grasses varies in a patchy fashion across the site, presumably reflecting a combination of factors including effects of prior management, patterns of recolonization based around chance survival or re-establishment events, variation in soil and moisture characteristics, and recent disturbance events on the site. The local proportion of ground-cover provided by the genus was assessed visually and the site mapped into generalized zones based on average percentage cover (see map below).

These cover estimations were tested for validity in two patches of relatively higher cover (estimated wallaby-grass cover approximately 10% and 15% respectively), using counts of tussocks obtained by casting a 50 cm square wire frame within the patch (25 frames per patch). Plants were counted if at least half of the tussock base occurred within the area occupied by the cast frame. This method produced average counts of 8.6 plants / m² and 12.2 plants / m² respectively. If the average cover of plants is taken as a circle 12 cm in diameter, then one plant / m² represents a cover of ca. 1.14%, giving estimates of cover based on this sampling as 9.8% and 14.3% respectively. While the assumption of tussock size may not be perfect, it will be within a small range of the true value, suggesting the visually estimated covers were reasonably reliable for the purposes of a rapid assessment, at least at relatively higher densities of cover. Particularly considering that there will be some degree of seasonal variability in cover, it would seem that little extra information would be gained from potentially more accurate but extremely time-consuming techniques such as collection of large data sets from point quadrats along line transects through the site.

Summary of Wallaby-grass Cover

Wallaby-grasses provided around 10-15% ground-cover over slightly in excess of 5% of the site, approximately 5% average cover over a little under 50% of the site, and were absent to providing less than ca. 1% average cover over the residue of the area (almost 50% of the site). The wallaby-grasses species providing by far the greatest proportion of this cover were, in decreasing order of abundance, A. setacea, A. duttoniana and A. caespitosa.

Vegetation Map



KEY TO MAP OF VISUALLY ESTIMATED WALLABY-GRASS COVER

GREEN: Wallaby-grasses ca. 15% average cover BLUE: Wallaby-grasses ca. 10% average cover YELLOW: Wallaby-grasses ca. 5% average cover

UNCOLOURED: Wallaby-grasses absent to less than ca. 1% average cover

[The mapping applies only to the area within the subject land boundary - i.e. it should not be inferred that Wallaby-grasses occur only at very low covers within adjacent land outside this boundary]

Appendix 8 Format of operational EMP

MELBOURNE AIRPORT

ENVIRONMENT MANAGEMENT PROGRAM

(Financial year)

1. ORGANISATIONAL ARRANGEMENTS

Includes name and contact details of responsible Manager.

2. DESCRIPTION OF OPERATIONS

General description of operations

3. PROPOSED CHANGES TO OPERATIONS IN (financial year)

Details of proposed changes to activities products and services in the coming year.

4. APPLICABLE LEGAL AND OTHER REQUIREMENTS

The significant environmental legislation / regulations applicable to operations at Melbourne Airport.

Operator to identify environmental issues relevant to their operations and identify appropriate legal and other requirements. Operator is responsible for ensuring the currency of legislation that applies to their operations.

ENVIRONMENTAL ASPECTS AND IMPACTS

Environmental Aspect - refers to an element of activity that can have an adverse or beneficial impact on the environment

Environmental Impact - refers to the change that takes place in the environment because of the aspect

Activity, Product	Environmental Aspect	Environmental Impact	<u>Significance</u>
Or Service Fig. Vehicle maintenance	Eg. Polential for accidental	Eg. Contenwnetion of soil or weter	High, medium, low
Waste generation	Spillage Potential for litter		Medium
		drains / surrounding waterways	
Hotel vehicle usage	Potential for oil/fuel spill	Contamination of soil or water	Low

1

6. ENVIRONMENTAL ACTIONS FOR (financial year)

List of proposed environmental management actions for the coming year including responsible manager and planned completion date.

Table 2
Environmental Actions for (financial year)

Planned Action	Responsibility for carrying out action	Target completion date
Investigate recycling program of waste	Manager	May 2005

7. ENVIRONMENTAL MONITORING AND MEASUREMENT

Details of proposed environmental monitoring and measurement activities.

<u>Table 3</u> <u>Environmental Monitoring Programs for (financial year)</u>

Monitoring Program	Frequency / target completion	Responsibility

8. ENVIRONMENTAL AUDITING

Details of proposed environmental auditing activities.

Table 4

Audit	Frequency	Responsibility for audit

9 ENVIRONMENTAL REPORTING

It is expected that (Operator) will submit a report to Australia Pacific Airports (Melbourne) by 30 June 200x including a summary of monitoring results and progress in relation to other proposed initiatives.

10 ENVIRONMENTAL TRAINING

Details of proposed environmental training activities for staff.

Table 5

Ştaff	Training Needs	Proposed Program

Appendix 9 Format of construction environmental management plan

GUIDELINES FOR PREPARATION OF A CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN

An Environmental Management Plan should include as a minimum, the following elements.

Introduction

- State the objective of the Environmental Management Plan
- Specify responsibility for implementation of the Environmental Management Plan

Description of Undertaking

- Describe key activities performed as part of the undertaking
- Outline who will carry out the activities.
- Outline where the activities will be carried out.

Regulatory Requirements

List applicable environmental legislation and regulations

Assessment of Environmental Risk

- identify activities to be conducted as part of the undertaking that have the potential to impact upon the environment.
- Evaluate the significance of the potential environmental impacts.
- Develop a list of potentially significant environmental impacts that require management.

Environmental Management Program

- Operational Control
 - Issues for which operational controls may be required include but are not limited to
- Stormwater and Wastewater Management
- Chemical Management
- Recycling
- ➤ I lora & Launa ➤ Noise & Vibration
- Dust Suppression
- litter Control
- Waste Disposal
- Asbestos Management
- Odour Control
- Management of Ozone Depleting Substances
- Lrosion Control
- Emergency Procedure including spill response.
- Training
 - Training to be provided to staff in relation operational control issues.
- Audit and Inspection Programs
- Reporting (complaints, incidents)
- Monitoring Program
- Documentation to be recorded and retained

Page 1 of 1

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Appendix 10 Conditions of Ministerial Approval

Draft Major Development Plan Mixed Use Development, Melbourne Airport

(Australia Pacific Airports (Melbourne) Pty Ltd)

Conditions of Ministerial Approval

DEFINITIONS

In this document, unless a contrary intention appears, the terms below have the meanings given to them:

ABC means an Airport Building Controller appointed by the Secretary of the Department of Transport and Regional Services (or his delegate).

Act means the Airports Act 1996 as amended from time-to-time

Airport means Melbourne (Tullamarine) Airport as defined in the Airports Regulations 1997 as amended from time to time.

Airport Lease means the Headlease for Melbourne (Tullamarine) Airport executed between the Commonwealth of Australia and APAM on 2 July 1997.

AEO means an Airport Environment Officer appointed by the Secretary of the Department of Transport and Regional Services (or his delegate).

APAM means Australia Pacific Airports (Melbourne) Pty Ltd and includes any future Airport Lessee Company for Melbourne (Tullamarine) Airport.

AS 2021-2000 means Australian Standard 2021-2000 "Acoustics – Aircraft Noise Intrusion - Building Siting and Construction" and as amended from time to time.

Building activity has the meaning given in section 98 of the Act.

CEMP means the Construction Environmental Management Plan for the Development.

Development means the Mixed Use Development to be carried out in accordance with the MDP approved by the Minister for Transport and Regional Services.

DEW means the Department of Environment and Water Resources.

the Department means the Department administering the Act from time to time.

MDP means the Major Development Plan for the Mixed Use Development approved by the Minister for Transport and Regional Services.

OEMP means the Operational Environment Management Plan.

CONDITIONS

. . . .

The Department of Transport and Regional Services (the Department) expects Australian Pacific Airports (Melbourne) Pty Ltd (APAM) to undertake all activities and to complete all works as indicated in the draft Major Development Plan (MDP). In the event of any inconsistency between the undertakings and commitments made by APAM in the MDP and the conditions contained in this document, the conditions in this document shall prevail to the extent of that inconsistency.

Conditions about the environment

- APAM will prepare a Construction Environment Management Plan (CEMP) to be
 approved by the Airport Environment Officer (AEO), and the Airport Building Controller
 (ABC), prior to commencement of building activity on the site. The plan is to include,
 among other matters, a Heritage Management Plan, details of Water Sensitive Urban
 Design measures, and measures to reduce waste and energy consumption. This could
 include measures to:
 - Capture and store rain water for use within the precinct;
 - Treat and reuse grey water, particularly for in-building and landscape purposes;
 - Introduce waterless toilet (urinal) facilities;
 - Adopt low-energy lighting and other electrical devices for use in-building and landscape purposes;
 - Reduce external and in-building lighting (other than for security and OH&S reasons) outside trading hours; and
 - Adopt recycling procedures for waste products, such as paper, containers, and biodegradable items such as food scraps.
- An Operational Environment Management Plan (OEMP) is to be developed in consultation with the AEO and approved by the AEO prior to the commencement of use. The ALC must carry out the activity in accordance with the approved OEMP.
- 3. A Golden Sun Moth (GSM) Management Plan is to be prepared and implemented no later than 18 months from the date of approval and shall encompass the entire Airport site and cover two flight season monitoring periods. APAM is to provide the AEO with results from the first flight season and an initial draft Management Plan no later than 9 months from the date of approval. The draft GSM Management Plan should include sufficient measures to preclude damage to identified habitats from on-airport development in the interim period prior to the second flight season and finalisation of the GSM Management Plan.

The finalised Management Plan is to be approved by the AEO, in consultation with the Department of Environment and Water Resources (DEW) prior to implementation. The Plan is to include the data from the monitoring of the GSM during the two flight seasons and investigate the implementation or rehabilitation of potential habitat sites for the GSM. APAM is not to undertake other development on the airport in areas of identified or potential GSM habitat until the GSM Management Plan is approved, without consultation with and approval by the ABC and AEO.

3 of 4

1 1 1 1

 APAM will consult with the Wurundjeri Tribe Land Compensation and Cultural Heritage Council if archaeological site AAV 7822/1447 is likely to be disturbed during construction of the Development.

Conditions regarding ground transport infrastructure

- 5. APAM must work in conjunction with the Victorian and local governments to develop an Airport Ground Transport Plan (AGTP) for the airport site with reference to the Victorian Planning Provisions no later than 24 months from the date of approval. APAM is required to work closely with the Hume City Council and VicRoads to ensure that implementation of the Development does not result in unacceptable traffic impacts and APAM must negotiate in good faith to fund any fair and reasonable mitigation measures.
- APAM must ensure that advertising and signage upon the mixed use development complies with the Victorian Planning Provisions to ensure that they do not present a safety concern to traffic travelling along the Tullamarine Freeway.
- 7. In addition to the AGTP, APAM is to provide to the ABC a Traffic Management Plan incorporating strategies regarding traffic control during the initial four weeks of business trading by tenants of the Development. This should be provided at least one month prior to each stage opening. It is intended that the Traffic Management Plan will apply during the initial four weeks of business trading for each of the three stages of the development.

Conditions requiring action prior to use and occupation

8. Upon completion of building activity and prior to use and occupation, APAM must provide the ABC with evidence validated by an accredited acoustical consultant that maximum internal noise levels during aircraft fly-overs comply with Table 3.3 of AS 2021-2000. In particular, APAM must show evidence that the child care facility has been adequately insulated to comply with Table 3.3 of AS2021-2000 noting that Table 3.3 is a minimum standard.

Conditions about providing information

 APAM will make all reasonable efforts to provide information requested by the AEO, ABC or the Department relating to this Development and compliance with these conditions within the time requested. Information provided by APAM shall be in an electronic format.

Chief Executive Officer to acknowledge compliance

10. The Chief Executive Officer of APAM will advise the Department in writing of compliance with the above conditions at the end of each development stage if applicable, and in all other instances, on the anniversary of the date of Ministerial approval of the MDP.

4 of 4





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