



Site Name:

Contract Number:

Assessed on site by:

Date:

Site Address:

Environmental Aspects & Impacts Register

0.0 Risk / Hazard Assessment

RISK ASSESSMENT TITLE	Environmental Aspects & Impacts Register	RISK RATING MATRIX	
		Low	
		Medium	
		High	
ASSESSED ON SITE BY			

No.	Aspect	Impact / Hazard	Before Controls	Control Measures	After Controls
			Risk Status (H,M,L)		Risk Status (H,M,L)
Storage of materials					
1	Spillage of fuel, chemical/solvent into controlled waters, surface water drainage, or onto land.	Pollution of watercourse, surface water drainage or land contamination. Risk of fire and consequently pollution from hose down water.	M	Double bunded tanks/bowzers. Spill kits. Regular inspections of tanks/bowzers. Emergency Response Procedure displayed and communicated during site inductions.	L
2	CO2 SOX NOX and particles released into the atmosphere	Air pollution, local community, public health	M	Vehicles to have stop/start technology where possible to minimise emissions when in traffic queues Vehicles switched off when not in use.	L
4	Spillage of loose stone/soil.	Pollution of watercourse or surface water drainage.	M	Dedicated storage areas away from watercourses/drainage.	L
5	Leakage from gas bottles.	Emissions to atmosphere.	M	Stored in locked gas cage until required.	L

No.	Aspect	Impact / Hazard	Before Controls	Control Measures	After Controls
			Risk Status (H,M,L)		Risk Status (H,M,L)
Site activities					
6	Disruption of potentially contaminated ground when excavating.	Pollution of watercourse, surface water drainage or land contamination.	M	Ground investigation/survey. Testing of soil.	L
7	Spillage of oil/fuel from plant.	Potential pollution of groundwater.	M	Secondary containment of fuels/oils. Spill kits. Emergency Response Procedure displayed and communicated during site inductions.	L
8	Disposal of silty water from excavations.	Pollution of watercourse, surface water drainage or land contamination.	M	Use of filtration systems (e.g. siltbuster). Discharge to grassland where possible (with permission/approval).	L
9	Disturbance of archaeological artefacts.	Loss of archaeological artefacts.	M	Ground investigation/survey. Archaeologist on site if needed.	L
10	Crushing/screening and re-use materials on site.	Contamination of material prior to re-use.	M	Testing of materials for re-use. Use of waste exemptions and permits where necessary.	L

	Aspect	Impact / Hazard	Before Controls	Control Measures	After Controls
			Risk Status (H,M,L)		Risk Status (H,M,L)
11	Spillage of waste and washing effluent (concrete mixed on site)	Pollution of watercourse, surface water drainage, or land contamination.	M	Dedicated mixing/washout area. Emergency Response Procedure displayed and communicated during site inductions.	L
12	Concrete washout (ready mixed concrete vehicles).	Pollution of watercourse, surface water drainage or land contamination.	M	Dedicated bunded washout area. Emergency Response Procedure displayed and communicated during site inductions.	L
13	Use of materials	Resource depletion.	M	Minimise wastage of materials. Follow waste hierarchy.	L
14	Creation of dust, noise when wet cutting concrete, asphalt, bricks etc.	Nuisance	M	Set up cutting area away from public areas/other work areas. Use water to suppress dust. Use screening to suppress noise and spray from wet cutting.	L
15	Silty water from dust suppression when wet cutting materials.	Pollution of watercourse or surface water drainage	M	Set up cutting area away from drainage system. Sand bags/drain covers available.	L
16	Creation of dust, noise from demolition or refurbishment work.	Nuisance/disruption to neighbours and or local community.	M	Use water spray to suppress dust. Restrict to sociable working hours.	L



Environmental Aspects & Impacts Register

Williams Southern Integrated Management System

Ref: F13.2.1

Issue Number: **2**

Reviewed/ Approved By:

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No.	Aspect	Impact / Hazard	Before Controls	Control Measures	After Controls
			Risk Status (H,M,L)		Risk Status (H,M,L)
17	Waste disposal from demolition or refurbishment work.	Incorrect disposal of waste material.	M	Use only approved waste contractors. Regularly check licenses.	L
18	Disturbance of protected species	Disturbance or destruction of natural habitat of the bats.	M	Ecological survey before work starts. Liason with Environmental Agency	L
19	Mud/silt on roads inside and outside the site entrance.	Nuisance/disruption to road users, neighbours, and/or local community.	M	Sweeper used regularly. Wheel wash or jet wash at site entrance for vehicles leaving site.	L
20	Noise/dust pollution visual impact when working in a public area.	Nuisance/disruption to neighbours and/or local community.	M	Restrict to sociable working hours where possible. Use screening to suppress noise where possible.	L
21	Noise/dust/light when working out of hours.	Nuisance/disruption to neighbours and/or local community.	M	Restrict to sociable hours where possible. Minimise light pollution where possible. Minimise reversing of vehicles/plant.	L

No.	Aspect	Impact / Hazard	Before Controls	Control Measures	After Controls
			Risk Status (H,M,L)		Risk Status (H,M,L)
Wildlife, trees and vegetation					
22	Physical damage to root system when working near trees.	Disturbance or destruction of natural habitat.	M	Tree protection zones.	L
23	Disposal of identified invasive weeds.	Incorrect waste disposal.	M	Use only approved waste contractors. Regularly check licenses	L
24	Disturbing treatment of identified protected species.	Spreading of invasive species.	M	Awareness training/TBTs for operatives. Use only competent /approved treatment contractors. Emergency Response Procedure displayed and communicated during site inductions.	L
25	Disturbing of identified protected species.	Disturbance or destruction of natural habitat.	M	Ecological survey before work starts. Liaison with Environmental Agency. Emergency Response Procedure displayed and communicated during site inductions.	L
26	Pruning, tree works of vegetation trimming.	Disturbance or destruction of natural habitat.	M	Arboricultural survey before works starts. Avoidance of nesting season. Use of competent/approved aboricultural contractors.	L
27	Removal of trees or vegetation.	Effect on soil and erosion resulting in landscape changes.	M	Arboricultural survey before work starts. Avoidance of nesting season. Use of competent approved arboricultural contractors.	L
28	Disposal of tree and vegetation waste.	Incorrect waste disposal.	M	Use only approved waste contractors. Regularly check licenses.	L

No.	Aspect	Impact / Hazard	Before Controls	Control Measures	After Controls
			Risk Status (H,M,L)		Risk Status (H,M,L)
Waste					
29	Waste storage.	Pollution of water courses, surface water drainage or land contamination.	M	Segregation/labelling of waste skips and hazardous waste bins. Regular housekeeping check and clean up.	L
30	Escape of liquid wastes	Pollution of water courses, surface water drainage or land contamination.	M	Store liquid waste bins in a bunded area. Spill kits. Emergency Response Procedure displayed and communicated during site inductions.	L
31	Run off from solid waste	Pollution of water courses, surface water drainage or land contamination.	M	Use covered skips where possible to prevent rainwater ingress. Ensure skips do not have holes in base. Spill kits. Emergency Response Procedure displayed and communicated during site inductions.	L
32	Wind blown waste on/off site.	Nuisance/visual impact on neighbours and or local community.	M	Use covered skips where possible to prevent waste being blown from skips. Wooden hoarding or netted heras fencing around site perimeter/work areas. Regular housekeeping checks and clean up.	L
33	Disposal of waste.	Incorrect disposal, potential for fly tipping and land/water contamination.	M	Implement/use waste management plan. Segregation/labelling of waste skips and hazardous waste bins. Use only approved waste contractors. Regularly check licenses.	L

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No.	Aspect	Impact / Hazard	Before Controls	Control Measures	After Controls
			Risk Status (H,M,L)		Risk Status (H,M,L)
Welfare facilities / Site offices					
34	Release of detergent, bleach etc into drainage system.	Pollution of water courses or surface water drainage.	M	Cabins/toilets connected to the foul water system where possible. Effluent tanks emptied regularly.	L
35	Generation/use of electricity.	Resource depletion. Use of energy. Use of fossil fuels.	M	Automatic lighting in cabins. Computers/monitors turned off at night. Raising awareness amongst staff.	L
36	Water consumption.	Resource depletion. Use of resources needed to treat water.	M	Automatic or push top taps. Water usage minimised.	L
37	Generation of waste water/effluent.	Pollution of water courses, surface water drainage or land contamination.	M	Automatic or push top taps. Water usage minimised. Cabins/toilets connected to the foul water system where possible. If not effluent tanks emptied regularly.	L
38	Disposal of waste water/effluent.	Incorrect waste disposal.	M	Implement/use waste management plan. Use only approved waste contractors. Regularly check licenses.	L
39	Risk of leakage of fuel or oil from parked vehicles.	Pollution of water courses, surface water drainage or land contamination.	M	Spill kits. Emergency Response Procedure displayed and communicated during site inductions.	L



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11.0 Additional Risk Assessment

RISK ASSESSMENT TITLE

ASSESSED ON SITE BY

RISK RATING MATRIX

Low

Medium

High

No.	Job Step	Hazard Identification	Before Controls	Control Measures	After Controls
			Risk Status		Risk Status



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.0 Declaration

Based on this risk assessment, the level of risk has been reduced as far as is reasonable practicable.

Assessed by:

Position: