

Annex E

Landscape and Visual  
Audit - Site Inspection  
Checklist and Photographs

Environmental Monitoring and Audit Programme for the Permanent Aviation Fuel Facility (PAFF)

2<sup>nd</sup> Bi-Monthly Landscape and Visual Audit - Operational Phase 1a / Construction Phase 1b

Site Inspection Date : 7 July 2010

Inspected By : Francesca Zino

Certified by: Christina Ip (Registered Landscape Architect)



Area of Works	Items to be Monitored	Phase 1a (Operational)		Phase 1b (Construction)	
		Observation	Recommendation	Observation	Recommendation
Advance planting	Monitoring of implementation and maintenance of planting, and against possible incursion, physical damage, fire, pollution, surface erosion, etc.	Planting has been maintained and no possible incursion, physical damage, fire, pollution, surface erosion is observed.	Not required.	New tree planting has been maintained. Stakes are present to provide adequate support. No incursion, physical damage, fire, pollution, surface erosion is observed.	Not required.

Area of Works	Items to be Monitored	Phrase 1a (Operational)		Phrase 1b (Construction)	
		Observation	Recommendation	Observation	Recommendation
Protection of all trees to be retained	Identification and demarcation of trees / vegetation to be retained, erection of physical protection (e.g. fencing), monitoring against possible incursion, physical damage, fire, pollution, surface erosion, etc.	Not applicable as there are no retained trees present in Phrase 1a.	Not applicable.	Most retained trees have been fenced off and protected, but stockpile of construction material and machinery was observed near Retained Tree T1 ( <i>Photo 1</i> ) and Retained tree group T66-72 ( <i>Photos 2 &amp; 3</i> ).	The Contractor is recommended to remove any construction material or machinery stored/operating near Retained Trees and keep the root zone clear.
Clearance of existing vegetation	Identification and demarcation of trees / vegetation to be cleared, checking of extent of works to minimize damage, monitoring of adjacent areas against possible incursion, physical damage, fire, pollution, surface erosion, etc.	Not applicable for operational phrase.	Not applicable.	No incursion, physical damage, fire, pollution, surface erosion is observed.	Not required.
Transplanting of trees	Identification and demarcation of trees / vegetation to be transplanted, monitoring of extent of pruning / lifting works to minimize damage, timing of operations, implementation of all stages of preparatory and translocation works, and maintenance of transplanted vegetation, etc.	New transplanted trees have been maintained. No incursion, physical damage, fire, pollution, surface erosion is observed.	Not required.	New transplanted trees have been maintained. No incursion, physical damage, fire, pollution, surface erosion is observed.	Not required.

Area of Works	Items to be Monitored	Phrase 1a (Operational)		Phrase 1b (Construction)	
		Observation	Recommendation	Observation	Recommendation
Plant supply	Monitoring of operations relating to the supply of specialist plant material (including the collecting, germination and growth of plants from seed) to ensure that plants will be available in time to be used within the construction works.	Supply of specialist plant material has been maintained within the construction works without delay.	Not applicable.	Supply of specialist plant material has been maintained within the construction works without delay.	Not required.
Soiling, planting, etc.	Monitoring of implementation and maintenance of soiling and planting works and against possible incursion, physical damage, fire, pollution, surface erosion, etc.	Bare soil surfaces have been hydroseeded with grass. No incursion, physical damage, fire, pollution, surface erosion is observed.	Not required.	Erosion control mat is present for soiling maintenance. No incursion, physical damage, fire, pollution, surface erosion is observed.	Not required.
Decorative treatment of site hoarding	Implementation and maintenance, to ensure compliance with agreed designs.	Not applicable for operational phrase.	Not applicable.	Site hoarding with recessive visual appearance in grey colour has been erected along site peripheral where no existing walls are present to block the view to the construction site.	Not required.

Area of Works	Items to be Monitored	Phrase 1a (Operational)		Phrase 1b (Construction)	
		Observation	Recommendation	Observation	Recommendation
Architectural treatment of retaining walls, elevated road structures and other engineering works.	Implementation and maintenance of mitigation measures, to ensure compliance with agreed designs.	Light colours and tones of non-reflective neutral grey colours with low chromatic intensity have been used in architectural treatment of engineering works as proposed in Landscape and Visual mitigation measures.	Not required.	Light colours and tones of non-reflective neutral grey colours with low chromatic intensity have been used in architectural treatment of engineering works as proposed in Landscape and Visual mitigation measures.	Not required.
Establishment Works	Monitoring of implementation of maintenance operations during Establishment Period	Some Compensatory Trees in the Operations Building area of Phase 1a and outside the bund wall were observed to be in poor health or dead ( <i>Photos 4-7</i> )..	Contractor is recommended to review health of all compensatory trees and replace any trees if confirmed dead.	Plantings have been maintained to ensure healthy establishment.	Not required.



**Photo 1 – Stockpile of construction material near Retained Tree T1.**



**Photo 2 & 3 – Stockpile of construction material and machinery near Retained Tree Group T66-72.**



**Photos 4 & 5 – Some Compensatory Trees in the Operations Buildings area of Phase 1a were observed to be in poor health or dead.**

**Photo 6 & 7 – Some Trees outside the bund wall were observed to be in poor health (eg heavily leaning) or dead.**