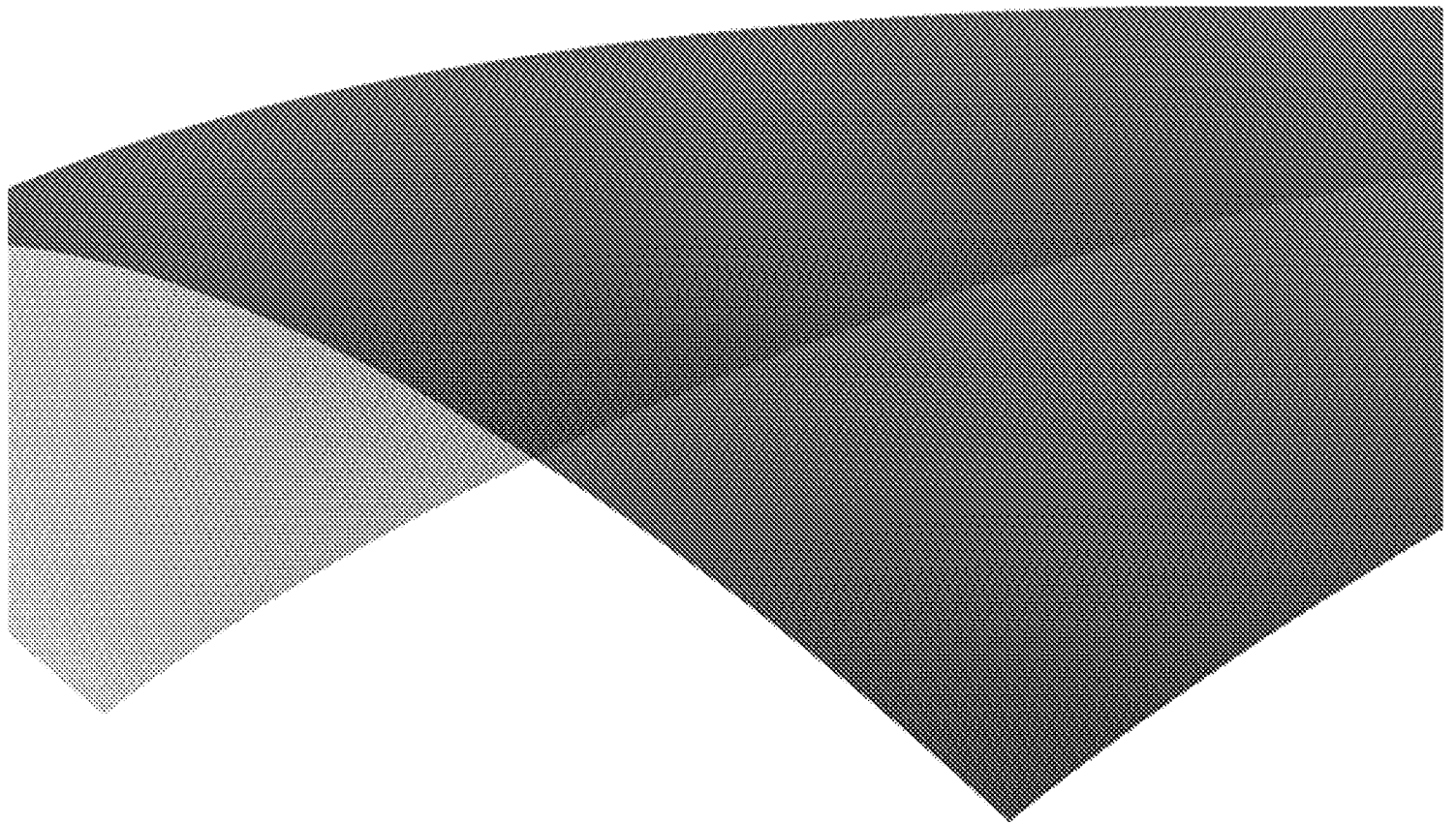


PrS-064 PROJECT ENVIRONMENTAL PLAN



Project Name Yapton Road, Barnham

Contract Number 502004

Project Leader Mick Hopper

Approved By Lee Bushell

Date Approved ...

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1. Record of On-going Reviews

This PEP can be reviewed as often as is necessary to include the significant changes in equipment, risk, and scope of works, circumstances, people or other organisational change, however, review periods will not exceed monthly.

[illegible]

2. Issue Register

Each sub-contractor will be issued a copy of this PEP to ensure that the contents of the plan, relevant to their works, are included in their project specific Risk Assessment(s) and Method Statement(s) (RAMS) and communicated to their management, supervisors and employees as is appropriate.

[illegible]

3. PEP Briefing Confirmation

The Project Lead will ensure that the contents of this PEP are communicated to all Wates employees working on the Project.

The persons listed below have been briefed on the main content of this PEP and have signed to confirm that it is understood (insert or delete positions as necessary);

Name	Position	Signature
Richard Marville	Construction Manager	
Mick Hopper	Project Manager	
Enter name	Section Manager	
Abu Harun	Site Manager	
Lee Bushell	Operations Manager	
Paul Fitzgerald	Project Manager (MEP)	
Enter name	Site Manager (MEP)	
James Burnett	Project Surveyor	
Enter name	Site Surveyor (MEP)	
Mark Weilbelove	Design Manager	
Rob Chiles	Project/Senior Planner	
Enter name	Project/Site Engineer	
Enter name	Appointed Person (Lifting)	
Enter name	Appointed Person (Electrical)	
Enter name	Enter role	
Enter name	Enter role	
Enter name	Enter role	
Enter name	Enter role	

4. Introduction to the Project Environmental Plan (PEP)

This PEP has been developed in accordance with all identified local planning conditions, environmental requirements, performance targets and objectives and any client specific requirements for the Project. The purpose of the plan is to outline the Wates procedures for the management and reduction of adverse impacts from the current project phase on the environment.

This plan is intended to provide the focus for the management and co-ordination of environmental issues as the project evolves. Therefore, the plan will be developed or amended considering changing circumstances and standards achieved on site or as work progresses. Review of parts of the plan will also be made if there are design changes, alterations or unforeseen circumstances or if variations to planned events arise, any such changes will be documented in section 1, Record of On-going Reviews.

5. Accountabilities

The Project Lead will ensure that the PEP is fully complete, reviewed and suitable prior to works commencing on site

It is the responsibility of the Project Lead to ensure that all Wates Project Team members are aware of the role they are to play in the project environmental responsibilities, including identifying of one or more environmental co-ordinators responsible for the management of this plan. (Refer to WPS-Prs-21 Sustainability Requirements for Environmental Coordinators Responsibilities)

6. Project Directory

Role	Contact Name	Telephone
Construction Manager	Richard Manville	079 10000007
Project Leader	Mick Hopper	
SHE Advisor / Manager	Martin Glover	
Environment / Sustainability Manager	Cara Palmer	
Standards Advisor	Sarah Rann	
Emergency Response 24/7 (Environment)	Acumen	
Environment Agency (EA)	National Information Line National Emergency Line	
Natural Resources Wales (NRW)	National Information Line National Emergency Line	
Scottish Environment Agency (SEPA)	National Information Line National Emergency Line	
Local Authority	Arun District Council	
UK Monitoring	Reference No:	
Statutory Nature Conservation Organisations (SNCO)	Natural England	
Other (Specify)	Enter name	

7. Project Environmental Objectives & Targets

To assist the Wates Project Team with the promotion of environmental issues on site, the Project Lead has established the environmental objectives and targets for this Project and will allocate responsibilities and action deadlines for each of the objectives. All targets will as a minimum reflect Group environmental targets (discuss with SHE Advisor to ensure targets are linked).

All sub-contractors will demonstrate their commitment to achieving the targets set for the project, by co-operating with Wates Project Team in implementing this PEP and associated procedural requirements. Del-314 SCPS - Environmental Rules is representative of the minimum standards that are required by the Wates Project Team from the sub-contractor(s) and details the duty of care that is necessary to protect against damage or injury to people and property

Project Objectives and Targets			
Considerate Constructors Scheme (CCS)			
Target		Actual	
Enter No.		Enter No.	
Environmental Incidents			
Target		Actual	
Enter No.		Enter No.	
Construction Waste			
Waste Production (t/100m ²)		Diversion from Landfill (%)	
Target (t/100m ²)	Actual (t/100m ²)	Target (%)	Actual (%)
Enter No.	Enter No.	Enter No.	Enter No.
Energy & Carbon			
Energy (kWh)		Carbon (CO ₂)	
Target (kWh)	Actual (kWh)	Target (CO ₂)	Actual (CO ₂)
Enter No.	Enter No.	Enter No.	Enter No.
Water consumption (m ³)		Certified Timber (%)	
Target (m ³)	Actual (m ³)	Target (%)	Actual (%)
Enter No.	Enter No.	Enter No.	Enter No.
Client Specific Targets / Objectives			
<i>Enter aspect e.g. BREEAM, CISH etc..</i>		<i>Enter aspect e.g. BREEAM, CISH etc.</i>	
Target	Actual	Target	Actual
Enter No.	Enter No.	Enter No.	Enter No.

Enter details of any client-specific targets to be implemented.

8. Project Environmental Compliance Requirements/Obligations

Prs-090 Environmental Consents Checklists will be used to determine necessary permits, licences and consents required to comply with regulatory requirements. Permits, licenses, consents and exemptions applicable to the project are detailed below. Actions to mitigate risk of non-compliance (e.g. specific monitoring and testing requirements) are detailed in the Project Environmental Aspects Register (Schedule A) as applicable.

Planning Restrictions. (Including Local Authority / Environment Agency Restrictions) (delete as appropriate)	List Known Consent Details or Action to be Taken to Ascertain Them
<i>e.g. Section 61 Agreement, Protected Species, Discharge Consents, Archaeology & Heritage, Reusing Materials Arising on Site, Hazardous Waste Premises Registration (Wales only), Carrying out works to Protected Trees, Working in or near Main Watercourses etc.</i>	This area is to be completed
Other (Specify)	Enter details

9. Site Waste Management Plan

A Site Waste Management Plan has been developed for the project and is designed to assist the Wates Project Team to ensure that materials and waste streams are identified, dealt with appropriately and documented accordingly. The SWMP will be reviewed and updated monthly to ensure that issues are considered at the appropriate juncture and that it reflects actual arrangements. The form used as SWMP is *(please complete below)*:

☐	The Prs-065 Site Waste Management Plan (SWMP)	
☐	Client Specified SWMP	Enter details / reference

WPS-Del-20 Management of Waste establishes the arrangements in place to comply waste management requirements associated with the project and details how waste minimisation will be actively promoted.

10. Emergency Preparedness and Response

The project will complete a PrS-002F Emergency Preparedness and Response Plan prior to any work commencing and utilise Weekly Del-064 Emergency Plan Inspection Report for associated inspections.

All environmental accidents, incidents, and near misses will be recorded on AIRSWEB and will be reported to the relevant Regulatory Authority.

WPS-Ctl-07-Environmental Emergency Response details the arrangements that will be implemented following any environmental incident.

WPS-Gov-08 Accident and Incident details the arrangements that will be put in place to ensure all accidents and incidents are recorded and investigated.

11. Environmental Arrangements Monitoring and Review

Wates Project Team will proactively monitor tasks / activities in compliance with WPS-Del-22 Audit, Monitoring and Review to check controls are adequate and instigate improvements if required.

Del-065 Monthly Site Environmental Checklist will be used to review environmental arrangements on site. The checklist will be tailored according to significant environmental aspects and associated impacts and controls identified on the Environmental Aspects Register (Schedule A).

Other monitoring and review activities of practices including environmental compliance checks are:

- Del-063 Weekly Site iMS - undertaken by a member of the project team to ensure risks are managed as planned
- Del-025 Monthly iMS, recorded on Airsweb and undertaken by the visiting construction manager (or equivalent)
- Del-026 Visiting Managers Report –undertaken by any manager from any business - a constructive and critical review of our project with an emphasis on engagement with operatives and supervisors on the project

12. Identification of Significant Aspects & Associated Impacts

Following the requirements of WPS-Prs-21 Sustainability Requirements all construction activities will be reviewed and assessed to identify the significant aspects and associated impacts specific to the project and formalising required environmental objectives and controls.

This will be carried out by completing the **Project Environment Aspects' Register** included in Schedule A which covers the following:

0. How to complete the Environmental Aspects Register
1. Minimising the risk of pollution of land, air and water
2. Minimising nuisance to neighbours (Noise, dust, light, litter, etc.)
3. Minimising and managing waste on site
4. Protecting wildlife and biodiversity
5. Responsible use of materials
6. General management of the site

Schedule A – Environmental Aspects Register

Part 0 – How to complete the Environmental Aspects Register

- Evaluate risk for each environmental aspect applicable to your site using the criteria below
- Add in other project-specific risks (if not covered) where they fit best in Parts 1 to 6.
- Establish suitable controls for all risks assessed as medium/high.
- Identify opportunities arising from the environmental controls.
- Make sure the controls you decide upon which are to be applied by S/C are included in relevant sub-contractor tender documents i.e. SCPS and Plan Right.
- Use this Aspects Register and control requirements to customise the Site Environmental Checklist (Del-065) to make it a useful site tool.
- “GE700” refers to “GE700 Construction Site Safety - Part E Environment”

Evaluation of risk (refer below)

Risk Severity	Likelihood		
	LOW It has not happened for a long time, is known to be infrequent and is not likely to happen.	MEDIUM It may be less regular, but is still recognised as being likely to happen.	HIGH It may happen regularly or it could be a usual or common occurrence.
Low There would be minor injuries to persons or some slight damage to property. Environmental impact resulting in minimal environmental damage in both the short- and long-term.	Low	Low	Medium
Medium It would probably cause serious injuries, or persons would be off work for over seven days due to their injuries / substantial property damage. Environmental impact resulting in damage contained within site boundaries but requiring prompt remedial action, e.g. Fuel spillages.	Low	Medium	High
High The result could be a fatal accident or multiple injuries / major property damage. Significant environmental impact resulting in off-site damage or long term environmental issue, e.g. Pollution of watercourse, contamination of land etc.	Medium	High	High

- Aim – reduce the risk to low if possible.
- List the hazards associated with an activity, estimate (L, M, H) the potential severity of the hazard (*refer to definitions in ‘severity’ column*) then estimate (L, M, H) the likelihood of it occurring (*refer to definitions in ‘Likelihood’ row*). Do this before and after controls are identified.
- Results:
- Combined risk = LOW: the activity does not require further management attention beyond the standard ‘good practice’ controls included in the Construction Phase Plan (CPP), site rules and relevant procedures / guidance.
 - Combined risk = MEDIUM: the activity could be significant and management control is important. Manage through Risk Assessments and Method Statements (RAMS) and or other management plans or procedures specific to the project. Additional training or resources may be required.
 - Combined risk = HIGH: deemed to be significant and senior management control is of a high priority. Consider design changes. Best Practice measures will be adopted. Manage through RAMS and or other management plans or procedures / instructions specific to the activity plus specialist knowledge and planning. Note that higher risks may incur additional costs and require greater levels of resource to control.

Environmental Aspect	Who / What might be harmed? Employees Sub-Contractors Public Others Environment	Environmental Impact	Significance (Before Controls)			What controls are required? (Reference to Site Controls or RAMS)	Significance (After Controls in Place)			Action by	Opportunity e.g. - Enhanced wildlife habitat - Enhanced business reputation and ability to prequalify for contracts - Improved business reputation and increased attractiveness to skilled and talented employees - Increased operational efficiency - Operational cost Savings - Business differentiator - Adding value and direct benefit to communities - Leaving a legacy in communities
			Severity	Likelihood	Risk		Severity	Likelihood	Risk		
Part 1 – Minimising the risk of pollution of land, air and water (GE700 E05)											
A watercourse runs through or immediately adjacent to the site, or the site overlies an aquifer used for water supply	Environment Public Wildlife	Contamination entering the watercourse or groundwater because of site activities. Ingestion of contaminated water by people (boreholes, water abstraction) and wildlife.	M	L	H	- Ensure storage/ activity to this sensitive area is avoided - Display signage to identify area - Place physical barriers (hoarding/ fencing) to prevent access to the specific area	L	L	L	MH	- Enhanced business reputation - Respect for community and environment - Follow the company core values
Mains drainage offsite is via separate foul and surface water systems rather than combined sewer	Environment Wildlife	Contamination and foul effluent entering surface water systems and discharging directly to watercourses etc, rather than being treated at a sewage treatment plant	H	L	H	- Establish separate foul and surface water systems from site mobilisation stage - Foul site welfare is to be taken into permanent foul drainage - Regular road sweepers will be used to ensure control of muck from site vehicles is kept to a minimum	L	L	L	MH	- Respect for community - Adherence to common construction practice - Respect for local physical surroundings - Enhanced business reputation
Works are required on or over a watercourse or floodplain, or within 10m of the top of banks or flood defences	Environment Wildlife	Loss of materials including silt and cement fines into the watercourse during the works	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Fuel, oil and/or chemicals will be stored and/or used on site	Environment	Spillage of hazardous materials onto the ground or drainage systems due to accidents or container failure	H	M	H	- COSHH assessments which are to include storage and handling instructions (as part of RAMS) - COSHH Items to be stored in lockable stores and signed up adequately - Spill kits to be available - Spill kit trained	L	L	L	MH	- Enhanced wildlife habitats - Enhanced business reputation and ability to prequalify for contracts - Respect for environment - Abide by Wates core values

Environmental Aspect	Who / What might be harmed? Employees Sub-Contractors Public Others Environment	Environmental Impact	Significance (Before Controls)			What controls are required? (Reference to Site Controls or RAMS)	Significance (After Controls in Place)			Action by	Opportunity <i>e.g.</i> - Enhanced wildlife habitat - Enhanced business reputation and ability to prequalify for contracts - Improved business reputation and increased attractiveness to skilled and talented employees - Increased operational efficiency - Operational cost Savings - Business differentiator - Adding value and direct benefit to communities - Leaving a legacy in communities
			Severity	Likelihood	Risk		Severity	Likelihood	Risk		
						individuals to be in place on site - Bunded stores for COSHH items to be used - Weekly and daily plant and materials checks					
Plant and/or machinery will be used and/or refuelled on site	Environment	Spillage of hazardous materials onto the ground or drainage systems due to poor refuelling practices	M	M	M	- Designated refuelling areas on site - Spill kits readily available either with plant or at the least within the refuelling area - Trained and competent operatives to refuel	L	L	L	MH	- Enhanced wildlife habitats - Enhanced business reputation and ability to prequalify for contracts - Respect for environment - Abide by Wates core values
The site may generate excessive silt or mud that may flow into watercourses or surface water drainage under both normal and/or flash storm conditions	Environment	Site run-off from a sloping site to a watercourse during heavy ran conditions	L	M	L	- Use of site wheel wash - Road sweeper to be used - Daily monitoring of internal and external site road conditions and appearance - Bund type provisions are to be placed/ built appropriately around drains etc - Cover over gullies to protect from pollution	L	L	L	MH	- Enhanced wildlife habitats - Enhanced business reputation and ability to prequalify for contracts - Respect for environment - Abide by Wates core values
The site access arrangements are likely to lead to mud on roads	Environment	Mud on roads being washed into road gulleys	L	M	L	- Use of site wheel wash - Road sweeper to be used - Daily monitoring of internal and external site road conditions and appearance	L	L	L	MH	- Enhanced wildlife habitats - Enhanced business reputation and ability to prequalify for contracts - Respect for environment - Abide by Wates core values
Silt from the site may flow onto neighbouring land under heavy rainfall	Environment	Discharge of silty water from site	.	.	.	Not applicable	.	.	.	Initials	Not applicable

Environmental Aspect	Who / What might be harmed? Employees Sub-Contractors Public Others Environment	Environmental Impact	Significance (Before Controls)			What controls are required? (Reference to Site Controls or RAMS)	Significance (After Controls in Place)			Action by	Opportunity <i>e.g.</i> • Enhanced wildlife habitat • Enhanced business reputation and ability to prequalify for contracts • Improved business reputation and increased attractiveness to skilled and talented employees • Increased operational efficiency • Operational cost Savings • Business differentiator • Adding value and direct benefit to communities • Leaving a legacy in communities
			Severity	Likelihood	Risk		Severity	Likelihood	Risk		
Excess clean water must be discharged off-site (dewatering etc)	Environment	Potential downstream flood risk if discharged at excessive rates during wet weather	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Contaminated or polluted water will have to be discharged off site (from existing contaminated land, wheel-washes etc)	Environment	Inadequately treated waste water entering the wider environment by discharging incorrectly causing potential harm to watercourses, flooding etc	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Concreting equipment, mixers or delivery wagons will washout on site	Environment Wildlife	Loss of cementitious washout water into watercourses, blockage of pipes and sewers	M	L	L	- Concrete/ rubble skips to be kept on site - Designated and protected washout areas to be available on site - Dry washout residue to be placed in skips	L	L	L	MH	- Enhanced wildlife habitats - Enhanced business reputation and ability to prequalify for contracts - Respect for environment - Abide by Wates core values
Ozone depleting substances (ODS) are present on site (e.g. in existing composite cladding panels or in refrigerant systems)	Environment Air quality	Uncontrolled crushing of panels, or opening of refrigerant systems can release ODS to atmosphere	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Operations are required that may lead to excessive smoke or fumes	Environment Air quality Workforce Public Wildlife	Smoke & fumes causing nuisance or health hazards to people and wildlife on or off the site	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Ground stabilisation using cement or lime is required (contamination of open water by wind-blown dust)	Environment Water qual.	Loss of powder components in windy weather causing dust pollution of the air and potential ground / water pollution on settling	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Herbicide treatment in or near watercourses is required	Environment Water qual.	Incorrect dosing could pollute watercourses and lead to harm to other organisms	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Enter details of others	Enter details	Enter details	.	.	.	.	.	.	.	Initials	Enter opportunity
Enter details of others	Enter details	Enter details	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Part 2 – Minimising nuisance to neighbours (Noise, dust, light, litter, etc) (GE700 E06)											
Residential properties about the site	Neighbours	Nuisance generally - noise, dust, light & litter Risk of complaints mainly from night-time working Complaints to EHO - Section 60 Notices	M	L	L	- Understand client constraints and conditions - Identify and challenge s/c works that will cause noise, dust and litter pollution - Carry out weekly IMS audits	L	L	L	MH	- Enhanced wildlife habitats - Enhanced business reputation and ability to prequalify for contracts - Respect for environment - Abide by Wates core values

Environmental Aspect	Who / What might be harmed? Employees Sub-Contractors Public Others Environment	Environmental Impact	Significance (Before Controls)			What controls are required? (Reference to Site Controls or RAMS)	Significance (After Controls in Place)			Action by	Opportunity <i>e.g.</i> - Enhanced wildlife habitat - Enhanced business reputation and ability to prequalify for contracts - Improved business reputation and increased attractiveness to skilled and talented employees - Increased operational efficiency - Operational cost Savings - Business differentiator - Adding value and direct benefit to communities - Leaving a legacy in communities
			Severity	Likelihood	Risk		Severity	Likelihood	Risk		
						- Carry out Site Environmental checklist monthly (atleast, more if required)					
Commercial properties about the site	Neighbours	Nuisance generally - noise, dust, light & litter Risk of complaints mainly from day-time working Disruption of normal commercial activity Complaints to EHO - Section 60 Notices	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Noisy works will be required during normal working hours	Neighbours Wildlife	Disturbance of sensitive sites (schools, hospitals, places of worship) Disturbance of night-shift workers Disturbance of wildlife Complaints to EHO - Section 60 Notices	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Noisy works will be required outside normal working hours (e.g. power floating large pours, deliveries requiring road closures)	Neighbours Wildlife	Disturbance of neighbours Complaints to EHO - Section 60 Notices	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Site conditions or activities will lead to excessive dust (e.g. open dry sites, demolitions works, crushing of materials on site)	Neighbours Wildlife	Dust nuisance to neighbours & wildlife Complaints to EHO - Section 60 Notices Disturbance from dust (nuisance) Disruption of normal activities from dust Contamination of goods & materials from dust Contamination of open water from dust Exposure to asbestos and other hazardous substances (Harm) Contamination of the surrounding environment	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Security lighting may disturb neighbours or wildlife	Neighbours Wildlife	Light shining into adjacent bedrooms at night. Disturbance of wildlife Complaints to EHO - Section 60 Notices	L	L	L	- Identify acceptable sight lines of lighting etc - Understand client neighbours and wildlife constraints and conditions	L	L	L	MH	- Enhanced wildlife habitats - Enhanced business reputation and ability to prequalify for contracts - Respect for environment - Abide by Wates core values
Lightweight waste and litter may blow off the site	Neighbours	Wind-blown litter from skips Wind-blown litter from site activities	L	L	L	- Maintain a clean and respectable site at all times - Skips to be segregated in a designated waste area - Weekly site IMS to be carried out - End of day checklists to be completed - Daily litter pick by logistics company	L	L	L	MH	- Enhanced wildlife habitats - Enhanced business reputation and ability to prequalify for contracts - Respect for environment - Abide by Wates core values
Vibration from activities may damage adjacent buildings or affect neighbours and wildlife (e.g. piling, vibro-compaction, use of heavy plant)	Neighbours Structures	Piling operations Demolition operations Heavy traffic or plant on site Groundworks / compaction operations	.	.	.	Not applicable	.	.	.	Initials	Not applicable

Environmental Aspect	Who / What might be harmed? Employees Sub-Contractors Public Others Environment	Environmental Impact	Significance (Before Controls)			What controls are required? (Reference to Site Controls or RAMS)	Significance (After Controls in Place)			Action by	Opportunity <i>e.g.</i> • Enhanced wildlife habitat • Enhanced business reputation and ability to prequalify for contracts • Improved business reputation and increased attractiveness to skilled and talented employees • Increased operational efficiency • Operational cost Savings • Business differentiator • Adding value and direct benefit to communities • Leaving a legacy in communities
			Severity	Likelihood	Risk		Severity	Likelihood	Risk		
Enter details of others	Enter details	Enter details	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Enter details of others	Enter details	Enter details	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Part 3 – Minimising and managing waste on site (GE700 E03)											
Waste will be removed by a Wates preferred supplier only (Wates control)	Environment	Disposal of waste materials in locations not suitable or licensed to receive them Waste may escape and cause pollution Inaccurate description may lead to the waste being disposed of at unsuitable locations	M	L	M	- Only get a Wates approved waste supplier - Monitor monthly waste recycling figures - Ensure landfill targets are maintained and absolutely avoided if possible - Monitor logistics companies recording and reporting figures and systems - Ensure local companies and disposal locations are used	L	L	L	MH	- Enhanced wildlife habitats - Enhanced business reputation and ability to prequalify for contracts - Respect for environment - Abide by Wates core values - Increased operational efficiency - Adding value and direct benefit to communities
Waste will be managed by a Wates preferred logistics company	Environment	All the above plus: Inadequate control of waste disposal Lack of engagement with SWMP Removal of incentives to reduce waste Split responsibility where other sub-contractors also remove waste Lack of transparency on waste costs	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Waste will be removed by sub-contractors as part of their work package	Environment	All the above plus: Lack of control of eventual disposal Fly-tipping (environmental & social harm) Lack of documentation Technical breaches – licensing, WTNs etc	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Hazardous waste will be produced on site (refer to COSHH Assessment for waste classification)	Environment	Hazardous waste is disposed of in a landfill not engineered to contain it Hazardous waste contaminates an otherwise recyclable or recoverable waste stream Hazardous waste is incinerated at too low a temperature to degrade its hazardous content. Disposal of waste at inappropriate site	M	L	M	- Hazardous waste to be removed by a licensed and competent contractor - Hazardous materials will be engineered out where practicably possible during design stages - Water based paints to be	.	.	.	Initials	Enter opportunity

Environmental Aspect	Who / What might be harmed? Employees Sub-Contractors Public Others Environment	Environmental Impact	Significance (Before Controls)			What controls are required? (Reference to Site Controls or RAMS)	Significance (After Controls in Place)			Action by	Opportunity <i>e.g.</i> - Enhanced wildlife habitat - Enhanced business reputation and ability to prequalify for contracts - Improved business reputation and increased attractiveness to skilled and talented employees - Increased operational efficiency - Operational cost Savings - Business differentiator - Adding value and direct benefit to communities - Leaving a legacy in communities
			Severity	Likelihood	Risk		Severity	Likelihood	Risk		
						used					
Japanese knotweed, etc and infested soil will be disturbed as part of the works	Environment	Invasive plants may be inadvertently spread	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Contaminated land will be disturbed as part of the works	Environment	Disposal of contaminated soils may contaminate other land Potential human or environmental exposure to hazardous substances (Harm)	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Electrical waste (WEEE waste) will be produced on site	Environment	Electronic and electrical good are not recycled Loss of materials value (Rare earths, etc) Potential pollution from components	.	.	.	Not applicable	.	.	.	Initials	Not applicable
Plasterboard waste will be produced on site	Environment	Mixing of plasterboard & putrescible waste in landfills leading to gas generation	M	L	M	- Plasterboard waste will be kept separate - Plasterboard waste will be designed put where reasonably practicable - Plasterboard chipper will be used by drylining contractor to ensure minimal waste is produced - Excess useable offcuts are to be donated to a local technical college	L	L	L	MH	- Enhanced wildlife habitats - Enhanced business reputation and ability to prequalify for contracts - Respect for environment - Abide by Wates core values - Increased operational efficiency - Adding value and direct benefit to communities
Existing materials on site will be treated (by crushing, chipping or screening) on site or elsewhere to prepare them for reuse on site or elsewhere	Environment	Use might be inappropriate or illegal	L	L	L	Not applicable	L	L	L	Initials	Not applicable
Surplus uncontaminated soil and topsoil will be removed from site for use elsewhere (ie as an alternative to landfilling surplus soil)	Environment	Use might be inappropriate or illegal	L	L	L	- Ground conditions report to be completed by Guerry South - Understand the findings of the report and progress accordingly (remove soil in the correct manner or re-use the soil to make up levels in landscaped areas)	L	L	L	MH	- Enhanced wildlife habitats - Enhanced business reputation and ability to prequalify for contracts - Respect for environment - Abide by Wates core values - Increased operational efficiency - Adding value and direct benefit to communities
Existing materials will be recovered for reuse in the works, or for sale (reclaiming of bricks, slates, timbers, frames, fixtures, fittings, etc)	Environment	Non-recovery of reusable materials Non-recovery of recyclable materials Disposal at landfill	.	.	.	Not applicable	.	.	.	Not applicable	Enter opportunity
Pallets or other transport stillages will be left on site and skipped	Environment	Materials that could be reused will be scrapped	L	M	M	Pallets are to be reused where possible	L	L	L	MH	- Enhanced wildlife habitats - Enhanced business reputation and

Environmental Aspect	Who / What might be harmed? Employees Sub-Contractors Public Others Environment	Environmental Impact	Significance (Before Controls)			What controls are required? (Reference to Site Controls or RAMS)	Significance (After Controls in Place)			Action by	Opportunity <i>e.g.</i> - Enhanced wildlife habitat - Enhanced business reputation and ability to prequalify for contracts - Improved business reputation and increased attractiveness to skilled and talented employees - Increased operational efficiency - Operational cost Savings - Business differentiator - Adding value and direct benefit to communities - Leaving a legacy in communities
			Severity	Likelihood	Risk		Severity	Likelihood	Risk		
						- Excess pallets are to be sold to or collected by a pallet collection company - Pallets that are part of “supplier buy back” schemes are to be followed (eg. Brickwork)					- ability to prequalify for contracts - Respect for environment - Abide by Wates core values - Increased operational efficiency - Adding value and direct benefit to communities
Excessive quantities of paper, card and plastic packaging will be generated on site	Environment	Reducing packaging may lead to more damaged products, increasing waste Poor handling & storage of stripped packaging could reduce value for recycling Excessive litter	L	M	M	- Ensure packaging is specified where needed to protect products and finished items - Waste and Logistics contractor to ensure constant is maintained - Waste and Logistics contractor to challenge unnecessary waste	L	L	L	MH	- Operational cost savings - Actively minimising waste and CO2 emissions - Achieve Wates and Client waste targets
Excessive temporary protection will be used	Environment	Inefficient use of materials	L	L	L	- Controlled premil spending - Designated PM and PS control and sign off of all prelim spending - Agree temporary protection prior to placing orders and try to build into s/c orders	L	L	L	MH	- Operational cost savings - Actively minimising waste production and need to recycle/ pollute
Useful materials will be skipped	Environment	Inefficient use of materials	L	L	L	- Site production team to monitor waste with Waste and Logistics contractor to ensure useful materials do not get skipped - Designated and limited materials storage - JIT delivery procedure to create a culture so as not	L	L	L	MH	- Operational cost savings - Actively minimising waste and CO2 emissions - Achieve Wates and Client waste targets

Environmental Aspect	Who / What might be harmed? Employees Sub-Contractors Public Others Environment	Environmental Impact	Significance (Before Controls)			What controls are required? (Reference to Site Controls or RAMS)	Significance (After Controls in Place)			Action by	Opportunity <i>e.g.</i> - Enhanced wildlife habitat - Enhanced business reputation and ability to prequalify for contracts - Improved business reputation and increased attractiveness to skilled and talented employees - Increased operational efficiency - Operational cost Savings - Business differentiator - Adding value and direct benefit to communities - Leaving a legacy in communities
			Severity	Likelihood	Risk		Severity	Likelihood	Risk		
						to waste and work efficiently - Donate excess good materials to a technical college (should such material issues arise)					
Offcuts of manufacturer-recyclable materials will be generated on site	Environment	Offcuts will be skipped instead of recycled	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Surplus project-specific materials and equipment may be left over at the end of the project (ie not suitable for use elsewhere)	Environment	Inefficient use of materials	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Materials are from distant locations or subject to long lead-ins	Environment	Materials will be over-ordered "just in case" and any surplus scrapped at the end of the job	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Off-site consolidation centres will be used.	Environment	Lack of transparency of materials stocks Difficult to return unused materials to stockpiles	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Enter details of others	Enter details	Enter details	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Enter details of others	Enter details	Enter details	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Part 4 – Protecting wildlife, biodiversity & archaeology (GE700 E07 E09)											
Protected species are present, or may be present, on site	Environment	Protected species may be disturbed or harmed	.	.	.	n/a	.	.	.	Initials	Enter opportunity
Invasive species are present, or may be present, on site	Environment	Invasive plants may be inadvertently spread through relocation of infested soil, regrowth from viable fragments, or transportation by water of riverbank and aquatic species	.	.	.	n/a	.	.	.	Initials	Enter opportunity
Birds may nest on site during the programmed works	Environment	Nesting birds may be disturbed causing them to abandon their nests	.	.	.	n/a	.	.	.	Initials	Enter opportunity
Trees (including TPO trees) & hedgerows may be affected by the works	Environment	Potential damage to trees Potential damage to visual / natural environment Loss of habitat Disturbance of protected species	.	.	.	n/a	.	.	.	Initials	Enter opportunity
Active badger setts occur on, or within 30m, of site boundaries	Environment	Disturbance of badgers or destruction of setts	.	.	.	n/a	.	.	.	Initials	Enter opportunity
Historic (Listed or otherwise protected) structures or other archaeological remains known or suspected or potentially affected by the planned work	Environment	Disturbance of archaeological or historic works	.	.	.	n/a	.	.	.	Initials	Enter opportunity
SSI, SSSI, Nature Reserves, or other sensitive wildlife sites occur within 500m of site boundaries	Environment	Disturbance of sensitive species, or changes to habitat conditions	.	.	.	n/a	.	.	.	Initials	Enter opportunity
Wildlife sensitive to noise, dust or vibration occur on or immediately adjacent to the site (e.g. nesting birds, roosting bats, sensitive aquatic environments)	Environment	Piling operations Demolition operations Heavy traffic or plant on site Groundworks / compaction operations	.	.	.	n/a	.	.	.	Initials	Enter opportunity

Environmental Aspect	Who / What might be harmed? Employees Sub-Contractors Public Others Environment	Environmental Impact	Significance (Before Controls)			What controls are required? (Reference to Site Controls or RAMS)	Significance (After Controls in Place)			Action by	Opportunity <i>e.g.</i> - Enhanced wildlife habitat - Enhanced business reputation and ability to prequalify for contracts - Improved business reputation and increased attractiveness to skilled and talented employees - Increased operational efficiency - Operational cost Savings - Business differentiator - Adding value and direct benefit to communities - Leaving a legacy in communities
			Severity	Likelihood	Risk		Severity	Likelihood	Risk		
Enter details of others	Enter details	Enter details	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Enter details of others	Enter details	Enter details	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Enter details of others	Enter details	Enter details	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity

Part 5 – Responsible use of materials (GE700 E02)											
Timber will be used on site	Environment	Risk of using non-sustainable timber on site	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Timber, or products containing wood products (incl wood pulp) will be imported from outside the EU for use on site (Timber Regs 2013)	Environment	Risk of using illegally harvested timber within the EU	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Enter details of others	Enter details	Enter details	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Enter details of others	Enter details	Enter details	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Part 6 – General management of the site (GE700 E01, E04)											
Provision of fuel, gas, energy and other power on site (compound and site)	Environment	Depletion of non-renewable resources Waste of electricity or fuel through carelessness	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Provision of water on site (compound and site)	Environment	Depletion of resources, especially under drought conditions Waste of water through leaks etc Abstraction rates may exceed permitted levels.	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Provision of consumables in compound (office use, welfare use)	Environment Employees	Consumption of resources Waste generation	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Provision of site accommodation	Environment Employees	Inefficient units Carelessness and waste Damage, faults and breakdowns	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Provision of site hoardings and security	Environment Employees	Use of single use systems Reuse of multi-use systems Renewability / reusability of system components Recyclability of system components Consumption of resources Waste generation	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Staff & sub-contractor travel	Environment Employees	Single occupancy vehicles Unnecessary meetings / journeys Virtual communication	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Enter details of others	Enter details	Enter details	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity
Enter details of others	Enter details	Enter details	.	.	.	Enter controls	.	.	.	Initials	Enter opportunity