

BIOSECURITY RISK ASSESSMENT			
Activity/Task: General Site Activities During Site Construction and Post Construction Monitoring.			Date: 25.06.14
Project: Wrexham Industrial Estate Plot C4			Revision : 0
Carried out by: James Bilham		Environmental Coordinator: Peter McComiskey	
The function of the Biosecurity Risk Assessment is to identify all possible INNS and known diseases that could harm or negatively impact upon the environmental conditions on site. All known pathways / actions that could result in cross contamination from one site to the next are identified and appropriate mitigation and reasonable avoidance strategies are recorded.			
AQUATIC HABITATS			
Environmental Element	Assessment	Presence	Additional comments
Aquatic habitats	Are aquatic habitats present on site?	No	There is 1 pond located within 20m of the site boundary and ponds located within 2km of the site
	Are aquatic habitats proposed as part of development including mitigation or compensation scheme?	Yes	Four ponds will be created within the mitigation area to the northern end of the site.
Assessment of Plants within aquatic habitats	Are invasive species recorded at ponds subject to survey?	No	Not Applicable
AMPHIBIAN SURVEYS AND TRAPPING			
Environmental Element	Assessment	Results	Additional comments

Great Crested Newts (GCN)	Mitigation - Construction (Main Works)	Reasonable Avoidance Measures (RAMs)/ Translocation	The construction area will be fenced and amphibians/GCN translocated prior to start of construction, additional mitigation areas will be fenced (one-way fencing) and work supervised under RAMs. Four new ponds are to be created. Habitat creation and enhancement will also be undertaken in the mitigation area to the northern end of the site and adjacent to Erlass Road.
	Total number of ponds post construction (monitoring) to be surveyed	Four newly created ponds on site	The completion date for construction is March 2016 after which the monitoring period will begin. Monitoring will be undertaken for a minimum of 21 years post construction
	Geographical Extent of all surveys carried out per annum	Terrestrial and aquatic habitats within the site only	Both terrestrial and aquatic habitats will be monitored as part of these surveys
	Range of all surveys carried out per annum	Not Applicable	Not Applicable
	Amphibian monitoring - Method of surveys undertaken.		Combination of nocturnal torchlight surveys, egg searching and netting of ponds monitored within the mitigation area
TERRESTRIAL HABITATS			
Environmental Element	Assessment	Presence	Additional comments
Terrestrial habitats	Are terrestrial habitats present on site?	Yes	Mixed semi-improved grassland habitats with small woodland and scrub areas
	Are plant INNS present on site?	No	
Materials	Does the scheme include the removal of soils or any	No	No material will be removed from site
	If yes please state reception area(s) if known?		
	Will the scheme require the import of material from	No	

INNS	Do site visitors, workers including contractors, sub-contractors, and their vehicles work on or visits other sites where INNS are present or likely to be present?		Yes for TACP unknown for other site visitors	It is to be assumed that all workers will come in contact with INNS and therefore appropriate control measures will be applied.
	Are procedures in place to reduce risk of accidental		Yes	
		If yes, please state actions.		All site workers are made aware of the risks of and procedures with regard to INNS and all equipment and machinery used within INNS contaminated areas are cleaned prior to removal. Movement of machinery and equipment from external sites where INNS is present is discouraged and where this is necessary decontamination measures are put in place to ensure that no INNS are imported from elsewhere. Monitoring for the presence of INNS species is ongoing and will continue during post construction
		If no please confirm why		
Landscaping	Does the scheme include any landscaping?		Yes	The scheme will combine various landscape elements in order to retain existing habitat where possible and enhance and replace that which is lost. Landscape elements will include - species rich grassland, scrub planting, refugia/hibernacula creation, brash/log piles from vegetation clearance and water bodies with associated planting.

	Does the landscaping scheme include planting invasive non native species?	Yes	Planting proposed to be incorporated within the mitigation will include scrub vegetation consisting of native species where possible and native tree species will be use where additional trees are proposed to be planted.
	If yes which species?		
Actions to Minimize Risks: Ensure all site staff are aware of the potential for presence of INNS and the procedures required to minimise their spread Avoidance of working within water-bodies wherever possible Cleaning of all equipment and machinery where work is required within waterbodies during construction Use of site specific monitoring equipment and cleaning of all equipment after each survey Cleaning of all equipment and PPE, especially footwear, after each survey Consider surveying ponds supporting invasive species last Best practice to be applied in accordance with ARG-UK Advice Note 4			
Completed By: James Bilham		Date: 25.06.14	
Approved by:		Proposed Review date:	

2134/JB

24/06/2014

Biosecurity Risk Assessment Introduction

The Biosecurity Risk Assessment identifies all Invasive Non Native Species (INNS) and any known diseases that could potentially be present or be introduced that could harm or impact upon species and the environmental conditions present on site. All actions that could result in contamination from one site to another are identified within the Biosecurity Risk Assessment table.

No INNS species were identified within Plot C4 as part of the Ecological Assessment undertaken by JW Ecological Ltd in June 2013, however some areas of the site were survey restricted due to the presence of scrub or trees. If any areas of the site are found to contain INNS at any time during the works, then these areas will be treated and cleared in accordance with the Environment Agency Best Practice Guidelines, with monitoring being undertaken to ensure that these measures have been successful.

Landscape proposals have been developed, as part of the mitigation plan to ensure that no INNS are included. All plant stock shall be inspected and approved prior to planting. Planting areas will be monitored throughout the 21 year post-construction period, ensuring that INNS do not establish.

Due to the presence and creation of water-bodies on site there is a risk of contamination and the spread of INNS, in particular during construction and mitigation work and during the post construction monitoring period. Any work, including surveys, undertaken within existing water-bodies will follow the guidelines given within the Biosecurity Risk Assessment to ensure that INNS and water-borne diseases are not brought onto the site or spread within the site. These measures include informing all site staff of the potential biosecurity risks, the use of site specific equipment and machinery wherever possible and the thorough cleaning of all equipment and machinery used.