APPENDIX 47

IMPACT ASSESSMENT SUMMARY

Summary of Significance ratings (negative) for identified impacts Pre and Post mitigation for Alternatives 1, 2 and 3

	Alternative	1 (No Go)			Alternative 2		Alternative 3	
Impact description	Significan ce Pre- Mitigation	Significan ce Post Mitigation	Impact description		Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation
Botanical Impact Assessment								
Construction Phase	Low	Low	Construction Phase		Medium to High	Low to Medium	Medium to High	Low to Medium
Operational Phase	Low	Low	Operational Phase		Low to Medium	Neutral to Low	Low to Medium	Neutral to Low
Geohydrological Impact Assessmen	nt							
Groundwater contamination due to surface runoff	Low	Very Low	Construction Phase	Groundwater contamination due to construction of CWA	Very Low	Very Low	Very Low	Very Low
Groundwater contamination due to fuel storage and distribution	Medium	Very Low	Operational Phase –	Surface runoff	Medium	Very Low	Medium	Very Low
Groundwater contamination due to atmospheric deposition	Low	Very Low	Groundwater Contamination	Fuel storage & distribution	Medium	Very Low	Medium	Very Low
Groundwater contamination due to Direct Release	Low	Low	due to	Atmospheric deposition	Low	Very Low	Low	Very Low
Groundwater contamination due to Accidental Release	Low	Very Low		Low	Low	Low	Low	
				Accidental Release	Medium	Low	Medium	Low
				Biodigester	Medium	Very Low	Medium	Very Low
				Solar PV	Low	Very Low	Low	Very Low
			Operational Phase - Groundwater Depletion	Due to over-abstraction	Medium	Very Low	Medium	Very Low
			Operational	Due to over-abstraction	Medium	Very Low	Medium	Very Low
			Phase -	Due to wastewater storage	Medium	Very Low	Medium	Very Low
			Groundwater	Due to brine storage	Medium	Very Low	Medium	Very Low
			quality deterioration	Due to chemical storage for WWTW	Medium	Very Low	Medium	Very Low
				Due to irrigation with the treated sewage effluent	Medium	Very Low	Medium	Very Low
Freshwater Ecological Impact Asses	ssment							
•	e proposed 'no-go' Alternative 1 will not result in any ditional impacts to the freshwater ecosystems identified			Impact on hydrological function and water quality	Moderate	Low	Moderate	Low

	Alternative	1 (No Go)			Alternative 2		Alternative 3	
Impact description	Significan ce Pre- Mitigation	Significan ce Post Mitigation	Impact description		Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation
within the study and investigati		uch, has not	preparation,					
been included in the impact ass	sessment.		removal of topsoil,	Immost on	Vorulou	Vonctour	Vorulou	Vondlow
			vegetation &	Impact on geomorphological	Very Low	Very Low	Very Low	Very Low
			earthworks	processes				
				Wetland habitat loss (seep	Moderate	Moderate	Moderate	Moderate
				wetland 1), altered wetland				
				habitat & impacts to biota				
			Construction Phase -	Impact on hydrological function and water quality	Low	Very Low	Low	Very Low
			Earthworks,	Impact on	Low	Very Low	Low	Very Low
			construction &	geomorphological	LOW	Very Low	LOW	very Low
			installation	processes				
			maintenance road	Altered wetland habitat &	Low	Very Low	Low	Very Low
			& fences	impacts to biota				
			Construction Phase - Potential	Impact on hydrological function & water quality	Low	Very Low	Low	Very Low
			mixing and	Altered wetland habitat &	Low	Very Low	Low	Very Low
			casting of	impacts to biota	2011	Very zow	2011	Very Low
			concrete/ asphalt	·				
			within 32m of					
			seep wetland 1	Altanadonada ad babbat 0	112-1-	No de de contra	111-1-	N. C. allegado
			Construction Phase - Loss	Altered wetland habitat & impacts to biota	High	Moderate	High	Moderate
			(6.74ha) of seep	impacts to biota				
			wetland 1 habitat					
			& ecoservices					
			Operational	Impact on hydrological	Moderate	Moderate	Moderate	Moderate
			Phase: Operation of runway &	function and water quality				
			related	(on seep wetland 1)				
			infrastructure					
			(including					
			stormwater					
			attenuation					
			ponds)					

	Alternative	1 (No Go)			Alternative 2		Alternative 3	
Impact description	Significan ce Pre- Mitigation	Significan ce Post Mitigation	Impact description		Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation
				Impact on geomorphological processes (on seep wetland 1)	Moderate	Moderate	Moderate	Moderate
				Wetland habitat loss, altered wetland habitat and impacts to biota (on seep wetland 1)	High	Moderate	High	Moderate
				Impact on hydrological function and water quality (on CVB wetlands 2 and 3)	Low	Very Low	Low	Very Low
				Impact on geomorphological processes (on CVB wetlands 2 and 3)	Low	Very Low	Low	Very Low
				Altered wetland habitat and impacts to biota (to CVB wetlands 2 and 3)	Low	Very Low	Low	Very Low
			Operational Phase: Operation	Impact on hydrological function and water quality	Low	Very Low	Low	Very Low
			of the maintenance road and fences and maintenance of service infrastructure	Altered wetland habitat and impacts to biota	Low	Very Low	Low	Very Low
			Operational Phase: Operation	Impact on hydrological function and water quality	Moderate	Low	Moderate	Low
			of the stormwater attenuation ponds & release of hydrocarbons into the wetlands	Impact on geomorphological processes (sediment balance, erosion and sedimentation)	Moderate	Very Low	Moderate	Very Low
			from attenuation ponds and	Altered wetland habitat and impacts to biota	Moderate	Low	Moderate	Low

	Alternative	1 (No Go)			Alternative 2		Alternative 3	
Impact description	Significan ce Pre- Mitigation	Significan ce Post Mitigation	Impact description		Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation
			surrounding landscape					
			Operational Phase: Anthropogenic disturbance incl noise & physical degradation of wetland habitat reducing available feeding, drinking, breeding & migratory habitat to biota associated with CVB wetlands 2 & 3	Altered wetland habitat and impacts to biota	Low	Very Low	Low	Very Low
Faunal Impact Assessment								
The proposed 'no go' Alternative 1 additional impacts to faunal species within the study area, and as such, the impact assessment.	s and habitat i	dentified	Construction Phase - Impact on Faunal Habitat and Diversity	Renosterveld Habitat	Medium	Low	Medium	Low
				Freshwater Habitat	Medium	Low	Medium	Low
				Modified Habitat	Medium	Low	Medium	Low
				Artificial Impoundments	Low	Low	Low	Low
				Agricultural Drains	Very Low	Very Low	Very Low	Very Low
			Construction	Renosterveld Habitat	Low	Very Low	Low	Very Low
			Phase - Impact on	Freshwater Habitat	Very Low	Very Low	Very Low	Very Low
			Faunal SCC and	Modified Habitat	Low	Very Low	Low	Very Low
			Their Habitat	Artificial Impoundments	Very Low	Very Low	Very Low	Very Low
				Agricultural Drains	Very Low	Very Low	Very Low	Very Low
			Operational	Renosterveld Habitat	Low	Very Low	Low	Very Low
			Phase - Impact on	Freshwater Habitat	Low	Very Low	Low	Very Low
			Faunal Habitat	Modified Habitat	Low	Very Low	Low	Very Low
			and Diversity	Artificial Impoundments	Low	Very Low	Low	Very Low
				Agricultural Drains	Low	Very Low	Low	Very Low

	Alternative	1 (No Go)			Alternative 2		Alternative 3	
Impact description	Significan ce Pre- Mitigation	Significan ce Post Mitigation	Impact description		Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation
				Noise Impacts	Medium	Medium	Medium	Medium
			Operational	Renosterveld Habitat	Low	Very Low	Low	Very Low
			Phase - Impact on	Freshwater Habitat	Low	Very Low	Low	Very Low
			Faunal SCC and	Modified Habitat	Low	Very Low	Low	Very Low
			Their Habitat	Artificial Impoundments	Low	Very Low	Low	Very Low
				Agricultural Drains	Low	Very Low	Low	Very Low
				Noise Impacts	Medium	Medium	Medium	Medium
vifaunal Impact Assessment								
The proposed 'no go' Alternative 1 additional impacts to faunal specie within the study area, and as such he impact assessment	es and habitat	identified	Construction Phase impacts - Impact on Avifaunal Habitat	Renosterveld Habitat	Medium	Low	Medium	Low
			and Diversity	Freshwater Habitat	Medium	Low	Medium	Low
				Modified Habitat	Medium	Low	Medium	Low
				Artificial Impoundments	Medium	Low	Medium	Low
				Agricultural Drains	Very Low	Very Low	Very Low	Very Low
			Construction	Renosterveld Habitat	Medium	Very Low	Medium	Very Low
			Phase impacts -	Freshwater Habitat	Medium	Very Low	Medium	Very Low
			Impact on	Modified Habitat	Medium	Medium	Medium	Medium
			Avifaunal SCC and	Artificial Impoundments	Medium	Very Low	Medium	Very Low
			Their Habitat	Agricultural Drains	Very Low	Very Low	Very Low	Very Low
			Operational	Renosterveld Habitat	Low	Very Low	Low	Very Low
			Phase - Impact on	Freshwater Habitat	Medium	Low	Medium	Low
			Faunal Habitat	Modified Habitat	Medium	Low	Medium	Low
			and Diversity	Artificial Impoundments	Low	Very Low	Low	Very Low
				Agricultural Drains	Low	Very Low	Low	Very Low
				Noise impacts	Medium	Medium	Medium	Medium
			Operational	Renosterveld Habitat	Low	Very Low	Low	Very Low
			Phase - Impact on	Freshwater Habitat	Medium	Low	Medium	Low
			Faunal SCC and	Modified Habitat	High	Medium	High	Medium
			Their Habitat	Artificial Impoundments	Low	Very Low	Low	Very Low
				Agricultural Drains	Low	Very Low	Low	Very Low
				Noise Impacts	Medium	Medium	Medium	Medium

	Alternative	1 (No Go)			Alternative 2		Alternative 3			
Impact description	Significan ce Pre- Mitigation	Significan ce Post Mitigation	Impact description		Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation		
-			Construction Phase	Demolition of 2 structures older than 60 years Visual Impacts	Low Refer to Visual Impa	Low	Low	Low		
			Operational Phase	Visual Impacts	·	efer to Visual Impact Assessment efer to Visual Impact Assessment				
Visual Impact Assessment										
Alternative 1 describes the "Do No which the current rights of the exist in place and no additional develop	sting airport w	ould remain	Construction Phase	Lights 1: Visibility from within Landscape Character Areas 2 & 3	Low	Very Low	Low	Very Low		
Leasable Area (GLA) to 6000m², w	ent development rights of the CWA restrict the Gross sable Area (GLA) to 6000m ² , which is already utilised in The existing runway system (consisting of four crossing ways) will not be resurfaced to allow for increased			Lights 2: Visibility from within Landscape Character Area 4	Low	Very Low	Low	Very Low		
	aced to allow for increased aircraft. This is because the ot allow the upgrade of terminal accommodate the anticipated anticipated gnificance score for the No-Go ance / neutral).		Lights 3: Visibility from within Landscape Character Area 1 Lights 3: Visibility from within Landscape Character Area 1 ore for the No-Go all).		Low	Very Low	Low	Very Low		
<u> </u>				Site-Specific 1: Transformation of land use and site character. Total clearance of areas during construction Phase 1 (PAL 1)	Medium	Medium	Medium	Medium		
				Scenic Route 1: The R312 Lichtenburg Rd Scenic Route	Low	Very Low	Low	Very Low		
				Cultural landscape (incl. Scenic Routes) 1: Potential effect on the landscape character and sense of place of: the Agter-Paarl	Low	Low	Low	Low		

	Alternative	1 (No Go)			Alternative 2		Alternative 3	
Impact description	Significan ce Pre- Mitigation	Significan ce Post Mitigation	Impact description		Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation
	<u> </u>			Paardeberg Cultural				
				Landscape.				
				Cultural landscape (incl.	Low	Low	Low	Low
				Scenic Routes) 2: Potential				
				effect on the landscape				
				character and sense of				
				place of: the Durbanville				
				Hills CL and the Koeberg /				
				Swartland Farms CL (both				
			-	within LCA4).				
				Cultural landscape (incl.	Low	Low	Low	Low
				Scenic Routes) 3: Potential				
				effect on the landscape				
				character and sense of				
				place of: the Joostenberg				
				Vlakte Cultural Landscape				
				also referred to as LCA 2.		"		
			Operational	Lights 1: Visibility from	Medium	Medium	Medium	Medium
			Phase	within Landscape Character				
				Areas 2 & 3 (within the				
				Urban Development Edge,				
				and within the Joostenberg				
				Vlakte Cultural landscape)	Medium	1	Medium	1
				Lights 2: Visibility from within Landscape Character	Medium	Low	Medium	Low
				Area 4 (within Joostenberg				
				Vlakte Cultural landscape				
				and the Koeberg /				
				Swartland Farms Cultural				
				landscape)				
				Lights 3: Visibility from	Medium	Medium	Medium	Medium
				within Landscape Character	Mediam	Wicalam	Mediam	caram
				Area 1 (within the Agter-				
				Paarl Paardeberg Cultural				
				landscape).				

-	Significan ce Post	Impact description		C: :C: D	0		
ce Pre- ce Post Mitigation Mitigation			Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation	
			Site-Specific 1: Transformation of land use and site character. Total clearance of the developable areas of the subject site during construction Phase 1 (PAL 1)	Low	Low	Low	Low
			Scenic Route 1: The R312 Lichtenburg Rd Scenic Route (Route 31; SR1: Scenic drive envelope, Gateway Point and view corridors as scenic resources)	Medium	Low	Medium	Low
			Cultural landscape (incl. Scenic Routes) 1: Potential effect on the landscape character and sense of place of: the Agter-Paarl Paardeberg Cultural Landscape (LCA 1 - areas not within the property boundary). Potential effect on the scenic amenity of: the portion of the R304 Provincial Scenic Route (between the R312 Lichtenburg Rd crossing and its intersection with Slent Rd near Klipheuwel) that bisects the subject	Medium	Low	Medium	Low
				clearance of the developable areas of the subject site during construction Phase 1 (PAL 1) Scenic Route 1: The R312 Lichtenburg Rd Scenic Route (Route 31; SR1: Scenic drive envelope, Gateway Point and view corridors as scenic resources) Cultural landscape (incl. Scenic Routes) 1: Potential effect on the landscape character and sense of place of: the Agter-Paarl Paardeberg Cultural Landscape (LCA 1 - areas not within the property boundary). Potential effect on the scenic amenity of: the portion of the R304 Provincial Scenic Route (between the R312 Lichtenburg Rd crossing and its intersection with Slent Rd near Klipheuwel)	clearance of the developable areas of the subject site during construction Phase 1 (PAL 1) Scenic Route 1: The R312 Lichtenburg Rd Scenic Route (Route 31; SR1: Scenic drive envelope, Gateway Point and view corridors as scenic resources) Cultural landscape (incl. Scenic Routes) 1: Potential effect on the landscape character and sense of place of: the Agter-Paarl Paardeberg Cultural Landscape (LCA 1 - areas not within the property boundary), Potential effect on the scenic amenity of: the portion of the R304 Provincial Scenic Route (between the R312 Lichtenburg Rd crossing and its intersection with Slent Rd near Klipheuwel) that bisects the subject site, but lies eastward and	clearance of the developable areas of the subject site during construction Phase 1 (PAL 1) Scenic Route 1: The R312 Lichtenburg Rd Scenic Route (Route 31; SR1: Scenic drive envelope, Gateway Point and view corridors as scenic resources) Cultural landscape (incl. Scenic Routes) 1: Potential effect on the landscape character and sense of place of: the Agter-Paarl Paardeberg Cultural Landscape (LCA 1 - areas not within the property boundary). Potential effect on the scenic amenity of: the portion of the R304 Provincial Scenic Route (between the R312 Lichtenburg Rd crossing and its intersection with Slent Rd near Klipheuwel) that bisects the subject site, but lies eastward and	clearance of the developable areas of the subject site during construction Phase 1 (PAL 1) Scenic Route 1: The R312 Lichtenburg Rd Scenic Route (Route 31; SR1: Scenic drive envelope, Gateway Point and view corridors as scenic resources) Cultural landscape (incl. Scenic Routes) 1: Potential effect on the landscape character and sense of place of: the Agter-Paarl Paardeberg Cultural Landscape (LCA 1 - areas not within the property boundary). Potential effect on the scenic amenity of: the portion of the R304 Provincial Scenic Route (between the R312 Lichtenburg Rd crossing and its intersection with Slent Rd near Klipheuwel) that bisects the subject site, but lies eastward and

	Alternative	1 (No Go)			Alternative 2		Alternative 3	
Impact description	Significan ce Pre- Mitigation	Significan ce Post Mitigation	Impact description		Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation
				the CWA that is earmarked				
				for development				
				Cultural landscape (incl.	Low	Low	Low	Low
				Scenic Routes) 2: Potential				
				effect on the landscape				
				character and sense of				
				place of: the Durbanville				
				Hills CL and the Koeberg /				
				Swartland Farms CL (both				
				within LCA4). Potential				
				effect on the scenic				
				amenity of: R302				
				Klipheuwel road Scenic				
				Route (Route 30b; SR1) and				
				the Spes Bona Rd.				
				Cultural landscape (incl.	Low	Low	Low	Low
				Scenic Routes) 3: Potential				
				effect on the landscape character and sense of				
				place of: the Joostenberg				
				Vlakte Cultural Landscape				
				also referred to as LCA 2.				
				Potential effect on the				
				scenic amenity of: the R304				
				(S1: between the N1 and				
				the crossing with the R312				
				Lichtenburg Rd)				
Air Quality Impact Assessment				, ,				
Construction Phase	-		Construction Phase		Very Low	Insignificant	Very Low	Insignificant
Operational Phase		Not assessed	Operational Phase		-		Low	-
Noise Impact Assessment								
Construction Phase	-		Construction Phase		Very Low	Insignificant	Very Low	Insignificant
Operational Phase	High	Medium	Operational	Scenario 2	Low	-	Low	-
			Phase	Scenario 3	High	Medium	High	Medium
Socio-economic Impact Assessmen	nt							

		Alternative	e 1 (No Go)			Alternative 2		Alternative 3	
Impac	t description	Significan ce Pre- Mitigation	Significan ce Post Mitigation	Impact description		Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation
	Traffic flows along access		sport Impact	Construction Phase	Traffic flows along	Refer Transport Im	pact Assessment		
Se	roads	Assessmen	nt		access roads				
n Pha	Nuisance factors (dust & noise)	-	Very Low		Nuisance factors (dust and noise)	-	Low	-	Low
Ċŧ	Influx of jobseekers	-	Very Low		Influx of jobseekers	-	Low	-	Low
Construction Phase	Construction workers – local communities	-	Very Low		Construction workers - local communities	-	Low	-	Low
ŏ	Increase in local crime	-	Very Low		Increase in local crime	-	Low	-	Low
	Traffic flows along access roads	Refer Trans Assessmen	sport Impact	Operational Phase	Traffic flows along access roads	Refer Transport Im	pact Assessment		
	Sense of place	-	Very Low		Sense of place	-	Medium	-	Medium
	Increase in local crime	-	Very Low		Increase in local crime	-	Low	-	Low
ā	Risk of informal settlements	-	Very Low		Risk of informal settlements	-	Low	-	Low
Operational Phase	Nearby farming and business operations	-	Very Low		Nearby farming and business operations	-	Low	-	Low
ationa	Surrounding property values – residential	-	Very Low		Surrounding property values – residential	-	Low	-	Low
Oper	Bulk infrastructure requirements	-	Very Low		Bulk infrastructure requirements	-	Low	-	Low
Hydro	pedological Assessment								
				Construction Phase	Sealed surfaces alter natural flow of water	Very Low	Very Low	Very Low	Very Low
					Reduced infiltration due to sealed surface	Very Low	Very Low	Very Low	Very Low
					Encroachment on interflow soils disrupt wetland recharge mechanisms	Very Low	Very Low	Very Low	Very Low
					Contribution of interflow soils to downstream watercourses likely limited	Very Low	Very Low	Very Low	Very Low
				Operational Phase	Hydropedological processes and wetland functionality	Unmodified	n/a	Unmodified	n/a

	Alternative	1 (No Go)			Alternative 2		Alternative 3		
Impact description	Significan ce Pre- Mitigation	Significan ce Post Mitigation	Impact description	1	Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation	
The No Go Alternative refers to the development is done within existin	scenario whe		Construction Phase	Change in Productivity	Not assessed		Negligible	Not assessed	
farmland or land zoned for agricult	ure will be tra	nsformed in	Operational	Change in Employment	Not assessed	Insignificant	Not assessed		
this alternative and thus there will ecosystem.	be no impact	on the agro-	Phase	Additional Environmental Impacts	Refer to Freshwater Ecological Impact Assessment				
Transport Impact Assessment									
The No Go Alternative 1 - Most of t	the study inter	rsections	Construction	Dust	Refer to Air Quality	Impact Assessment			
currently operate at an acceptable	LOS during pe	ak hours.	Phase	Noise	Refer to Noise Impact Assessment				
				Increased Traffic flow	Low-Medium	Low	Low-Medium	Low	
			Operational	PAL1B (Phase 1)	-	Low	-	Low	
			Phase	Phase 2	Subject to TIA in Phase 2				
Poultry Biosecurity Assessment									
It must be noted that there has alw	vays been an a	irfield in the	Construction	Dust	-	Low	-	Low	
	cinity of the poultry farm and therefore many of the		Phase	Noise	-	Low	-	Low	
concerns about wild birds, rodents			Operational	Visual	-	Medium	-	Medium	
biosecurity concerns pertaining to	the County Fa	ir breeder	Phase	Flies/ Rodents	-	Low	-	Low	
farm.				Aircraft Noise	-	Medium	-	Medium	
				Vehicle Noise	-	Low	-	Low	
				Light Pollution (vehicles and airport)	-	Low	-	Low	
				Water issues	Refer to Geohydrolo	gical Impact Assessm	ent		
				Attraction of wild birds	-	Low	-	Low	
				Increased human traffic	-	Low	-	Low	
				Use of Biodigester (with manure)	-	Medium	-	Medium	
				Use of biodigester (without manure)	-	Low	-	Low	
				Ammonia emissions from WWTW	Insignificant	-	Insignificant	-	
Climate Change Impact Assessmen	nt								
Impact of the project on Climate C	Change								
	-		Construction Phase	Emissions	Medium	-	Medium	-	

	Alternative	1 (No Go)			Alternative 2		Alternative 3	
Impact description	Significan ce Pre- Mitigation	Significan ce Post Mitigation	Impact description		Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation
			Operational Phase	Direct operation Total Scope 1+2 emissions (up to 2050)	Low-Medium	-	Low-Medium	-
				Cape Winelands Expansion Project Total emissions (up to 2050)	Medium	-	Medium	-
				Global anthropogenic climate change	Medium	-	Medium	-
Impact of Climate Change on th	e project							
-			Operational	Risk of wildfires	High	-	High	-
			Phase	Risk of Landslides	Medium	-	Medium	-
				Risk of water scarcity	High	-	High	-
				Risk of extreme heat	Medium	-	Medium	-
				Risk of Flooding Events	Low	-	Low	-
Aviation Glint and Glare Assess	ment							
-			Construction Phase	-				
			Operational	Impact of solar glint & glare	-	Very Low	-	Very Low
			Phase	on various aviation				
				receptors				
Aviation Baseline Assessment R	Report and Site So	ensitivity Veri						
-			Construction	Annex 14 OLS surfaces	Refer to Annex 14 OL		•	
			Phase	Height restriction on adjacent land	Refer to Developmen	nt Height OLS (Appen	dix 20)	
			Operational Phase	Airspace design and operation	Refer to CONOPS (Ap	pendix 19)		
				Noise	Refer to Noise Impac	t Assessment		
				Ground transportation	Refer to Transport Im	pact Assessment		
				Socio-economic Impact	Refer to Socio-econo	mic Impact Assessm	ent	
Waste Impact Assessment								
-			Construction	General Waste	Low	Low	Low	Low
			Phase	Organic Waste	Low	Very Low	Low	Very Low
				Hazardous & Industrial Waste	Medium	Low	Medium	Low
				Sewage	Low	Very Low	Low	Very Low

	Alternative 1 (No Go)				Alternative 2		Alternative 3	
Impact description	Significan ce Pre- Mitigation	Significan ce Post Mitigation	Impact description		Significance Pre- Mitigation	Significance Post Mitigation	Significance Pre-Mitigation	Significance Post Mitigation
Operational Phase	Low	Low	Operational	General Solid Waste	Medium	Low	Medium	Low
			Phase	Organic Waste	Low	Very Low	Low	Very Low
				Hazardous & Industrial Waste	Medium	Medium to Low	Medium	Medium to Low
				Sewage	Medium	Low	Medium	Low
				Brine from RO Plant	Low	Very Low	Low	Very Low
				Natural resource	Low	Low	Low	Low
				contamination				
				Generation of atmospheric	Low	Low	Low	Low
				emissions and odors				
				Soil Erosion	Low	Very Low	Low	Very Low
				Generation of dust and	Negligible	Negligible	Negligible	Negligible
				noise				
				Visual impacts	Negligible	Negligible	Negligible	Negligible
				Consumption of resources	Low	Low	Low	Low
				(water)				
				Attraction Birds and Vermin	Refer to Poultry Biosecurity Assessment			
				Leakage of potentially	Low	Very Low	Low	Very Low
				hazardous substances				