

APPENDIX A: Grainger Key Performance Indicators

1. GRAINGER KEY PERFORMANCE INDICATORS

- 1.1 Grainger have indicated the following Key Performance Indicators which they wish to be examined as part of the enabling works:
- Percentage of construction waste by destination (recycled, landfilled, reused).
 - Proportion of recycled materials in new developments.
 - Water consumption at construction sites (litres)
 - Litres of diesel used on development sites
 - Percentage of major sites registered with Considerate Constructors Scheme. (Benchmark: Achieve registration at all major sites).
 - Considerate Constructors Scheme score of registered sites. (Benchmark: Aspire to 32)
- 1.2 The percentage of construction waste by destination and the proportion of recycled materials used will be recorded within the Contractors Detailed CEMP on at least a fortnightly basis.
- 1.3 Water and diesel consumption will be continuously monitored on site and will be recorded within the Contractors Detailed CEMP on at least a fortnightly basis.
- 1.4 The site will be registered with the Considerate Constructors Scheme and will be assessed by an independent CCS examiner.

APPENDIX B: Environmental Risk Assessment

Environmental Risk Assessment Form

Site Address:

Southern Primary School Substation
 Berewood
 Waterlooville

Completed by:

Rebecca Kingston / Andrea Hughes – Southern Primary School Substation -
 Construction Environmental Management Plan Authors
 Based upon the findings of the mitigation matrix (Table 5.1 and 5.2 of Southern
 Primary School – Substation CEMP)

Hazards	
<ol style="list-style-type: none"> 1. Death or disturbance of in-situ sheltering fauna including breeding birds; 2. Lighting impacts upon bats and other nocturnal species and adjacent residents; 3. Creation of dust impacting on-site and off-site personnel and flora and fauna; 4. Noise impacts upon on-site and off-site personnel and site fauna; and 5. Pollution impacts to adjacent drains and streams, on-site off-site flora and fauna; local residents via run off and/or migration of liquids from storage areas; and 6. Damage to adjacent trees, woodlands and or SINC 7. Loss or damage to topsoils and subsoils 	
Those at risk	Foraging badgers, bats and breeding/wintering birds, reptiles and SINC. On site-personnel. Off site adjacent walkers.

Current control measures
<ol style="list-style-type: none"> 1. Adherence to mitigations 2, 3 and 5 within CEMP Table 5.2 – see Method Statement no. 1; 2. Adherence to mitigation 4 within CEMP Table 5.2 and Appendix A5– see Method Statement no. 2; 3. Adherence to mitigations 1, 6, 7, 8, 9, 10, 11, 12, 13, 22, 23, 24 and 25 within CEMP Table 5.2 – see Method Statement no. 3 4. Adherence to mitigations 1, 13, 14, 15, 16 and 17 within CEMP Table 5.2 – see Method Statement no. 4 5. Adherence to mitigations 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34 and 35 within CEMP Table 5.2 – see Method Statement no. 5 6. Adherence to mitigation 36 in CEMP Table 5.2 and requirement for consultation with project arboriculturalists to establish appropriate protections and compound distances prior to works commencing. 7. Adherence to mitigations 37 and 38 in CEMP Table 5.2 <p>In addition.</p> <ul style="list-style-type: none"> • Weekly review of programme by Contractors Site Manager /Environmental Manager to identify any amendments required to existing mitigations; • Regular environmental tool-box talks to site operatives; • Weekly inspections by Contractors Environmental Manager or Appointed Person to ensure all mitigations are in place and active.

Southern Primary School Substation, Berewood Waterloooville
Environmental Risk Assessment: April 2024

With these controls the risk is (highlight)	Unacceptable	Further controls required	Adequately controlled
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Further control measures required List further action needed to adequately control risks
None required

Date	16/04/24				
Initial	AH				

Use a new box each time this assessment is reviewed

APPENDIX C: Environmental Method Statements

Method Statement 1

Control of death or disturbance of in-situ sheltering or foraging fauna

Site Address:

Southern Primary School Substation
Berewood
Waterlooville

Completed by:

Rebecca Kingston / Andrea Hughes – Southern Primary School Construction Environmental Management Plan Authors. Based upon Mitigation Matrix findings (Table 5.1 and 5.2 of Southern Primary School Substation CEMP)

Risk Activities/Tasks
Establishment of site compound and facilities including protective heras fencing and signage where required. Provision and maintenance of drainage and pollution control measures plus temporary wheel wash facilities as required. Provision of substation and suitable landscaping and access as required.

Actions Required
<p>Appropriate space to be provided for parking and turning of operative, construction and visitor vehicles. Appropriate construction routing to be set out for construction traffic within a Construction Traffic Routing Plan.</p> <p>For the protection of Bats and other nocturnal fauna:</p> <p>Where construction site lighting is required, lights will be fitted with cowls, emit minimal ultra-violet light and be of a warm, neutral colour. Lights must be directed away from adjacent trees and hedgerows. See Method Statement 2</p> <p>For the protection of Breeding Birds:</p> <ul style="list-style-type: none">The clearance of any suitable nesting habitat should where possible be undertaken outside of the bird nesting season, which is considered to extend from the 1st March to the 31st August;

- If this is not possible, clearance must be done under the supervision of an ecologist to ensure that nesting birds are not harmed.
- Where nesting birds are encountered, clearance and/or demolition must be postponed until nestlings have fledged.

For the protection of Reptiles

- The initial soil strip should be supervised by an Ecological Clerk of Works (ECoW). In advance of works commencing the ECoW will undertake a fingertip search of the substation site searching for common reptiles and amphibians. Provided no animals are found during the initial search the soil can be stripped from the site under supervision. This work should be undertaken between March and October.
- If reptiles or common amphibians are found they should be moved to the closest area of retained vegetation (the new SUDS features circa 70m west of the substation site.)
- If a great crested newt is found, all work in that area should cease until Natural England are contacted.
- Any trenches that are required as part of the works will be covered over for the night. If this is not possible the trenches will have sloping sides to ensure that if any newts enter the trenches at night that they can escape. If newts are present within the trenches when construction starts an ecologist will be contacted and the newt moved away from the works area.
- Materials and any arisings will be kept off the ground through the use of skips or pallets.

For the Protection of Badgers

- Install fencing in areas where it is important to exclude badgers for safety reasons e.g. fuel storage areas;
- Temporarily fence any piles of material that are to be on site for a significant period of time to prevent badgers from accessing the fresh soil;
- Minimise night-working to avoid disturbance to badgers;
- Where possible excavations should not be left open overnight. However, if excavations are left open at night, then an earth / wooden ramps must

be installed to allow any animals that fall in to escape. Work areas would be checked daily to ensure no animals are trapped.

- Cap any pipes over-night on site to avoid animals becoming trapped.

See Method statement 2 re control of construction lighting to be observed;

See Method statement 3 re control of dust to be observed; and

See Method statement 4 re control of noise to be observed.

Method Statement 2

Control of lighting impacts upon bats, nocturnal species and adjacent residents

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Risk Activities/Tasks
Establishment of site compound and facilities including protective heras fencing and signage where required. Provision and maintenance of drainage and pollution control measures plus temporary wheel wash facilities as required. Provision of substation and suitable landscaping and access as required.

Actions Required
<ul style="list-style-type: none">• Where construction site lighting is required, the following measures will be applied:• Directing lighting to only where it is needed away from the hedgerows and trees.• Selection and design of the lighting systems and by using accessories such as cowls or hoods to minimise light spill and direct light only to where it is needed.• Using light sources that emit minimal ultra-violet light, peak higher than 550nm and be of a warm/neutral colour <2,700 kelvin.• LED luminaires should be used where possible.• All security lighting will be on a timer and only triggered at waist height.

Method Statement 3

Creation of dust impacting on-site and off-site personnel and flora and fauna

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Risk Activities/Tasks
Establishment of site compound and facilities including protective heras fencing and signage where required. Provision and maintenance of drainage and pollution control measures plus temporary wheel wash facilities as required. Provision of substation and suitable landscaping and access as required.

Actions Required
<ul style="list-style-type: none">• Appropriate space to be provided for parking and turning of operative, construction and visitor vehicles. Appropriate construction routing to be set out for construction traffic within the Contractors Construction Traffic Management Plan.• Vehicles carrying dusty materials to be suitably covered.• Site roads to be swept and sprayed with water to prevent dust nuisance.• Recycling activities that have the potential to generate dust to be sited in such a way to minimise dust nuisance to sensitive receptors;• Activities found to be generating dust in conditions where dust being spread may affect the public to be stopped, rescheduled or mitigated.• All supervisors to be familiar with the provisions of IAQM 'Guidance on the Assessment of Dust from Demolition and Construction'• All plant to be fitted with diesel particulate filters.• Site vehicles to be preferentially sought to have vertical exhausts to limit surface dust re-suspension.

- All vehicles leaving the site to be subjected to wheel washing where necessary.
- All materials and spoil to be stored on site to be sheeted or damped down as appropriate in dry weather to reduce dust.
- Stockpiling to be in accordance with CIRIA 'Environmental good practice guide on site (4th edition).
- Stockpiles of materials not suitable for on-site re-use to be removed as soon as is practicable in accordance with applicable waste management legislation.

Method Statement 4

Control of noise impacts upon on-site and off-site personnel

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Completed by:

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Risk Activities/Tasks
Establishment of site compound and facilities including protective heras fencing and signage where required. Provision and maintenance of drainage and pollution control measures plus temporary wheel wash facilities as required. Provision of substation, infrastructure, and suitable landscaping and access as required.

Actions Required
<ul style="list-style-type: none">• Appropriate space to be provided for parking and turning of operative, construction and visitor vehicles. Appropriate construction routing to be set out for construction traffic within a Construction Traffic Management Plan;• All vehicle drivers to be advised of agreed haulage routes selected to minimise any noise impact arising from additional lorry movements within a Delivery Plan;• Site works to take place only during work hours of:<ul style="list-style-type: none">Monday to Friday - 0800hrs to 18:00hrsSaturday - 08:00hrs to 13:00hrs.Sundays and Public Holidays - No work on site is permitted• Silencers or mufflers as appropriate to be fitted to plant and machinery;• A Prior Consent agreement with Winchester will be sought for any substantial or particularly noise-sensitive project. Under Section 61 of the Control of Pollution Act 1974 prior agreement can be reached on noise controls, which prevent the need for formal interventions, which may later be introduced without warning, with associated

delays and costs. Noise problems as far as is practical will be anticipated in advance and control measures will be agreed with the local authority to prevent problems later;

- Noisy plant and equipment will be sited as far away as is practicable from sensitive receptors. The use of barriers, such as soil mounds, site huts, acoustic sheds and partitions to deflect noise away from noise sensitive areas will be employed wherever practicable. Rapid access to portable acoustic screens such as those specified in British Standard BS5228:1997:Part 1 will be provided;
- Where necessary to control noise, hoardings may be provided. Hoarding may take the form of security hoards, or purpose built noise screens. Specific noise reduction hoarding is available where noise impact becomes a particular issue, or effective hoarding can be constructed on site from two sheets of 12mmmm board filled with a sound absorbing material such Rockwool;
- If required, effective screening/hoarding will be appropriately sited between the noise source and the potential receptor, contain no holes and ensure that the screening material overlaps with minimal gaps;
- All plant and machinery will comply with relevant statutory and manufactures' requirements. Vehicles and plant used for the purpose of the works will be fitted with effective exhaust silencers, maintained in good and efficient working order and operated to minimise noise emissions;
- Machinery in intermittent use will be shut down in the intervening periods between work or throttled down to a minimum. Noise emitting equipment required to run continuously e.g. generators, will be housed in suitable noise reducing enclosures;
- Only "sound reduced" compressors shall be used. Models will be fitted with properly lined and sealed acoustic covers that shall be kept closed whenever the machinery is in use;
- Pneumatic percussive tools will be fitted with mufflers or silencers of the type recommended by the manufacturers. Equipment that breaks concrete, brickwork or masonry by bending or by bursting shall be used in preference to percussive tools as far as practicable;
- Where practicable rotary drills bursters actuated by hydraulic, chemical or electrical power will be used for excavating hard or extrusive materials;
- Plant will be maintained in good working order so that extraneous noise from mechanical vibration, creaking and squeaking is kept to a minimum; and
- Care will be taken when loading or unloading vehicles, or moving materials etc to reduce noise impact.

Method Statement 5

Control of pollution impacts to adjacent ditches and drains on-site, off-site flora and fauna and local receptors

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Risk Activities/Tasks
Establishment of site compound and facilities including protective heras fencing and signage where required. Provision and maintenance of drainage and pollution control measures plus temporary wheel wash facilities as required. Provision of suitable surfacing. Provision of substation and suitable landscaping and access as required.

Actions Required
<ul style="list-style-type: none">• Systems of temporary drainage must be installed to ensure that no polluted surface runoff enters adjacent drains. Any surface water collected to be directed via treatment before discharge;• Any new or existing live surface water drains to be bunded to ensure that no surface water enters them;• Site roads to be swept and sprayed with water to prevent dust nuisance;• Where possible over-site hard standing to be retained & haul routes to be hard surfaced;• All vehicles leaving the site, to be subjected to wheel washing where necessary;• Stockpiling to be in accordance with best practice within CIRIA 'Environmental best practice on site guide (4th edition);• Stockpiles of materials not suitable for on-site re-use to be removed as soon as is practicable in accordance with applicable waste management legislation;

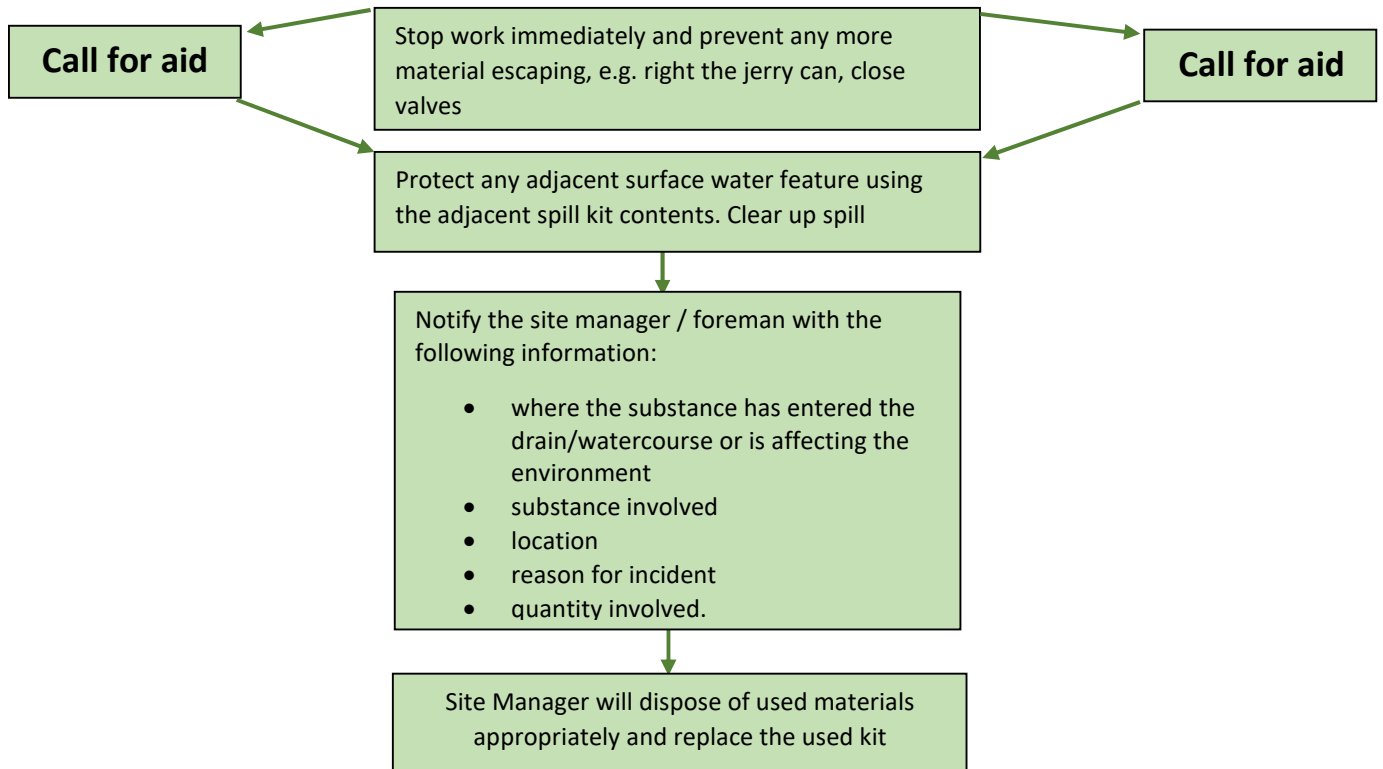
Southern Primary School Substation, Berewood, Waterlooville

Method Statement 5: April 2024

- Fuels and chemicals to be stored in accordance within CIRIA 'Environmental best practice on site guide (4th edition);
- All tanks and containers to be labelled with nature of contents and total volume secured;
- Fuel storage and delivery facilities to be on impermeable surface in a secondary containment system;
- Provision of spill kits at all storage areas & provision of emergency response numbers;
- Biodegradable hydraulic oil to be used for machinery/plant where possible;
- All deliveries to be supervised and levels of tanks checked before delivery;
- Stockpiles to be sited so as not be subject to inundation during extreme rainfall events;
- Contingency plan required for temporary covering of stockpiles during adverse weather conditions;
- Sorted & screened material to be placed on a prepared clean granular surfacing;
- Supervisors to be familiar with the provisions of CIRIA 'Environmental best practice on site guide (4th edition) re control of contaminated run off.

APPENDIX D: Incident Response Plan

Stop – Contain – Notify Diesel Spills



Spillage type

Major: Cannot be controlled, pollution has entered, or could enter a drain or watercourse. Report to the foreman/supervisor immediately

Minor: Can be controlled, pollution has not entered, and cannot enter a drain or watercourse. Report to the foreman/supervisor immediately

Foreman/supervisor instructions

Major: Contain and report immediately

Minor: Clean up immediately using appropriate materials (granules, pads etc)

In Major instance report to EA (see contact below)

Contact

Environment Agency (EA) Emergency Spill Line 0800 80 70 60

Worthing Office 03708506506

Write up report of incident to be retained in site records including:

- date, time, location of spill
- substance(s) involved
- action taken to contain it
- lessons learnt.