

Winnington Urban Village

Customer:	Winnington Urban Village Consortium	Value:	£3.0M
	303 Bridgewater Place, Birchwood WA3 6XF 1 Lumsdale Rd., Stretford, Manchester M32 0UT Morland House, Altrincham Rd., Wilmslow SK9 5NW	Contact:	Tony Sutton Director (DWH) Mark Dawson Director (T/Wimp.) Paul Moss crop Director (Morris)

Scope of Work

- Phased demolition and asbestos mitigation
- Asbestos within soils
- Sensitive watercourses
- Localised ammonia impacted perched groundwater
- Optimal materials management strategy
- Stakeholder management issues
- Material recycling and recovery
- Phased strategy development and reporting



Project Description



The 40Ha Winnington Urban Village development in Northwich is the phased development by 3 national housebuilders of the former Brunner Mond works. To be developed over 3 separate phases, the site which retains some significant industrial buildings to be demolished as part of the re-development has widespread organic and inorganic contamination evident throughout. Instances of localised Mercury and fuel oil contamination is evident throughout the made ground, containing ash, clinkers and volumes of spent lime and slag material, varying in depth up to 5m over natural granular soils



Works started in mid 2013, the project will be subject to a phased remediation design and validation process dealing with other constraints including asbestos distributed within the soils at key locations, ammonia impacted perched groundwater and significant existing infrastructure, industrial foundations and utilities.



Following decommissioning of the remaining operational area on Wallyscote Island, a full decommissioning clean was undertaken using specialist equipment to clear 3500tonnes of residual soda ash, with all but 30tonnes re-introduced into the supply chain as raw chemical product, diverting a massive 99% of waste material away from landfill.

Island demolition works have been carried out using super high reach equipment with the highest structures some 40m above ground level. Significant liaison with the Canal and Rivers Trust has been required, with the deployment of pontoons within the Weaver Navigation during demolition of sections of the structure overhanging the navigable water course.



3000m³ of hazardous levels of hydrocarbon and heavy metal contaminated soils have been treated on site rendering them suitable for re-use within the works.

The Urban Regen team have worked closely with each of the developers to optimise the earthworks strategy in accordance with the CL:AIRE code of practice.

