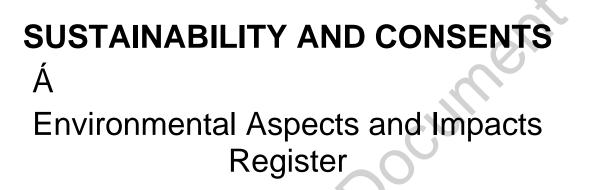


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1 Purpose

The Crossrail Environment Statement identifies the Significant Aspects for the design, construction and operations of Crossrail.

The purpose of this document is to identify the aspects and impacts associated with activities outside of the Crossrail Environmental Statement

2 Scope

- 2.1.1 The following locations are covered within this procedure
 - 25 Canada Square, Canary Wharf, London, E14 5LQ
 - Liverpool St Offices 1-14 Liverpool St, London, EC2M 7NH
 - Canning Town Warehouse, Unit 5 Electra Business Park, 150 Bidder Street, London E16 4ES
- 2.1.2 The following locations currently fall outside the remit of the Crossrail Facilities Management operations and are excluded from the scope of this procedure. The aspects and impacts will be identified and managed by the relevant facilities management employee as follows;
 - Tunnelling and Underground Construction Academy (TUCA) National Construction College Facilities Management subcontractor
 - Site offices Principal Contractor with the exception of Liverpool St office
 - Estates Management Facilities Management (Total Facilities Management) Balfour Beatty Workplace

2.1.3 Construction Activities

Crossrail programme manage and influence the aspects and impacts of construction and design through the applicable Crossrail procedures referenced in the Environment Manual under section 5.10 Operational Control.

3 Definitions

N/A

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4 **Responsibilities**

- 4.1.1 Crossrail Facilities Manager
 - Liaising with and attending regular meetings with office CITI Facilities Management providers including cleaning, maintenance, and catering contractors
 - Maintaining regular contact with landlord's representatives for all premises occupied by Crossrail in order to share relevant safety and environmental related information
 - Liaising with TfLs Environmental Manager
 - Management of Duty of Care documentation for waste and recycling activities
 - Procurement of new office equipment (excluding IT equipment)
 - Disposal of unwanted office furniture and equipment (excluding IT equipment)
 - Procurement of office paper
 - Liaising with the Sustainability & Consents Team on setting environmental objectives & targets
- 4.1.2 TfL Environmental Manager (Facilities Operations, Commercial) Head Office
 - Monitoring and reporting on waste management and recycling together with electricity, gas and water consumption for TfL Head Offices.
- 4.1.3 EMS and Performance Manager
 - Updating aspects and impacts register
 - Advising personnel of legislation updates
 - Conduct Site Inspections
 - Liaise with TfL Environment Manager/Crossrail Facilities Strategy Manager
- 4.1.4 CITI Facilities Management
 - Management of the Waste Management Contract (25 Canada Square)

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5 Procedure

The significance rating of each aspect has been determined using Appendix 7.1, Determining Significance. The aspects and impacts scoring can be found in Appendix 7.2, Aspects and Impacts Severity Scoring.

5.1 Rented Property with facilities management

5.1.1 Rented Offices

The Crossrail Team are tenants at one rented office building; 25 Canada Square, which is managed by Citibank. Therefore there is limited control in relation to utilities (waste, electricity, water and infrastructure) maintenance and management. Where possible the Crossrail Team will endeavour to influence this through Objective 04 (Waste) and 05 (Energy), & through tenant forum meetings with building owners. The potential impact is insignificant.

5.2 Rented properties managed by Crossrail

5.2.1 Warehouse

The Warehouse based at Canning Town Business Park is rented by Crossrail and the facility is managed by Crossrail Team. It is used to store archive material. The potential impact is insignificant after mitigation control measures have been implemented.

5.2.2 Liverpool St Offices

The Liverpool St Offices are leased to Crossrail Land and Property and the facility is managed by Crossrail Team of which the maintenance is contracted out to Cofely.)The potential impact is insignificant after mitigation control measures have been implemented. The aspects and impacts assessment have been combined for the warehouse and Liverpool St offices.

6 Reference Documents

Ref:	Document Title	Document Number:
1.	Environmental Facilities Management Procedure	CR-XRL-Z2-GPD-CR001_Z-50016
2.	Environment Manual	CR-XRL-T1-GMN-CR001-00001
3.	Canning Town Warehouse Procedure	CR-XRL-Z2-GPD-CR001_Z-50007
4.	Estate Management Process	CR-XRL-T2-GPC-CR001-00008

Standard Forms/Templates

Ref:	Document Title	Document Number:
Α.	None	
В.		

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8 Appendix

8.1 Determining Significance

8.1.1 Severity of environmental impact evaluation

Severity	Severity Evaluation								
Score	Significance	Description							
1	Insignificant	None of the relevant parameters exist at a level that can cause potential impacts to the environment.							
2	Minor	Some of the parameters exist at recognisable levels that have the potential to cause minor environmental change.							
3	Moderate	The parameters of the aspect / impact all exist at recognisable levels and are / can cause environmental damage, but such damage is short term and always repairable.							
4	Major	The parameters of the aspect / impact exist at a level that does or will cause environmental damage, but the damage is not permanent or is only medium term.							
5	Severe	The parameters of the aspect / impact are comparatively high and combined in a manner that causes, or can cause, severe environmental damage, e.g. permanent / long term environmental damage.							

8.1.2 Likelihood of occurrence of environmental impact

Likelih	Likelihood Evaluation									
Score	Likelihood	Description								
1	Very Unlikely	One year								
2	Unlikely	Six monthly occurrence								
3	Possible	Three monthly occurrence								
4	Likely	Monthly occurrence								
5	Very Likely	Daily – Weekly occurrence								
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8.1.3 Significance Ratings Matrix (Environmental Impact * Likelihood)

			S		ES	
		1 Insignificant	2 Minor	3 Moderate	4 Major	5 Catastrophic
	5 Very Likely	5	10	15	20	25
LIKEL	4 Likely	4	8	12	Signifi 16	20 20
LIKELIHOOD SCORES	3 Possible	3	6	9	12	15
RES	2 Unlikely		ot 4 ificant	6	8	10
	1 Very Unlikely	1	2	3	4	5
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8.2 Aspects and Impacts Severity

7.2.1 Rented Properties with Facilities Management

				Pre co	ontrols				Post C	ontrols	
Aspect	Conditions	Impacts	Severity	Probability	Impact Score	Significant (yes/no)	Controls	Severity	Probability	Impact Score	Significant (yes/no)
	Ν			0	0	N			0	0	Ν
	А	Disturbance or destruction of natural habitats	1	0	0	N	N/A	1	0	0	Ν
Ecology/Biodiversity	E			0	0	N	J		0	0	Ν
Loology, Bloarversity	N			0	0	N			0	0	Ν
	А	Spread of invasive species	1	0	0	N	N/A	1	0	0	Ν
	E			0	0	N			0	0	Ν
	N		3	4	12	Y		1	3	3	Ν
Waste Management and Disposal	А	Inefficient waste management, incorrect disposal of waste	4	2	8	N	Waste segregation and correct disposal methods in place		2	2	Ν
Disposal	E		5	1	5	N			1	1	N
	N		1	0	0	N		1	0	0	Ν
Listed building	А	Damage of protected buildings.		0	0	N			0	0	Ν
	E			0	0	N			0	0	Ν
	Ν			0	0	N			0	0	Ν
Surface and groundwater	А	Risk of pollution by run-off or direct contact	1	0	0	N	N/A	1	0	0	Ν
	E			0	0	N			0	0	Ν
	N	Dellution of land size		0	0	N			0	0	Ν
Land contamination	А	Pollution of land, air or water	1	0	0	N	N/A	1	0	0	Ν
	E	0.0		0	0	N			0	0	Ν

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Environmental Aspects and Impacts Register

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Rented Properties with Facilities Management continued

				Pre controls			Ocastasta	X	Post C	ontrols	
Aspect	Conditions	Impacts	Severity	Probability	Impact Score	Significant (yes/no)	- Controls	Severity	Probability	Impact Score	Significant (yes/no)
	N	0		0	0	N			0	0	Ν
Noise and vibration	А	Causing noise and vibration nuisance	1	0	0	N	N/A	1	0	0	Ν
	E			0	0	N			0	0	Ν
	N			0	0	N			0	0	Ν
Dust and Air quality	Α	Causing decreased air quality and/or dust nuisance	1	0	0	N	N/A	1	0	0	Ν
	E			0	0	N			0	0	Ν
	N		2	2	4	N	N/A	N/A 2	2	4	Ν
Consumption of materials	Α	Depletion of natural resources	3	2	6	N			2	4	Ν
	E		4	1	4	N			1	2	Ν
	N		3	4	12	Y	Use of florescent		2	4	Ν
Energy consumption	A	Inefficient use of energy	4	1	4	N	 lighting, review of energy use, 	2	1	2	Ν
	E		5	1	5	N	objectives and targets		1	2	Ν
	N			0	0	N			0	0	Ν
Archaeology	А	Damage of Archaeological Remains	1	0	0	N	N/A	1	0	0	Ν
	E			0	0	N			0	0	Ν
	N		3	2	6	N			2	4	Ν
Water Use	A	Inefficient use of water	4	1	4	N	N/A	2	1	2	Ν
	E		5	1	5	N			1	2	Ν

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Aspect	Conditions	Impacts		Pre co	ontrols		ols		Post Co	ontrols	
Aspect	Conditions	impacts	Severity	Probability	Impact Score	Significant (yes/no)	Controls	Severity	Probability	Impact Score	Significant (yes/no)
	N	Disturbance or		0	0	N			0	0	N
	А	destruction of natural habitats	1	0	0	N	N/A	1	0	0	N
Ecology/Biodiversity	E	natural nabitats		0	0	N			0	0	N
	Ν			0	0	N			0	0	N
	А	Spread of invasive species	1	0	0	N	N/A	1	0	0	N
	E			0	0	N			0	0	N
	Ν		3	4	12	Y	Waste segregation		3	3	N
Waste Management	A	Inefficient waste management, pollution	4	2	8	N	and correct	1	2	2	N
and Disposal	E		5	1	5	N	disposal methods in place		1	1	Ν
	N	Damage of protected buildings.	1	0	0	N			0	0	N
Listed building	A			0	0	N	N/A	1	0	0	N
	E			0	0	N			0	0	N
Surface and	Ν	Risk of pollution by	2	2	4	N			2	4	N
groundwater	А	run-off or direct	3		3	N	N/A	2	1	2	N
	E	oonidot	4	1	4	N			1	2	N
	Ν	Dollution of land		0	0	N			0	0	N
Land contamination	A	Pollution of land, air	2	0	0	N	N/A 2	0	0	N	
	E			1	2	N			1	2	N
Noise and vibration	Ν	Causing noise and	2	0	0	N	N/A	2	0	0	N

8.2.2 Rented properties managed by Crossrail

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	А	vibration nuisance		0	0	N			0	0	Ν
	E			1	2	N			1	2	Ν
Dust and Air quality	Ν	Causing increased air quality/dust through delivery of	2	0	0	N	N/A		0	0	Ν
	А			0	0	N		2	0	0	Ν
	E	goods		1	2	N			1	2	Ν
Consumption of materials	Ν	Depletion of natural resources	2	2	4	N		2	2	4	Ν
	А		32	2	6	N	N/A		2	4	Ν
Energy consumption	E	Inefficient use of energy	4	1	4	N			1	2	Ν
	Ν		3	4	12	У	Use of florescent		2	4	Ν
	А		4	1	4	N	lighting, review of energy use, objectives		1	2	Ν
	_		5		_			2			
	E			1	5	N	and targets		1	2	Ν
Archaeology	Ν	Damage of Archaeological Remains	1	0	0	N	N/A	1	0	0	Ν
	А			0	0	N			0	0	N
	E	i terriariis		0	0	N			0	0	N
Water Use	Ν	Inefficient use of water	3	2	6	N	N/A	2	2	4	N
	А		4	1	4	N			1	2	Ν
	E		5	1	5	N			1	2	N

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