

Purpose

The purpose of this standard is to:

- Protect the water environment by preventing pollution, flood impact and damage from water abstractions
- Prevent nuisance impacts on the communities in which Kier operates
- Ensure compliance with associated legal requirements

Scope

This standard is applicable to all business streams and business units identified in [SHEMS-STD-GR-001](#). Derogations from this Standard are not permitted.

Requirements

Plan:

Permits and Authorisations

- Identify any activities that will take place in or near the following, and ensure any specific regulator permit or consent is obtained in good time:
 - A Main River or flood defence structure
 - An Ordinary Watercourse
 - A canal
 - The marine environment
 - A Groundwater Source Protection Zone / groundwater body / aquifer
 - A flood plain
 - A foul sewer / combined drainage system
- Identify any works requiring use of pesticides in or near water (within 5m from the top of the bank of a watercourse) and obtain regulator permission
- Identify any need to abstract water from any waterbody including underground sources and obtain licence / registration as required
- Identify specific permit / consent requirements for discharges from works
- Identify requirement for an Air Quality Statement (London only)
- Identify any specific restrictions relating to:
 - Noise / dust limits
 - Section 61 consent in England and Wales
 - Vibration
 - Lighting
 - Site hours
 - Delivery times
 - Planning conditions
 - Environmental Statements

Click on the boxes for
Guidance Notes

Permits and Authorisations
(England & Wales)

Permits and Authorisations
(Scotland)

Identifying and Protecting
Watercourses and Drainage

Working in or near
Watercourses

Using Pesticides and
Herbicides in or near Water

Control of Noise

Control of Dust

Physical Conditions

- Identify any watercourses or drainage systems within or in close vicinity to the works, such as:
 - Surface water and foul drains including oil interceptors, separators and silt traps (and any requirements for surveys etc.)
 - Rivers / streams
 - Groundwater bodies
- Develop a site drainage plan for temporary / permanent sites
- Ensure any planned storage of oil, fuel, chemicals or other polluting substances is suitable to prevent pollution (i.e. is located away from drains / watercourses with substances properly contained)
- Ensure adequate facilities / equipment are planned to manage concrete washout, vehicle cleaning, wheel washing, water from excavations, surface water run-off, drainage from site accommodation, commissioning / flushing etc. and ensure any specific permits / consents are in place for discharges as above

Identifying and Protecting
Watercourses and Drainage

Fuel and Oil Storage - above
ground

Chemical and Paint Storage

Wheel Washing and Vehicle
Cleaning

Managing Concrete Wash
Water

Pumping Out Excavations

Working on Fuel Tanks and
Lines



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- Identify any works required to fuel tanks and lines including decommissioning, draining, cleaning etc.
- Identify any local communities or neighbours that could be impacted by the works (i.e. noise, dust, vibration, traffic etc.) and plan works accordingly (sequencing, locations of plant / equipment etc.), including:
 - Residential properties
 - Schools
 - Hospitals
 - Places of worship
 - Local businesses

Do:

- Mark up on-site drainage and protect drains where needed
- Protect watercourses
- Prevent unplanned discharges to drains / watercourses
- Ensure any of surface water run-off to surface water drains, watercourses and soakaways (without an Environmental Permit or discharge consent) is appropriate, uncontaminated and controlled
- Ensure oil / petrol interceptors are maintained, and inspected every 3 months
- Control activities to prevent pollution (concrete washout, vehicle washing etc.)
- Store chemicals and hazardous substances appropriately
- Ensure works to fuel tanks and / or lines is undertaken by competent contractors and is carefully controlled
- Ensure refuelling activities are controlled
- Implement dust suppression measures where required
- Ensure access to suitable spill kits / emergency response equipment
- etc.) - stop activities that are caused the notice / complaint until investigated
- Communicate the requirements of any permit, consent or authorisation to people undertaking works that could affect compliance (e.g. site hours, delivery restrictions, Section 61)
- Comply with the requirements of any permit, consent or authorisation
- Undertake baseline environmental monitoring (noise, dust, water quality etc.) and ongoing monitoring where required
- Keep relevant people / neighbours informed about the work and / or display out-of-hours contact details where relevant
- For construction sites within the London Low Emission Zone for non-road mobile machinery (NRMM);
 - Ensure relevant plant and equipment complies with emissions standards
 - Log plant / equipment on the NRMM register online
- Report relevant pollution / nuisance incidents using Novade
- Report contact with / enforcement activity of environmental regulators using Novade (e.g. Section 60 notices, complaints from environmental health officers)
- Contact the relevant regulator to discuss any potential breaches of restrictions prior to works to agree how to proceed

Identifying and Protecting
Watercourses and Drainage

Refuelling

Spill Response

Control of Noise

Control of Dust

Non-Road Mobile Machinery
(London)Classifying and Recording
Environmental Incidents**Check:**

- Ensure specific requirements of any permit, consent or authorisation are complied with including monitoring (e.g. noise limits, water quality samples, water abstraction volumes etc.)
- That facilities / equipment to prevent pollution are effective and well maintained
- On a regular basis, that control / protection measures are in place and adequate
- That no obvious pollution is occurring to watercourses, drains or to the ground
- That dust, noise, vibration, site hours, deliveries etc. are controlled to prevent impacts on local communities / neighbours

Act:

- If any specific limits imposed by a permit, authorisation or consent are breached - report to the regulator as required by the permit
- If control measures are not preventing pollution or nuisance as expected or are breaching limits, change working methods and / or control measures (with agreement of client and / or relevant regulator) to prevent breaches / pollution

Responsibilities

A = Accountable R = Responsible C = Consulted I = Informed	Group Sustainability & Environment Team	Business Stream / Unit Environment Team	Business Stream / Unit SHEA Team	Business Stream / Unit Senior Management	Business Stream / Unit Pre-Start / Mobilisation Team	Contract / site / project team
Identify activities taking place in / near watercourses and obtain relevant consents / permits		C		A	R	I
Obtain permission for using pesticides near water		C		A	R	I
Identify abstraction requirements and obtain permit / consent		C		A	R	I
Identify discharge requirements and obtain permit / consent		C		A	R	I
Identify requirement for an Air Quality Statement (London only)		C		A	R	I
Identify restrictions re dust, noise etc.		C		A	R	I
Identify watercourses / drains systems		C		A	R	I
Identify fuel storage requirements		C		A	R	I
Plan facilities for concrete washout, vehicle cleaning, wheel washing etc.		C		A	R	I
Develop site drainage plan		C		A	R	I
Identify local communities / neighbours		C		A	R	I
Communicate restrictions to relevant people		C	I	A		R
Comply with permits / consents / authorisations		C	I	A		R
Undertake baseline monitoring		C	I	A		R
Communicate with neighbours / regulators as required		C	I	A		R
Comply with Low Emissions Zone requirements (London)		C	I	A		R
Protect watercourses / drainage		C	I	A		R
Maintain / inspect drainage / interceptors etc.		C	I	A		R
Provide suitable emergency response equipment		C	I	A		R
Report pollution / nuisance incidents	I	C	I	A		R
Report enforcement contact from environmental regulators	I	C	I	A		R

Related documents

- SHEMS Documents:
 - [SHEMS-STD-GR-067 Aspect and Impact Assessment Standard](#)
 - [SHEMS-STD-GR-011 Incident Reporting and Investigation](#)
 - [SHEMS-STD-GR-022 Regulatory Authority Contact](#)
 - [SHEMS-REG-GR-005 Legal and Other SHE Register](#)

Environmental Guidance Notes relevant to this Standard ([SHEMS-GUI-GR-063a-o](#)) are mandatory documents and the guidance must be followed where it is relevant to Kier activities.