



# Outline Construction Environmental & Waste Management Plan

**Buckingham**  
**Marcus Projects**  
IE0313027-22-RP-0001, Issue: A



# Document Sign Off

## Outline Construction Environmental & Waste Management Plan

Buckingham  
Marcus Projects  
IE0313027-22-RP-0001, Issue A

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CURRENT ISSUE					
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PREVIOUS ISSUES							
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## 1 Introduction

PM Group has prepared this Construction Environmental and Waste Management Plan (CEWMP) on behalf of Google Ireland Limited for the proposed development at their existing data centre at Grange Castle Business Park South, 22 Baldonnel Road, Dublin 22, D22 X602.

This CEWMP will form part of the planning application and contract documentation for the works. Requirements and responsibilities will be reviewed with each contractor at site kick-off meetings and at regular progress meetings.

The CEWMP is considered a “live” document and as such will be reviewed on a regular basis. Updated to the CEWMP may be necessary due to changes in environmental management practices and/or contractors during the life cycle of the project. The procedures agreed in the latest revision of the CEWMP will be audited regularly throughout the construction phase to ensure compliance.

### 1.1 Objective/Purpose

The CEWMP is an integral part of the site health, safety, environmental and quality management system and constitutes a component of the Construction Management Plan documentation. The CEWMP is also subject to the requirements of the site quality management system with respect to documentation control, records control and other relevant measures.

#### 1.1.1 Document Review and Updates

The provisions of the CEWMP will be regularly reviewed by the Project Environmental Officer, to ensure that measures remain appropriate and are suitable to each phase of works. Further to appropriate liaison with or feedback received from relevant stakeholders, this CEWMP will be supplemented by additional measures if necessary.

### 1.2 Scope

The CEWMP defines the approach to environmental management at the site during the construction phase. ***Compliance with the CEWMP the procedures, work practices and controls will be mandatory and must be adhered to by all personnel and contractors employed on the construction phase of the project.*** Each contractor must complete the Contractor Environmental Management Form (Appendix I) before commencement of work on site.

## 2 Project Description

### 2.1 Site Location

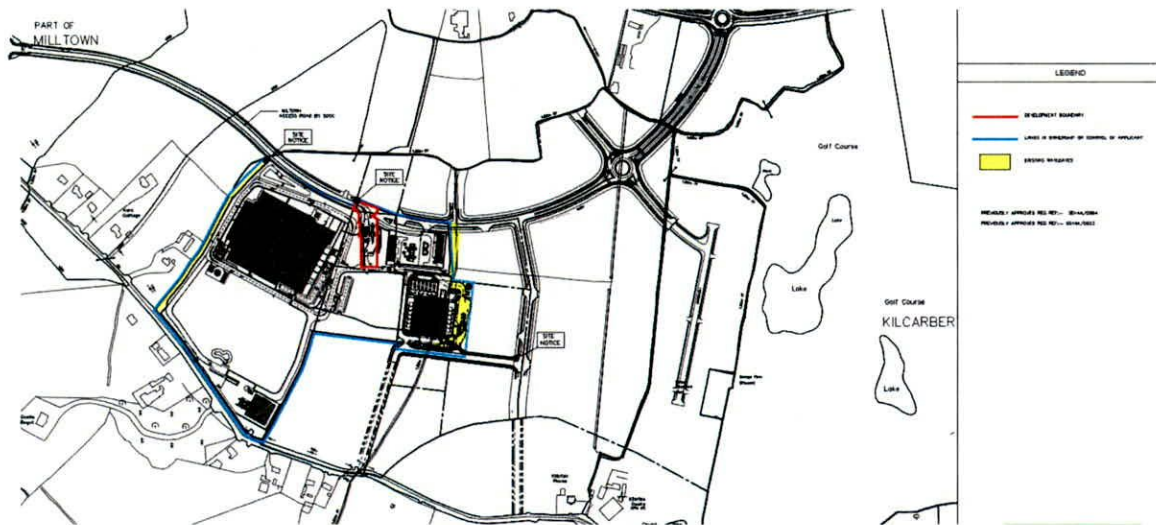
The proposed development is located within the existing Google Ireland's data storage campus at Grange Castle Business Park (south). The campus occupies an area of approximately 12.5ha and is located on Profile Road between the Nangor Road (R134) to the north and Baldonnel Road (L2001) to the south (See figures 1.1 & 1.2).

The campus lands are fully enclosed with security fencing and are landscaped with maturing tree lines and wild-grass meadows. Prior to Google's development the site comprised green field agricultural lands, the transition to the existing campus use was considered in the Environmental Impact Statement submitted as part of the primary governing permission SD14A/0023, permitted in 2014. There are no watercourses running through the campus. Existing surface water management infrastructure is in place as part of the governing planning.

The subject site is the existing permitted principal entrance to the campus. It is located within campus lands and consists of a security building adjacent to two road access lanes with traffic barriers and road marking to control traffic flow. To gain access staff and visitors must check-in to the Security Gatehouse. No change to the Security Gatehouse is proposed.



Figure 1.1 Site Location (Source Google Maps)



**Figure 1.2** Works location within site (boundary outlined in red)

## 2.2 Proposed Development

It is proposed to modify and upgrade the existing campus entrance to the Google Data Storage facility. This entrance is the primary entrance to the facility. All proposed works are set-out in drawing ref. IE0313027-30-DR-0010, which also provides details on the existing permitted security arrangement at the entrance.

The proposed works comprise the following:

- Adjustment of internal access road and lane alignment with revised road markings, traffic island and bollards.
- Replacement of 3 no. traffic arms and associated card reader at site entrance.
- Installation of 3 no. lifting underground security road blockers and associated control equipment.
- Provision of 2 no. set-down car spaces for visitors waiting at the existing permitted security gatehouse.
- Associated construction works, landscaping and drainage provision.

All works will be undertaken within the campus area, no works are proposed at the public road. No change to the existing security gatehouse is proposed, though 2 no. set-down parking spaces will be provided on its northern side.

## 2.3 Construction Management

The construction period is anticipated to take between 10 to 12 weeks. The construction programme will allow for continued, secure, site access during this period. Key construction items will comprise:

- Removal of existing (3 no.) traffic arms
- Removal of existing road markings and access lane traffic Islands
- Preparation of internal road surface and access to existing surface water drainage
- Excavation to existing road (approx. 3 no. excavations of to a depth of approx. 1.5m by 5m by 1.5m provide for underground lifting road-blockers.
- Installation of revised traffic Island and associated services.
- Installation of underground lifting road-blockers (3 no.) and associated control box and services.
- Installation of revised road marking and bollards.
- Installation of revised traffic arms (3 no.)
- Finishing and commissioning

It is intended to maintain traffic flow through the existing entrance. Adherence to the construction traffic management plan and effective scheduling of works will ensure smooth continuous traffic flows, no queuing or 'spill-over' to the public road leading to the entrance will occur.

All excavated material from road re-alignment will be taken off-site by licenced waste haulier to a licenced waste facility. Excavated soils and fill from security road blocker will be retained within the campus for general landscaping purposes. While the possibility of soil contamination is very unlikely, visual checking will be undertaken during excavation, in the unlikely event of contamination being found, appropriate measures will be implemented to take off site by licenced haulier to a licenced waste facility.

Principal construction equipment on site will include; 'road-scrabler', excavators (3T to 20T with rock breakers), dumper vehicles and trucks. Concrete will be delivered to site, less than 5 no. deliveries in total are anticipated. No concrete chute washing will be permitted.

Construction work will generally take place between 08:00 to 18:00 Monday to Friday. Some work, when staff traffic volumes are lowest, may be required on Saturdays to minimise impact on facility operations standard working hours of 09:00 to 13:00 hrs are anticipated. In the event that outside hours work is necessary, the contractor will notify the planning authority and any adjacent commercial or residential neighbours will be communicated with to ensure agreement in advance.

Construction noise levels are not anticipated to exceed standard noise levels for construction activity. Given distance of nearest residential and neighbouring commercial receptors, noise levels at these receptors will not exceed 65dbA during working hours.

Little or no works causing vibration are anticipated, except during short periods of concrete breakout of the existing road surface. Vibration levels at neighbouring residential and commercial properties are anticipated to be un-detectible given separation distances. This will be monitored by the construction team during such events.

Dust management practices will be deployed during dry periods. As trucks leaving the site will not be required to manoeuvre on open ground, no spread of site material is anticipated and on site wheel wash will not be required. Notwithstanding this, contractor will ensure a power hose lance is available to avoid carrying material on HGV tyres. If required the construction manager will determine if road sweeping is necessary to keep material off the public road.

If construction lighting is required, all lighting will be downward cowled and no light will directed to public road and adjacent residences / commercial neighbours. No construction lighting will be used outside specified working hours.

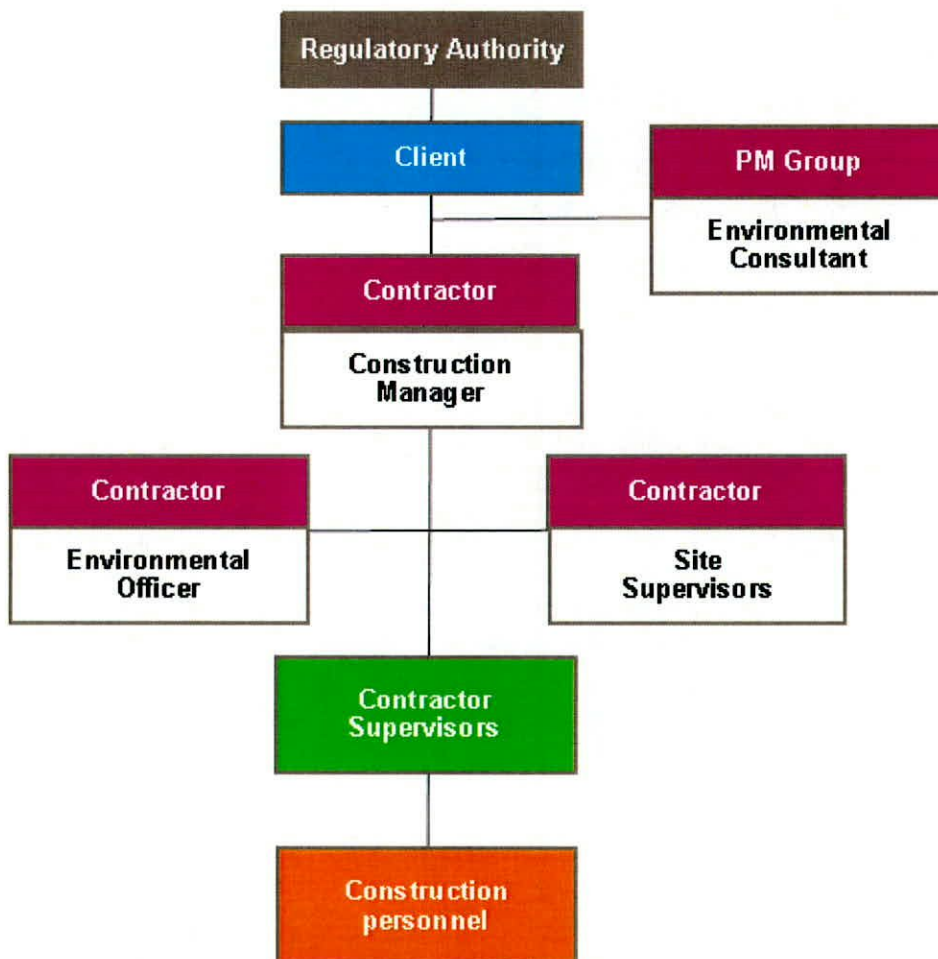
Water management provisions will be installed to avoid release of sediments or silt to the existing surface water drainage system. Only clean water discharge to existing surface water drains will occur.

The construction contractor will be obliged prepare a construction management plan to include for best practice site management and this will align with the above.

### 3 Team Roles & Responsibilities

#### 3.1 Team Structure

A project organisation chart is included in Figure 3.1. The appointed Construction Management Team (CMT) is responsible for the delivery of all elements of the CEWMP. The CMT will retain all responsibility for issuing, changing and monitoring the CEWMP.



**Figure 3.1** Team Structure and Responsibilities



### 3.2 Responsibility Assignment Matrix

Table 3.1 outlines the roles and responsibilities for the relevant project personnel within the CMT. The Construction Manager (CM) has overall responsibility for the development and implementation of the CEWMP and as such should ensure that the Table 3.1 is understood by and agreed with all members of the CMT.

Responsibility	Construction Manager	Env. Officer	Project Env. Consultant	Contractor Supervisors	Contractor Personnel
Generate and maintain a Register of Potential Environmental Impacts & Controls		X	X		
Upon request assist/support CM with development of CEWMP		X			
Implementation of all measures specified in the CEWMP	X	X			
Provision of adequate resources & facilities to implement CEWMP	X	X			
Ensuring CEWMP requirements form part of tenders & contracts	X	X			
Review Register of Potential Environmental Impact & Controls for relevance to task	X	X		X	X
Develop Environmental Compliance Procedures as required by CEWMP		X		X	
Ensure monitoring such as noise, dust etc. as required by CEWMP in place		X			
Develop Site Specific CEWMP Training Package		X	X		
Provision of CEWMP Training (Induction), Guidance & Advice to all Contractors		X			
Site Environmental Inspections & Report to CM		X			
Provide Inspection & Monitoring Reports as required to Client		X			
Site Environmental Audits			X		
Environmental Reporting on Key Performance Indicators		X			
Read, understand & adhere to all aspects of CEWMP	X	X		X	X
Ensure Method Statements & instructions include all relevant environmental controls				X	
Ensure Safe Plans of Action (SPA) include assessment of environmental risks					X

Report environmental incidents or near misses to Environmental Officer & CM				X	X
Utilisation of Toolbox Talks for Environmental Awareness	X	X			

**Table 3.1:** CEWMP Responsibility Matrix

### 3.3 Environmental Awareness and Training

Environmental Induction Training will be provided to all contractors and staff working on the project. A record of training must be maintained by the CMT. Training must identify the site’s environmental sensitivities and control measures required as per the CEWMP.

Toolbox talks and awareness sessions will be used periodically throughout the project to raise awareness and education on good environmental issues and good practice onsite (e.g. spill response, waste management, biodiversity and sustainability).

### 3.4 Key Environmental Aspects

#### 3.4.1 Environmental Aspects, Objectives & Targets

The main environmental aspects, which will be relevant to the project will include:

- Surface Water/Groundwater and Soil Protection
- Waste Management
- Noise & Vibration
- Biodiversity
- Air Quality (Dust & Vehicle Exhaust Emissions)
- Lighting
- Traffic
- Sustainability

Environmental objectives are the broad goals that the contractor must set in order to improve environmental performance. Environmental targets are set performance measurements (Key Performance Indicators (KPI’s)) that must be met in order to realise a given objective.

#### 3.4.2 Potential Environmental Impacts & Control Measures

The potential environmental impacts that may occur as a result of the project are assessed in the Register of Potential Environmental Impacts & Controls. This register will be drafted once construction commences and be reviewed on an on-going basis by the CMT

### 3.5 Waste Management

#### 3.5.1 Assignment of Responsibilities

Waste management is best managed operationally by the CMT Environmental Officer. He/she will take responsibility for all aspects of waste management at the different stages of the project.

The Environmental Officer will be technically competent and appropriately trained, take the responsibility to ensure that the measures identified within the CEWMP are delivered, and will be assigned the requisite authority to secure achievement of this purpose.

Overall, the function of the Environmental Officer in this role will be to communicate effectively with colleagues in relation to project waste management. The Environmental Officer will maintain accurate records on the quantities of waste/surpluses arising during the construction phase.

At an operational level, the waste management contractor will be the responsible person for managing waste skips and loads onsite. An appropriate person from each contractor on the site will be assigned the direct responsibility to ensure that the discrete operations stated in the CEWMP are performed on an on-going basis.

### **3.5.2 Identification of Waste Streams**

The hazardous and non-hazardous waste streams likely to arise on site are identified and recorded in Tables 4.3 and 4.4. These tables will be regularly updated as the activities progress, to confirm all new waste streams and quantities on site are captured and recorded.

**Table 3.3 Estimated Construction Waste Arising on Site (Non-Hazardous)**

Waste Name	EWC Code	Comments
Timber	17 02 01	Timber that is uncontaminated, i.e. free from paints, preservatives, glues etc., will be segregated at source and stored in dedicated skips for recycling.
Glass	17 02 02	A designated skip will be provided for any broken or other waste glass, which can then be recycled.
Plastic	17 02 03	Plastic generated will be primarily from packaging and material off-cuts. All recyclable plastic will be segregated at source and stored in a dedicated recycling skip.
Cardboard	20 01 01	Excess cardboard will be generated from shipping containers, boxes, packing material etc. Cardboard will be flattened and placed in a designated covered recycling skip on site to prevent it getting wet.
Metals (including their alloys)	17 04	Metals will be segregated into mixed ferrous, cladding, panelling, aluminium, stainless steel, etc.
Insulation materials, e.g. piping and ducting, insulation panels, etc.	17 06 04	Insulation materials will be separated and placed in a designated covered recycling skip on site to prevent it getting wet.
Bricks, Tiles and ceramics,	17 01 03	Any bricks, tiles and ceramics waste generated (especially during the demolition phase) can be segregated at source and stored in a dedicated recycling skip
	17 01 07	
	17 01 02	
Concrete	17 01 01	Any concrete generated is expected to be clean, inert material and it is proposed to reuse it for construction purposes where possible.
Mixed Construction and Demolition Waste	17 09 04	Mixed Construction and Demolition Waste that cannot be segregated into the above waste types will be placed in a separate receptacle.
Soil and stones other than those mentioned in 17 05 03	17 05 04	Any excess inert soils and subsoils excavated that is not required for use as fill on site will be re-used offsite. The soil will be removed and disposed of by a licensed waste contractor.

**Table 3.4 Estimated C&D Waste Arisings on Site (Hazardous)**

Waste Name	EWC Code	Comments
Hydraulic oils	13 01*	Liquid waste will be stored in drums in a designated bunded area of the construction compound. When the drums are full, the site waste contractor will be notified, and they will arrange for the material to be transported off site to an approved waste disposal facility.
Engine, gear and lubricating oils	13 02*	
Liquid Fuels	13 07*	
Oil wastes not otherwise specified	13 08*	
Insulation materials, e.g. piping and ducting, insulation panels, etc.	17 06 03*	These will be transferred to a specialised container in the waste storage area and taken off site by a licenced waste contractor.
Paints, inks, adhesives, resins	20 01 27*	These will be transferred to a specialised container in the waste storage area and taken off site by a licenced waste contractor.
Absorbents, filter materials, wiping cloths and protective clothing	15 02*	All disposable PPE or any material will be segregated from non-hazardous waste and disposed of in designated waste receptacles. All wipes and cloths used in the event of spills on site will be treated as hazardous waste and will be managed accordingly.
Spent florescent tubing and light fixtures	20 01 21*	These will be transferred to a specialised container in the waste storage area and taken off site by a licenced waste contractor.
Waste Electrical and Electronic Equipment (WEEE)	16 02 03*	This material will be transferred to a specialised container in the waste storage area and be taken off site by a licenced waste contractor.
Soil and stones containing dangerous substances	17 05 03*	In the unlikely event that any soil encountered is deemed to be potentially contaminated (i.e. not inert), it will be stored separately to the inert material, sampled and tested, in order to approximately classify the material as non-hazardous or hazardous before being transported to an appropriately licensed facility by permitted contractors.

\*denotes hazardous waste

### 3.5.3 Prevention of Waste

The most preferred option for waste management is prevention and minimisation of waste, followed by re-use and recycling, other recovery (i.e. waste to energy and anaerobic digestion) and, least favoured of all, disposal.

Priority will be given to waste prevention and reducing the amount of waste generated in the first instance. In order for the prevention and minimisation of waste the following steps will be taken during construction:

- Ensure materials are ordered on an "as needed" basis to prevent over supply to the site
- Purchase coverings, panelling or other materials in shape, dimensions and form that minimises the creation of excessive scrap waste on site
- Ensure correct storage and handling of construction materials to minimise generation of damaged materials/waste

Assign individual responsibility (through appropriate contractual arrangements) to contractors for the purchase of raw materials and for the management of wastes arising from their activities, thereby ensuring that available resources are not expended in an extravagant manner at the expense of the main contractor.

### 3.5.4 Reuse of Waste

Reuse options onsite will be assessed, such as use of soil and stone from excavations as fill in the vicinity of project building foundations once built.

If the material is deemed to be a waste, removal and reuse/recycling/ recovery/disposal of the material will be carried out in accordance with the applicable regulations.

If any of the material is to be reused on another site as a by-product (and not as a waste), this will be done in accordance with the applicable regulations.

### 3.5.5 Recycling of Waste

Once all available beneficial re-use options have been exhausted, the options of recycling and recovery at waste permitted and licensed sites will be considered.

The site waste management contractor will arrange for the collection of segregated materials by licenced hauliers and delivery to an appropriate licenced and approved waste recycle facility.

### 3.5.6 Disposal of Waste

The site waste management contractor will arrange for disposal of material to a licenced recycle, reuse or disposal facility.

### 3.5.7 On-Site Waste Management

Waste containers will be placed around the construction site for all contractors to dispose of waste material as soon as it is generated.

Waste will be segregated at source as much as is practically possible by the construction personnel working on a task or in their area on the construction site. Bins will be provided at strategic locations for the segregation of wastes at source. A policy of no waste to hit the ground, and clean as you go will apply. The wheelie bins, mobile skips will have labels for the segregated waste types (e.g. general waste, timber, metal, concrete rubble) with hazardous waste placed in drums as required. All waste are to be segregated as much as possible by the teams at source into correct bins, mobile skips. Every effort will be made to avoid cross-contamination of waste materials.

### 3.5.8 Waste Removal and Documentation

The site waste management contractor will arrange for the transfer of the waste to an appropriate waste processing facility. All transfers of waste off-site will be weighed at the site weighbridge, with details of the consignment and weight being recorded on the site waste consignment record. All consignments of waste offsite are managed by the site waste management contractor.

### 3.6 Traffic Management

The CMT will ensure that all construction traffic routes are maintained throughout the works period and traffic flows into the site will not result in queuing or over-spill to the public road. The CMT will ensure that no degradation is caused to the permanent works and will provide suitable protection to such areas. The CMT will be responsible for maintaining all external works areas, temporary and permanent works, while accommodating vehicle and pedestrian movements of all other Contractors on site.

### 3.7 Noise & Vibration

There is no statutory guidance relating to the maximum permissible noise level that may be generated during the construction phase of a project. Local authorities normally control construction activities by imposing limits on hours of operation and have also included conditions to limit noise levels to those in *BS 5228-1:2009+A1:2014 Code of practice for noise and vibration control on construction and open sites*.

Little or no works causing vibration are anticipated, except during short periods of concrete breakout of the existing road surface. Vibration levels at neighbouring residential and commercial properties are anticipated to be un-detectable given separation distances. This will be monitored by the construction team during such events.

### 3.8 Air Quality (Dust & Vehicle Exhaust Emissions)

No Sensitive receptors (neighbouring residences) to air quality and dust are located in proximity to the site's boundary.

The potential for dust to be emitted during construction works is dependent on the type of activity being carried out, and environmental factors including levels of rainfall, wind speeds and wind direction. The potential for impact from dust depends on the distance from the site to potentially sensitive receptors and whether the wind can carry the dust to these locations. The majority of dust produced will be deposited close to the generated source.

Standard good practice construction measures, such as water spray, atomisers etc. will be implemented to minimise the generation of dust as required. As the project works will be carried out within the confines of an operational production site, it will be a requirement to ensure sufficient dust control measures are in place at all times. Works will only be carried out subject to an agreed and approved method statement. All construction vehicles will be driven on existing site roads and areas of hard standing and consequently will not transport mud or earth during movement.

The CMT will carry out regular inspections of all trucks and will be required to record any incidents or situations where adequate cleanliness is not achieved. The registration numbers of all trucks will be maintained by the contractor and this will ensure traceability.

Vehicles using site roads will have their speed restricted, and this speed restriction will be enforced rigidly.

Good housekeeping and site management will be observed including the proper storage of spoil / loose materials on site.

Loose materials that are transported on or off site will be properly contained.

During very dry periods, if necessary dust emissions from heavily trafficked locations will be controlled by spraying surfaces with water.

Potentially dusty material being removed from the site will be transported in covered trucks, where the likelihood of emitting dust is high, and during dry weather conditions, the area of removal will be sprayed with a mobile tanker on a regular basis to control dust emissions.

Exhaust emissions from construction plant and equipment operating within the site, including trucks, excavators, diesel generators and compressors, will be controlled by the contractor by ensuring that the equipment is well maintained and is operated in accordance with normal good practice. All vehicles and combustion equipment will undergo appropriate inspection and maintenance to ensure proper functioning.

### 3.9 Biodiversity

No controls or mitigation measures beyond good construction practice is required.

To prevent Japanese Knotweed from outside the site being inadvertently being brought in to the site, the contractor will be required to inspect vehicles before using them on site and will pay particular attention to caterpillar tracks and where trucks and dumpers are stowed. The supplier of fill will be required to provide a guarantee that the fill to be imported does not contain knotweed. In addition, the fill will be inspected for signs of knotweed, prior to importation to site.

### 3.10 Surface Water/Groundwater & Soil Protection

The employment of good construction management practices will minimise the risk of pollution of soil, storm water run-off, seawater or groundwater. Implementation of best practice guidelines will ensure that the risk of pollution of groundwater, soils and surface waters, resulting from the construction activities, is minimised.

The key objective of this section of the outline CEWMP is that appropriate environmental controls and procedures are implemented during construction activities, in order to prevent potential pollution of soil, storm water run-off or groundwater.

Good housekeeping will be performed for the duration of the construction phase. Proper use, storage and disposal of lubricants, fuels and oils and their containers shall be adhered to.

Plant nappies will be placed under plant such as generators and welders. Plant nappies will also be used as a precautionary measure under lighting towers and mobile fuel bowsers.

Spill kits will be made available to all machinery and in designated areas at all times. Spill kits will be kept in all machines on the site and a large spill kit shall be made available in the site stores.

Every construction vehicle will have its own spill kit on board (including mats and spill trays).

If oil and fuel storage tanks are required these will be stored in designated areas, and these areas shall be bunded to a volume of at least 110% of the capacity of the largest tank/container within the bunded area(s) (plus an allowance of 30 mm for rainwater ingress) or 25% of the total volume of substance that could be stored within the bunded area, whichever is greater.

Drainage from the bunded area(s) if required will be diverted for collection and safe disposal. Sampling and analysis of the water must be carried out if there is reason to believe the water is contaminated to ensure it is clean and suitable for discharge to the drainage system, if necessary. If contaminated, it should be treated as hazardous and disposed of by an approved waste contractor.

Refuelling of construction vehicles and the addition of hydraulic oils or lubricants to vehicles, will take place in a designated area of the site. In the event of a machine requiring refuelling outside of this area, fuel must be transported in a mobile double skinned tank with a plant nappy map placed under the fuel hose, tap during refuelling of the machine. An adequate supply of spill kits and hydrocarbon adsorbent packs must be stored in this designated area.



### 3.11 Construction Lighting

Any lighting required during construction will be downward cowled and directed away from any neighbouring residential or commercial properties and the public road. No construction lighting will be required outside working hours.

## 4 Monitoring & Reporting

### 4.1 Monitoring

#### 4.1.1 Environmental Monitoring Programme

Contractors are responsible for the implementation of control measures, see Table 3.1, and as may be further detailed in approved Method Statement, permits or other site-generated documentation.

#### 4.1.2 Monitoring Compliance Records

The CMT will carry out regular inspections to confirm compliance with the CEWMP.

Daily inspections by the CMT will address potential environmental impacts including dust, litter, waste management and general housekeeping.

### 4.2 Inspections and Audits

The Environmental Officer will act as the main point of contact with specific responsibility for environmental matters. This person will have the necessary qualification/ expertise/experience to allow him/her discharge this role. The appointed person must carry out regular inspections (daily and weekly) to confirm compliance with the CEWMP. Feedback from the inspections should inform Toolbox Talks.

#### 4.2.1 Corrective Actions

Corrective Action Requests (CARs) will be issued to ensure that prompt action is agreed and committed to, with a view to the effective resolution of any deviations from the CEWMP requirements or any environmental issues.

CARs may be raised as a result of:

- An internal or external communication or complaint
- An internal audit
- A regulatory audit or inspection
- A suggestion for improvement
- An incident or potential incident

All corrective action requests will be numbered and logged.

### 4.3 Complaints/Incidents

#### 4.3.1 Complaints

The following complaints procedure is to be followed:

- A complaints register is maintained by the CMT in which the following information is recorded:
  - Name, address and contact details of complainant
  - Nature of complaint
  - Date, time and duration of event leading to the complaint

- All communications made in relation to the complaint
  - Observations of reoccurrence
  - Resolution of complaint
- The Environmental Officer or nominee will carry out a root cause analysis of the complaint.
  - The results of the findings will be communicated back to the complainant by client
  - The Environmental Officer will prepare a corrective action and update the CEWMP documentation as necessary to prevent a reoccurrence.

#### **4.3.2 Incidents**

All environmental incidents are to be reported to the Environmental Officer.

#### **4.4 Reporting and Record Keeping**

The Environmental Officer will ensure that fully detailed records are maintained of any 'incident / event' likely to cause non-compliance and / or harm to the environment. The Environmental Officer will be responsible for notification to client of all environmental incidents, near misses and third party complaints received.

The Environmental Officer will be responsible for maintaining records of any required environmental monitoring during the construction project.

Complaints and Follow up Actions in relation to construction activities on the site will be recorded on record sheets to be developed prior to commencement of construction.

A copy of environmental audit findings as recorded will be maintained by the Environmental Officer.

All contractors will be required to maintain an up to date full record of Safety Data Sheets (SDS) pertaining to their works in a central accessible location.

# Appendix 1

## Contractor Environmental Management Form

### Contractor Environmental Management Form

This form must be completed in full with all questions answered by each contractor PRIOR to commencing work on the project.

Contractor Name: \_\_\_\_\_ Rev: \_\_\_\_\_

Trade: \_\_\_\_\_

Company Address: \_\_\_\_\_

Site Working Hrs:

Mon-Fri: \_\_\_\_\_

Sat: \_\_\_\_\_

Tel: \_\_\_\_\_

Fax: \_\_\_\_\_

Supervisor with Responsibility for Environmental

Mobile: \_\_\_\_\_

Matters: \_\_\_\_\_

Email: \_\_\_\_\_

**Outline what measures will be taken to minimise Environmental Impact.**

Tick ✓ those that will be applied to your work and/or add in other measures as appropriate – these must be communicated to your site staff for environmental control.

<b>Concrete Water</b>	use of designated "concrete washout area" for chute washout only		<b>Materials</b>	purchase materials to proper spec	
				minimise wastage of working materials	
<b>Air Quality (Dust)</b>	dampen with water		<b>Noise</b>	have all liquids in bund	
	enforce "clean as you go" policy			high standard plant and equipment	
	use debris netting			regular maintenance of plant and equipment	
	cover skips			work within official working hours	
	cover spoil heaps			switch off machines not in use	
	net scaffolding			use of silent plant	
	regular road cleaning		<b>Neighbours</b>	minimise local disturbance	
	cover truck loads			get prior agreement for access	
	wash trucks			report any complaints to Management Team	
	limit speed of vehicles			no unauthorised parking	
<b>Energy</b>	timers on all heaters		<b>Water</b>	Notify Management Team for discharge of water	
	sprung door closers			use of settlement tanks/ponds	
	print paper on both sides		no washing out of paint cans		
	Switch – off regime				
<b>Fuel Storage</b>	label all containers		<b>Vibration</b>	work within official working hours – monitor during concrete break-out	
	store on level ground		<b>Waste</b>	prompt servicing of bins/skips	
	bunded tanks/containers			retain waste dispatch log	
	all static containers and pipes bunded			enforce "clean as you go" policy	
	all mobile plant on plant nappies			use only authorised waste contractors	
	lock fuel nozzles			proper specialist disposal of aerosols, adhesives, paints, fluorescent tubes, batteries, oil filters, oily rags, flushing chemicals, contaminated soil	
	use of jerry cans only				

	have spill kits onsite			
<b>Housekeeping</b>	keep storage area tidy		<b>Water</b>	have stop taps on all hoses
	keep work area tidy			ensure all pipes are intact and not leaking
<b>Other:</b>	No construction lighting outside working hours. All construction lighting to have downward cowls and ensure not directed to public road or neighbouring properties.			
<b>Did the Contractor, it's Officers, or Directors Ever Receive any Notices by the Relevant Regulatory Body or Other Enforcing Authority or Been Prosecuted Under any Health, Safety or Environmental Legislation in the past 5 Years, or is any such action pending?:</b> _____				
Only authorised vehicles should be used to remove waste from any PM Group managed site for direct transport to an appropriately licensed facility.)				
<b>What Company Removes your Waste From Site?</b> _____				
<b>A FULL copy of the Waste Collection Permit MUST be provided to Main Contractor</b>				
<b>At What Waste Facility is your Waste Processed?</b> _____				
<b>A FULL copy of the Waste Facility Permit / Licence MUST be provided to the Main Contractor</b>				
<b>Name:</b> _____	<b>Signed:</b> _____		<b>Date:</b> _____	

