**Waste Policy Guidance: WM13 and WM15
Site Selection Criteria**

Joint Merseyside and Halton Waste Local Plan

July 2013

**Waste Policy Guidance: WM13 and
WM15 Site Selection Criteria
Criteria last updated: 01/10/2012**

Merseyside Environmental Advisory Service
Joint Merseyside and Halton Waste Local Plan
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Purpose of document

The purpose of this document is to provide additional guidance for applicants regarding the site selection assessment criteria in policies WM13 *Planning Applications for New Waste Management Facilities on Unallocated Sites* and WM15 *Landfill on Unallocated Sites* in the Joint Merseyside and Halton Waste Local Plan. Policy WM13 and WM15 can be read in full within the latest version of the Waste Local Plan (document ref: ADP-001) which is available to download via the Waste Local Plan Document Archive. The criteria are shown in tables 5.1 and 5.2 respectively.

This guidance document adds to published reports describing the methodological process used to select and allocate sites for built facilities and landfill during the preparation of the Waste Local Plan. Principally, these are:
  ➢ P01-005: Built Facilities Site Search Methodology and;
  ➢ PS-014: Survey for Landfill in Merseyside and Halton report.

*It is important to note that the scoring system used in policies WM13 and WM15 is just one part of a decision making process which comprises the Waste Local Plan as a whole. Moreover, the scoring system is an objective planning policy tool to aid identification of potential planning constraints and the relative sustainability of a site location. The largest negative scores for a site can help applicants target issues which may require mitigation; and the positive scores can highlight opportunities for sustainable modes of transport, for example.

Data and viewing options

Information provided within this document explains what the criteria is, who owns the data; and where electronic copies of that data can be obtained i.e. as raw GIS layers, from interactive mapping websites; or from other web based sources such as public registers or local planning documents. A reference list of these web based sources is included at the end of the document, which we will keep up to date to reflect best available data. However, data and local plans are subject to periodic alteration and review to reflect new information, so the latest position in any area should be confirmed through contact with individual Local Planning Authority Planning and other data owners to understand the definitive position.

If you do not have access to desktop Geographic Information System (GIS) software and wish to view the GIS layers referenced below, then free and trial GIS are available to download from the following websites:
  ➢ http://www.esri.com/products
  ➢ http://www.pbinsight.com/welcome/mapinfo/

[1] Web mapping services (WMS) are websites which allow you to view and/or download spatial GIS (Geographic Information Systems) layers
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[4] Other data sources provides web-based information such as pdf reports, local plans, scanned maps and/or statutory agency guidance associated with the criteria

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WM13 and WM15 Site Selection Criteria

Waste Local Plan policy	Criteria	Data description	Data owner	Web mapping services[1]		Other data sources[4]
				GIS layer download[2]	Interactive mapping websites[3]	
WM13 / WM15	**Listed buildings**	Point dataset containing Listed Buildings within Merseyside and Halton. Buildings are 'listed' when they are placed on a national administered statutory list of buildings of 'special architectural or historic interest'. These buildings are graded to show their relative importance: Grade I buildings are those of exceptional interest. Grade II* are particularly important buildings of more than special interest and Grade II are of special interest, warranting every effort to preserve them. This criterion combines all grades into a single dataset of Listed Buildings. The data can viewed or downloaded from English Heritages website.	English Heritage	➢ English Heritage Designation Data Download Area	➢ The National Heritage List for England Map Search	➢ The National Heritage List for England
WM13 / WM15	**Registered Parks and Gardens**	Boundary dataset containing registered parks and gardens. The data can be viewed or downloaded from the English Heritage website.	English Heritage	➢ English Heritage Designation Data Download Area	➢ The National Heritage List for England Map Search	➢ The National Heritage List for England ➢ English Heritage Registered Parks and Gardens information
WM13 / WM15	**Special Areas of Conservation (SAC)**	Boundary dataset containing Special Areas of Conservation (SAC). A SAC is designated under Directive 92/43/EEC for the Conservation of Natural Habitats and of Wild Fauna and Flora. Areas designated as SACs are those which make a significant contribution to the conservation of the habitats and species identified by the Directive.	Natural England	➢ Natural England GIS Digital Boundary Datasets	➢ Natural England Nature on the Map	➢ Special Areas of Conservation

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Waste Local Plan policy	Criteria	Data description	Data owner	Web mapping services[1]		Other data sources[4]
				GIS layer download[2]	Interactive mapping websites[3]	
		This dataset can be viewed or downloaded using Natural England's web mapping services.				
WM13 / WM15	**Special Protection Areas (SPA)**	Boundary dataset containing Special Protection Areas (SPAs). An SPA is designated under Directive 79/409 of the Conservation of Wild Birds. This dataset can be viewed or downloaded using Natural England's web mapping services.	Natural England	➤ Natural England GIS Digital Boundary Datasets	➤ Natural England Nature on the Map	➤ Natural England Special Protection Areas information
WM13 / WM15	**Ramsar sites**	Boundary dataset containing Ramsar sites. A 'Ramsar site' is a wetland of international importance, designated under the Ramsar Convention. This dataset can be viewed or downloaded using Natural England's web mapping services.	Natural England	➤ Natural England GIS Digital Boundary Datasets	➤ Natural England Nature on the Map	➤ Natural England What are Ramsar Sites?
WM13 / WM15	**National Nature Reserve (NNR)**	Boundary dataset containing National Nature Reserves (NNRs). An NNR are land which had been declared under the National Parks and Access to the Countryside Act 1949 or Wildlife and Countryside Act (1981), as amended. They are places where wildlife comes first. They were established to protect the most important areas of wildlife habitat and geological formations in Britain, and as places for scientific research. This dataset can be downloaded or viewed using Natural England's web mapping services.	Natural England	➤ Natural England GIS Digital Boundary Datasets	➤ Natural England Nature on the Map	➤ Natural England National Nature Reserves information
WM13 / WM15	**Site of Special Scientific Interest**	Boundary dataset containing Sites of Special Scientific Interest (SSSI). An SSSI is designated under the Wildlife and Countryside Act (1981), as amended. SSSIs are defined as the finest sites for	Natural England	➤ Natural England GIS Digital Boundary Datasets	➤ Natural England Nature on the Map	➤ Natural England Sites of Special Scientific Interest

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	(SSSI)	wildlife and natural features in England, supporting many characteristic, rare and endangered species, habitats and natural features. This dataset can be viewed or downloaded using Natural England's web mapping services.				information
WM13 / WM15	**World Heritage Site (WHS)**	Boundary dataset containing Liverpool Maritime Mercantile City World Heritage Site (WHS). The WHS dataset can be viewed or downloaded using English Heritage's web mapping services.	English Heritage	➢ English Heritage Designation Data Download Area	➢ The National Heritage List for England Map Search	➢ English Heritage World Heritage Sites information ➢ Unesco World Heritage List
WM13 / WM15	**Residential areas**	Boundary dataset containing residential areas. This data is derived from large scale Ordnance Survey (OS) and identifies residential amenity to an individual property level. Primarily Residential Areas are also shown on some Unitary Development Plan Proposals Maps.	Ordnance Survey and Local Planning Authorities	Not available.	➢ Knowsley UDP Proposals Map ➢ Sefton UDP Proposals Map ➢ St.Helens UDP Proposals Map ➢ Wirral UDP Proposals Map ➢ OS Opendata View	➢ Halton UDP Proposals Map ➢ Liverpool UDP Proposals Map
WM13 / WM15	**Schools**	Point dataset containing schools within the Merseyside and Halton. The criterion includes schools from nursery to secondary school level and also further education centres. Their locations can be identified from a large scale Ordnance Survey (OS) map, a Local Authority search and/or as part of a site visit.	Local Planning Authorities and Ordnance Survey	Not available.	➢ OS Opendata View	➢ Halton BC Schools and colleges ➢ Knowsley MBC Find a school ➢ Liverpool CC - Find a school ➢ Sefton MBC

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| Waste Local Plan policy | Criteria | Data description | Data owner | Web mapping services[1] | | Other data sources[4] |
				GIS layer download[2]	Interactive mapping websites[3]	
						➢ Schools and colleges ➢ St.Helens MBC find a school ➢ Wirral MBC Schools and colleges
WM13 / WM15	**Hospitals**	Point dataset containing locations of hospitals. This data is derived from the Local Authority Local Land and Property Gazetteers (LLPG); but can also be obtained from the NHS (National Health Service) website or an Ordnance Survey (OS) base map search. Nursing homes, residential care homes, GPs etc are excluded from this dataset as they are picked up by the 'residential areas' criterion.	NHS	Not available.	➢ OS Opendata View	➢ NHS list of Authorities and Trusts
WM13 / WM15	**Food processing plants**	Point data derived from the Environment Agency's IPPC (Integrated Pollution Prevention and Control) dataset. This data includes food and drink manufacturing and processing facilities which process >75tonnes/day of animal, vegetable and food products. This could include dairy product manufacturing, cereal and grain processing or beverage packaging, for example; but would exclude food waste processing plants as they are not manufacturing food or drink products, and are covered by the 'other operating waste site' criterion. These types of facilities can be identified by	Environment Agency	Not available.	Not available.	➢ Environment Agency Public register ➢ Environment Agency Food and drink manufacturing information

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				GIS layer download[2]	Interactive mapping websites[3]	
		searching the EA's public register for "Environmental Permits (IPPC)". More information can be requested using this service if required.				
WM13 / WM15	**Nitrate vulnerable zones**	The European Commission (EC) nitrates directive The 91/676/EEC requires areas of land that drain into waters polluted by nitrates to be designated as Nitrate Vulnerable Zones (NVZs). These areas are shown as boundaries on a map and can be viewed using the Environment Agency's interactive mapping services. The GIS boundaries can also be downloaded from the MAGIC website.	DEFRA	➢ MAGIC Dataset Information and Download	➢ Environment Agency Interactive Map Nitrate Vulnerable Zones	➢ Defra Nitrate Vulnerable Zones information
WM13 / WM15	**Prime agricultural land**	Boundary dataset containing Agricultural Land Classification data. Prime agricultural land is defined as grades 1, 2 & 3 only. Grade 1 land is regarded as excellent quality. Grade 2 land is regarded as being very good. Grade 3a as good. The 'best and most versatile land' is defined as grades 1, 2 and 3a in the National Planning Policy Framework (NPPF).

The GIS boundaries can be viewed and/or downloaded using the links provided. Please note the spatial data does not show sub-divisions within grades. | Natural England/ Defra | ➢ Natural England GIS Digital Boundary Datasets | ➢ MAGIC Interactive Map | ➢ Defra Land management and environment |
| WM13 / WM15 | **Controlled surface waters** | Line and boundary dataset containing all surface water bodies. This includes all: drains, rivers, ponds, streams, brooks, reservoirs etc. This data has been derived from large scale Ordnance Survey (OS) base maps and/or as part of a site | Ordnance Survey | Not available. | ➢ OS Opendata View | ➢ Controlled water definition (Water Resources Act 1991) |

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				GIS layer download[2]	Interactive mapping websites[3]	
		visit.				
WM13	**Green Belt**	Boundary dataset containing areas of Green Belt land. Green Belt is a policy-derived land use planning designation which is used to retain areas of largely undeveloped, wild, or agricultural land that surround or neighbour urban areas in line with objectives set out in national policy. Land is designated as Green Belt through a statutory land-use Development Plan and is shown on Merseyside and Halton's Unitary Development Plan (UDP) Proposals Maps. Alternatively, GIS boundaries are available to view/download via MAGIC's web mapping services.	Local Planning Authorities	➢ MAGIC Dataset and information and download	➢ MAGIC Interactive Map ➢ Knowsley UDP Proposals Map ➢ Sefton UDP Proposals Map ➢ St.Helens UDP Proposals Map ➢ Wirral UDP Proposals Map	➢ Halton UDP Proposals Map ➢ Liverpool UDP Proposals Map
WM13 / WM15	**Indicative floodplain**	Boundary dataset. Environment Agency Indicative Floodplain data including Flood Zone 2 and Flood Zone 3.	Environment Agency	Not available.	➢ Environment Agency Interactive maps: Risk of flooding from river or sea	➢ Environment Agency Flood Maps information
WM13 / WM15	**Groundwater Source Protection Zone**	Boundary dataset containing Groundwater Source Protection Zones (SPZs) including zone 1, 2 and 3, which are explained further below. The Environment Agency has identified (SPZs for 2000 groundwater sources such as wells, boreholes and springs used for public drinking water supply. These zones show the risk of contamination from any activities that might cause	Environment Agency	Not available.	➢ Environment Agency Interactive Maps: Groundwater	➢ Environment Agency Groundwater Source Protection Zones information

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				GIS layer download[2]	Interactive mapping websites[3]	
		pollution in the area. The closer the activity, the greater the risk. Zone 1 covers the area of greatest risk - the inner protection zone. Zone 2 is the outer protection zone; and Zone 3 is the total catchment area. Zone 4, which identifies a surface water catchment area, is not included in the scoring assessment. This dataset can be viewed using the Environment Agency's web mapping services.				
WM13 / WM15	**Ancient Woodland**	Areas of ancient and semi-natural woodland within Merseyside and Halton. Ancient woodland is land that has had a continuous woodland cover since at least 1600 AD and may be ancient semi-natural woodland (ASNW), which retains a native tree and shrub cover that has not been planted, although it may have been managed by coppicing or felling and allowed to regenerate naturally or plantation on ancient woodland sites (PAWS) where the original tree cover has been felled and replaced by planting, often with conifers, and usually over the last century. This dataset can be downloaded or viewed using Natural England's web mapping services.	Natural England	➢ Natural England GIS Digital Boundary Datasets	➢ Natural England Nature on the Map	➢ Forestry Commission Ancient Woodland
WM13 / WM15	**Local Nature Reserve (LNR)**	Boundary dataset containing Local Nature Reserves (LNRs). Local Nature Reserves are a statutory designation made under Section 21 of the National Parks and Access to the Countryside Act 1949 by principal Local Planning Authorities.	Natural England and Local Planning Authoritie	➢ Natural England GIS Digital Boundary Datasets	➢ Natural England Nature on the Map	➢ Natural England Local Nature Reserves information

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				GIS layer download[2]	**Interactive mapping websites[3]**	
		This dataset can be downloaded or viewed using Natural England's web mapping services. LNRs are also shown on Unitary Development Plan (UDP) Proposals Maps.	s			
WM13 / WM15	**Local biological and geological sites**	Boundary dataset containing local biological and geological sites across Merseyside and Halton. These sites are designated at a Local Authority level and are nationally referred to as Local Wildlife Sites and Local Geological Sites, or collectively as "Local Sites". These Local Site designations are shown separately on Merseyside and Halton Council's Unitary Development Plan (UDP) Proposal Maps, and collectively on the Liverpool City Region Ecological Framework website and can be identified as: Sites of Local Biological/Geological Interest, Sites of Importance for Nature Conservation or Sites of Community Wildlife Interest, for example. Note that these sites are subject to periodic alteration and review based on the latest available information. The latest position in any area should be confirmed through contact with individual Local Authority Forward Planning and Development Management Services.	Local Planning Authorities	Not available.	➢ Liverpool City Region Ecological Framework ➢ Knowsley UDP Proposals Map ➢ Sefton UDP Proposals Map ➢ St.Helens UDP Proposals Map ➢ Wirral UDP Proposals Map	➢ Halton UDP Proposals Map ➢ Liverpool UDP Proposals Map ➢ Wirral local sites website
WM13 / WM15	**Conservation area**	Boundary dataset containing allocated Conservation Areas which are often shown on Merseyside and Halton Council's Unitary Development Plan (UDP) Proposal Maps, which	Local Planning Authorities	Not available.	➢ Knowsley UDP Proposals Map ➢ Sefton UDP Proposals Map	➢ Halton UDP Proposals Map ➢ Liverpool UDP Proposals Map

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Waste Local Plan policy	Criteria	Data description	Data owner	Web mapping services[1]		Other data sources[4]
				GIS layer download[2]	**Interactive mapping websites[3]**	
		are available online. Conservation Areas are areas however designated by Local Planning Authorities for being of 'special architectural or historic interest' under separate legislation outside the statutory development plan process and the latest position in any area should be confirmed through contact with individual Local Authority Development Management Services.			➢ St.Helens UDP Proposals Map ➢ Wirral UDP Proposals Map	
WM13 / WM15	**Air Quality Management Area (AQMA)**	Air Quality Management Areas (AQMAs) are established by Local Planning Authorities where air quality consistently falls below the stipulated thresholds. The aim of AQMAs is to ensure that national air quality objectives are met by the appropriate deadline. They are monitored at local scale by the Local Planning Authorities and partner organisations. Defra manage an "AQMA Maps" website which enables AQMAs to be viewed on a map. GIS versions of the AQMA boundaries are also available from Defra upon request.	Local Planning Authorities	➢ GIS version of AQMA boundaries	➢ Defra AQMA Maps	➢ Defra Air Quality Management Areas guidance
WM13 / WM15	**Green and open public space**	Boundary dataset containing green and open public spaces. The criterion combines recreational open space, local natural areas and other green public areas to give an overall picture of green space resource.\n\nThese public open spaces are shown on Merseyside and Halton Council's Unitary Development Plan (UDP) Proposal Maps available online.	Local Planning Authorities	Not available.	➢ Knowsley UDP Proposals Map ➢ Sefton UDP Proposals Map ➢ St.Helens UDP Proposals Map	➢ Halton UDP Proposals Map ➢ Liverpool UDP Proposals Map ➢ Wirral conservation areas

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				GIS layer download[2]	**Interactive mapping websites[3]**	
		Public open space within the Green Belt is not always shown on UDP Proposals Maps and should be confirmed through contact with individual Local Authority Forward Planning and Development Management Services.				
WM13/ WM15	**Unsuitable land allocation (B1 allocations)**	The dataset contains land specifically allocated to land use class 'B1 Business' which is typically reserved for alternative employment uses. This information can be obtained from Merseyside and Halton Council's Unitary Development Plan (UDPs) and Proposals Maps.	Local Planning Authorities	Not available.	➢ Knowsley UDP Proposals Map ➢ Sefton UDP Proposals Map ➢ St.Helens UDP Proposals Map ➢ Wirral UDP Proposals Map	➢ Halton UDP Proposals Map ➢ Liverpool UDP Proposals Map ➢ Halton UDP ➢ Knowsley UDP ➢ Liverpool UDP ➢ Sefton UDP ➢ St.Helens UDP ➢ Wirral UDP
WM13 / WM15	**Public rights of way (PROW)**	Line dataset containing Public Rights of Way (PROW). This criterion includes footpaths and bridleways. These PROW can be identified using Ordnance Survey (OS) maps and as part of a site visit. Furthermore, some strategically important PROW are shown on Merseyside and Halton Council's Unitary Development Plan (UDP) Proposal Maps. Statutory Definitive Maps of PROW are also held for public inspection by each Local Planning Authority. Visit the Council websites for more information.	Local Planning Authorities and Ordnance Survey	Not available.	➢ OS Opendata View	➢ Halton BC Rights of way information and advice ➢ Travelwise Public Rights of Way information for Merseyside
WM13 / WM15	**Notifiable hazard zone (COMAH**	The Notifiable Hazard Zones criterion is a point and boundary dataset derived from the HSE (Health and Safety Executive) public register of	Health and Safety	Not available.	Not available.	➢ HSE Public Register of COMAH

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	sites)	COMAH sites. A COMAH site (Control of Major Accident Hazards) could be a gas holder, pipeline or oil refinery, for example. The dataset includes lower tier and higher tier sites. The point element of the dataset is the COMAH site location. The boundary element is an indicative 200m buffer of the point representing the site area and notifiable hazard zone around the site. Note that the 'zone' element varies with each installation on the basis of HSE advice.	Executive			Establishments
WM13 / WM15	**Aerodrome safe guarding zone**	This criterion is included to assess potential birdstrike risk. The dataset contains aerodromes and airfields within Merseyside and Halton, and within a 13km buffer of the sub-region. This includes Liverpool John Lennon Airport (LJLA) and RAF Woodvale, Sefton located within the sub-region; and Hawarden Aerodrome in North Wales, Blackpool Airport, Warton Aerodrome on the Ribble Estuary; and City Airport Manchester near Eccles, located outside of the sub-region. The location of these aerodromes and airfields can be downloaded from the Department of Energy and Climate (DECC) website. The locations of LJLA and RAF Woodvale airports can also be derived from Liverpool and Sefton's Local Planning Authority Unitary Development	Civil Aviation Authority and Department of Energy and Climate Change	➢ DECC Aviation Safeguarding Maps	➢ Sefton MBC UDP proposals map	➢ Liverpool CC UDP proposals map ➢ Civil Aviation Authority birdstrike information ➢ Department for Transport guidance

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		Plan (UDPs) Proposals Maps which are available online. In addition, Ordnance Survey (OS) maps can be used. Each location is buffered to 13km denoting the area of potential bird strike risk.				
WM13 / WM15	**Major Road Junction**	Dataset containing all motorway junctions within Merseyside and Halton buffered to 1km. This dataset is derived from large scale Ordnance Survey (OS) maps.	Ordnance Survey	Not available.	➢ OS Opendata View	
WM13 / WM15	**Previously developed land**	Dataset containing previously developed land identified within the national land use database (NLUD). The Homes and Communities Agency (HCA) receive NLUD updates from the Local Planning Authorities and collate the database at a national level. The NLUD can be obtained from the HCA website. Alternatively, the glossary within the NPPF includes a comprehensive description and definition of previously developed land. This can be used alongside up to date aerial photography and/or a site visit to determine whether the site is previously developed land.	Homes and Communities Agency and Local Planning Authorities	Not available.	Not available.	➢ Homes and Communities Agency NLUD-PDL Results and Analysis ➢ Homes and Communities Agency Publications and data ➢ NPPF glossary
WM13 / WM15	**Large Energy Customer Zone**	Point dataset containing locations of large heat loads sourced from DECC's UK CHP Development Map. DECC defines large heat loads as point heat demands of greater than 5MWth which may be of interest as anchor loads for heat network development.	Department or Energy and Climate Change	Not available.	➢ DECC UK CHP Development Map	

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[4] Other data sources provides web-based information such as pdf reports, local plans, scanned maps and/or statutory agency guidance associated with the criteria

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Waste Local Plan policy	Criteria	Data description	Data owner	Web mapping services[1] GIS layer download[2]	Interactive mapping websites[3]	Other data sources[4]
		The data is buffered to 500m and 2km zones to quantify distances where synergy with waste management facilities producing energy such as Gasification or Anaerobic Digestion (AD) plants would be viable.	(DECC)			
WM13 / WM15	**Current landfill**	Boundary dataset containing current authorised landfill sites. This data includes operational and closed landfill sites undergoing restoration. This data can be viewed using the Environment Agency's interactive mapping service or public register.	Environment Agency	Not available.	➤ Environment Agency Interactive Maps: Landfill	➤ Environment Agency Public register ➤ Environment Agency Landfill Sites
WM13	**Industrial Areas**	Boundary dataset containing designated industrial, employment and business areas which are shown on Merseyside and Halton Council's Unitary Development Plan (UDP) Proposal Maps; and are available to view on the Local Planning Authority websites.	Local Planning Authorities	Not available.	➤ Knowsley UDP Proposals Map ➤ Sefton UDP Proposals Map ➤ St.Helens UDP Proposals Map ➤ Wirral UDP Proposals Map	➤ Halton UDP Proposals Map ➤ Liverpool UDP Proposals Map
WM13 / WM15	**Proximity to railway sidings**	Line dataset containing railway sidings. This data can be identified using large scale Ordnance Survey (OS) maps and/or a site visit.	Ordnance Survey	Not available.	➤ OS Opendata View	
WM13 / WM15	**Proximity to canals**	Boundary dataset containing Canals within Merseyside and Halton. This data has been derived from Ordnance Survey (OS) base maps and the Canal and River Trust (formerly British Waterways) and/or a site visit.	Canal and River Trust and Ordnance Survey	Not available.	➤ Canals and rivers map ➤ OS Opendata View	
WM13 / WM15	**Proximity to docks**	Boundary dataset containing docklands areas. This data has been derived from Ordnance	Ordnance Survey	Not available.	➤ OS Opendata View	

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Waste Local Plan policy	Criteria	Data description	Data owner	Web mapping services[1]		Other data sources[4]
				GIS layer download[2]	Interactive mapping websites[3]	
		Survey (OS) base maps and/or a site visit.				
WM13	**Access to public transport (bus stops)**	The access to public transport (bus stops) criteria is a measure of employee/visitor access to a proposed site using bus services. Point data is used to represent bus stop locations within Merseyside and Halton. This information can be obtained from web mapping services such as Transport direct find a map. Alternatively bus stop locations can be identified as part of a site visit.	MerseyTravel and Local Planning Authorities	Not available.	➢ Transport direct bus stop map ➢ Google Maps: bus stops	➢ MerseyTravel bus timetable download ➢ Bus services in Halton
WM13	**Access to public transport (rail)**	The access to public transport (rail) criteria is a measure of employee/visitor access to a proposed site using rail services. Point data is used to represent railway station locations within Merseyside and Halton which are identified on Transport direct find a map using web mapping service. Ordnance Survey (OS) maps also identify railway station locations.	MerseyTravel and Ordnance Survey	Not available.	➢ Transport direct railway stations map ➢ OS Opendata Viewer	➢ Mersey Rail Network Map
WM13	**Proximity to unemployment areas**	This criterion is derived from the Indices of Multiple Deprivation (IMD) 2010 employment domain dataset. In order to identify areas of higher unemployment in Merseyside and Halton the lower quartile most deprived Lower Super Output Areas (LSOAs) where extracted from the IMD employment domain dataset.	Communities and Local Government and Office of National Statistics	Not available.	➢ Atlas of the Indices of Deprivation 2010 for England	➢ The English Indices of Deprivation 2010 (DCLG)

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				GIS layer download[2]	**Interactive mapping websites[3]**	
		To do this, firstly you will need to download the employment domain dataset from the CLG website (Communities and Local Government) and then extract the LSOAs for Merseyside and Halton. This can be achieved by filtering out Halton, Knowsley, Liverpool, Sefton, St.Helens and Wirral rows from the spreadsheet; and should give you 983 LSOA records. Next use ONS's (Office of National Statistics) Atlas of the Indices of Deprivation 2010 to identify the LSOA code where your proposed site resides, and identify the corresponding employment rank. Return to your spreadsheet of LSOAs for Merseyside and Halton and sort the dataset (A to Z) by employment rank (where 1 is the most deprived). Then identify the lower quartile i.e. 25% most deprived LSOAs which is 983/4=245.75 (rounded up 255). These 255 LSOAs define the spatial extent of the unemployment areas criterion.				
WM13 / WM15	**Proximity to strategic routes**	Line dataset defining the Strategic Freight Route network in Merseyside and Halton. This dataset is defined by Mersey Transport Authority/Partnership and includes: Trunk Roads, Dual Carriageway, Motorway and Primary Routes. The Strategic Freight Network is shown in the	MerseyTravel and Ordnance Survey	Not available.	➢ OS Opendata View	➢ The third Local Transport Plan for Merseyside ➢ MerseyTravel Maps

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Waste Local Plan policy	Criteria	Data description	Data owner	Web mapping services[1]		Other data sources[4]
				GIS layer download[2]	**Interactive mapping websites[3]**	
		third Local Transport Plan for Merseyside; and large scale Ordnance Survey (OS) base maps can also be used to assess this criterion.				
WM13 / WM15	**Other operating waste site**	Point dataset derived from the Environment Agency's (EA) Environmental Permits and Waste Management Licences (WML) datasets. The criterion identifies operational waste management sites other than landfill which is covered by the 'current landfill' criterion. This data can be obtained by searching the EA's public register for "Environmental Permits (WML)". More information can be requested if required.	Environment Agency	Not available.	Not available.	➢ Environment Agency Public Register
WM13 / WM15	**Proximity to waste arisings (town centres)**	Boundary dataset derived from Merseyside and Halton Council's Unitary Development Plan (UDP) Proposal Maps where town/urban centre locations are defined. This data has been used as proxy for waste arisings.\n\nUDP Proposals Maps can be viewed online using the links provided.	Local Planning Authorities	Not available.	➢ Knowsley UDP Proposals Map ➢ Sefton UDP Proposals Map ➢ St.Helens UDP Proposals Map ➢ Wirral UDP Proposals Map	➢ Halton UDP Proposals Map ➢ Liverpool UDP Proposals Map
WM15	**Current Mineral Extraction Site**	Boundary dataset containing currently operational quarries. This data can be obtained by searching British Geological Survey's (BGS) web mapping service "GeoIndex". BGS also publish a list of operational mines and quarries.\n\nAlternatively, current mineral extraction sites can be identified through a planning search of mineral permissions, review of Ordnance Survey (OS)	British Geological Survey, Local Planning Authorities and Ordnance Survey	Not available.	➢ GeoIndex – Minerals map theme ➢ Halton BC My local services ➢ Sefton MBC Sefton Maps	➢ Knowsley BC PublicAccess ➢ Liverpool CC Search and track current applications ➢ St.Helens MBC Planning Applications

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				GIS layer download[2]	**Interactive mapping websites[3]**	
		base maps; and/or a site visit.				search Wirral MBC Planning applications and appeals: Quick Search Page ➤ BGS Directory of Mines and Quarries
WM15	**Former landfill**	Boundary dataset containing historic landfill sites which are no longer operational. This data can be viewed using the Environment Agency's interactive mapping service.	Environment Agency	Not available.	➤ Environment Agency Interactive Maps: Landfill	➤ Environment Agency Historic Landfill information
WM15	**Former Mineral Extraction Site**	Point dataset identifying areas of former mineral extraction where void space could remain. British Geological Survey (BGS) mineral resource maps (2005/06) used to identify inactive mineral workings in Merseyside and Halton. This information is available for a fee via the BGS website. Alternatively, former mineral extraction sites/workings can be identified by reviewing Ordnance Survey (OS) base maps; conducting a search of planning history and/or as part of a site survey.	British Geological Survey, Ordnance Survey and Local Planning Authorities	Not available.	➤ OS Opendata View ➤ Halton BC My local services ➤ Sefton MBC Sefton Maps	➤ Knowsley BC PublicAccess ➤ Liverpool CC Search and track current applications ➤ St.Helens MBC Planning Applications search ➤ Wirral MBC Planning applications and appeals: Quick Search Page ➤ BGS Mineral

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Waste Local Plan policy	Criteria	Data description	Data owner	Web mapping services[1]		Other data sources[4]
				GIS layer download[2]	Interactive mapping websites[3]	
						resource maps

For further guidance contact the Waste Local Plan team at Merseyside Environmental Advisory Service: waste.dpd@sefton.gov.uk

Reference List

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 ➢ Department for Environment, Food and Rural Affairs *AQMA maps:* http://aqma.defra.gov.uk/maps.php Accessed: 01/10/12
 ➢ English Heritage *The National Heritage List for England Map Search* http://list.english-heritage.org.uk/mapsearch.aspx Accessed: 25/09/12

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- Civil Aviation Authority *Airports* http://www.caa.co.uk/default.aspx?catid=375 Accessed: 01/10/12

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Merseyside Environmental Advisory Service
Joint Merseyside and Halton Waste Local Plan
Email: waste.dpd@sefton.gov.uk

- Natural England *Special Protection Areas (SPAs)*
  http://www.naturalengland.org.uk/ourwork/conservation/designatedareas/spa/default.aspx Accessed: 25/09/12
- Sefton Metropolitan Borough Council *Schools and colleges* http://www.sefton.gov.uk/default.aspx?page=1771 Accessed: 28/09/12
- St.Helens Metropolitan Borough Council *Find your school* http://www.sthelens.gov.uk/what-we-do/schools-and-education/schools-in-st-helens/ Accessed: 28/09/12
- St.Helens Metropolitan Borough Council *Planning – applications search* http://www.sthelens.gov.uk/what-we-do/planning-and-building-control/planning/ Accessed: 01/10/12
- The National Archives *Water Resources Act 1991* http://www.legislation.gov.uk/ukpga/1991/57/section/104 Accessed: 01/10/12
- Travelwise *Public Rights of Way* http://www.letstravelwise.org/content66_Public-Rights-of-Way.html Accessed: 01/10/12
- Travelwise *Local Transport Plan 3* http://www.letstravelwise.org/content206_Local-Transport-Plan-3.html Accessed: 01/10/12
- Unesco *World Heritage List* http://whc.unesco.org/en/list Accessed: 25/09/12
- Wirral Metropolitan Borough Council *Planning Applications and Appeals – Quick Search Page*
  http://www.wirral.gov.uk/planning/DC/AcolNetCGI.gov Accessed: 01/10/12
- Wirral Metropolitan Borough Council *Conservation areas* http://www.wirral.gov.uk/my-services/environment-and-planning/built-conservation/conservation-areas Accessed: 01/10/12
- Wirral Metropolitan Borough Council *Schools and colleges* http://www.wirral.gov.uk/my-services/childrens-services/education-and-learning/schools-and-colleges Accessed: 28/09/12

[1] Web mapping services (WMS) are websites which allow you to view and/or download spatial GIS (Geographic Information Systems) layers
[2] GIS layer download identifies statutory agency websites (e.g. Natural England) where spatial data can be downloaded free of charge and used in desktop GIS such as Pitney Bowes MapInfo or ESRI ArcMap. Therefore "not available" means the criteria cannot be downloaded in a GIS format from statutory agency websites
[3] Interactive mapping websites allow spatial GIS layers to viewed on a map but not downloaded and used in a desktop GIS
[4] Other data sources provides web-based information such as pdf reports, local plans, scanned maps and/or statutory agency guidance associated with the criteria