



Waste Core Strategy Site Options Consultation

Waste Site Assessment

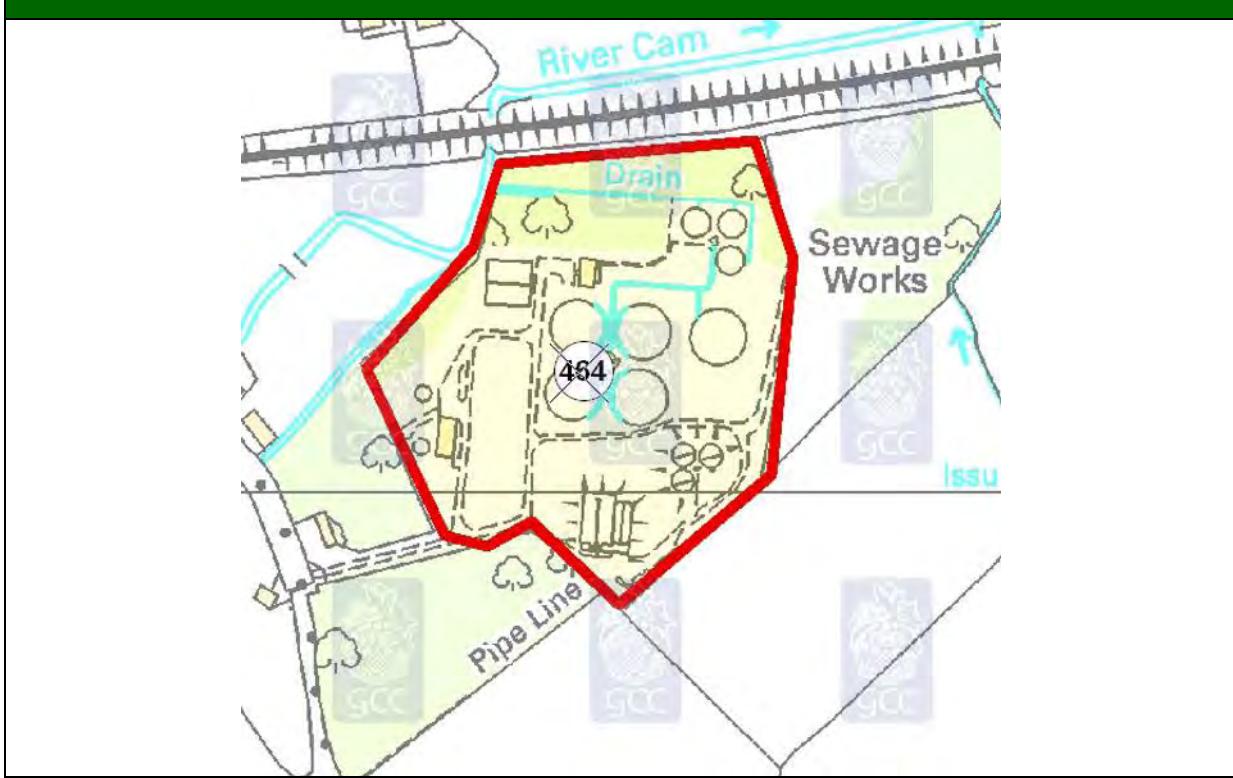
Appendix C.61: Site 464 - Coaley STW

October 2009

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Site Maps and Images

Site Map



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Aerial Photo



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Site Images



Locational Information

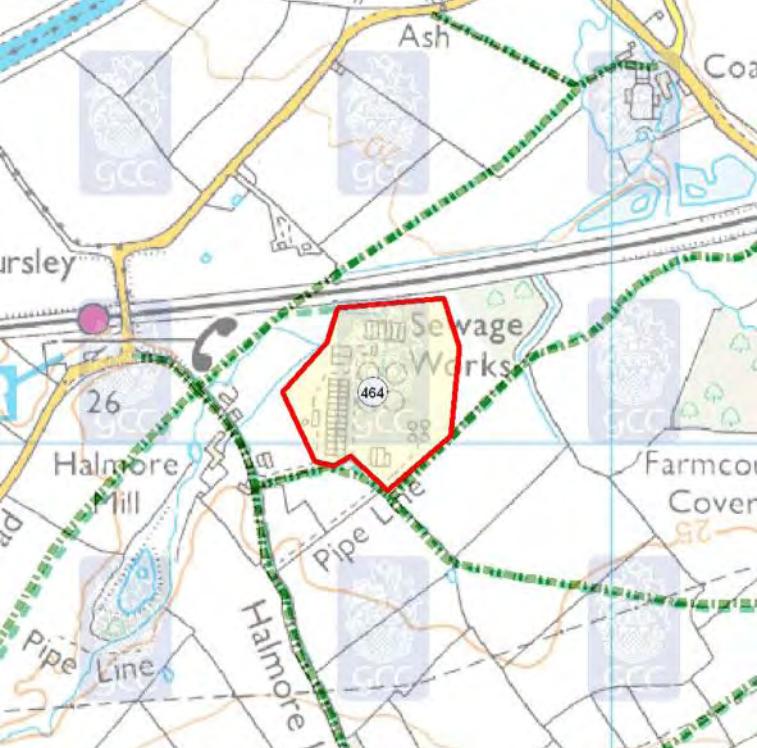
Site Details			
District	Stroud		
Parish	Coaley		
Easting	375690	Northing	202073
Approximate Site Area (hectares)	4		
Reasons for inclusion <i>NB: Slight anomalies in site boundaries may have arisen from 'clustering' of sites from more than one source and/or the absence of detailed site plans in source documents.</i>	The site contains existing waste management facilities.		
Date of WPA officer visit	12th September 2008		
Broad Description of Site (including current activities on site, location and neighbouring uses)	<p>The site is a sewage treatment works surrounded by a small area of woodland/farmland. The railway line runs to the north boundary. Potential flooding issues on this site - to be confirmed by the SFRA. Located on a single track no through road accessed from a minor road near Cam & Dursley train station. Nearby farms and residential properties in fairly close proximity, but the site is quite well screened with mature trees and shrubs.</p> <p>Additional Sensitive Receptors: None.</p>		

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Site Assessment Factors/Criteria for Consideration

Landscape			
Comments	The site is located on land that has been developed and is not within or adjacent to a national landscape designation such as AONB.		
Landscape Character	Vale of Berkeley, Settled Unwooded Vale.		
Green Belt			
Comments	The site is outside of the Gloucester/Cheltenham Green Belt.		
Highways <i>(Based on information provided by Gloucestershire County Council's Highways Development Co-ordination team)</i>			
Routes to access Strategic Network <i>This denotes the assumed roads that would be used in order for vehicles to travel to and from the proposed site and the wider road network.</i>	u/c, A38/A4135		
Proximity to Strategic Highway Network <i>Assessment of the proximity of the site to different types of road (as specific entrance points are not known have made assumptions about where entrance might be), with reference to the GCC Advisory Freight Route Map (notwithstanding obvious changes arising from new roads etc).</i>	Low	Definition	Access via other roads (not involving trips through AONB).
Sustainable Transport <i>Potential for operational access to the site to be by (or involve) non-road modes of transport, based on broad consideration of distance from water/rail and general location, rather than knowledge that it may or may not be technically practical.</i>	High	Definition	Site has potential for rail and/or water based transport to play a significant role (site will generally back directly on to water/rail).
Employee Accessibility <i>Potential for employees to be able to access the site using non-car modes.</i>	Low	Definition	Site is located some distance from residential areas, and has limited scope for non-car access.
Other Transport Issues <i>This column comments on any other relevant transport issues for the site, which will have partly arisen from discussions with area/stakeholder managers.</i>	Difficult/complex access with Box Rd - railway, HGV issues.		
Recommendation <i>This category provides an overall view of the potential of the site to be used as a strategic waste facility in transport terms.</i>	Not Take Forward	Definition	Consider that site has no potential in transport terms and recommend it is not considered further. In general terms the Not Take Forward category will comprise those sites with a Low or Poor answer for Strategic Highway Access and a Low score for Sustainable Transport, although the overall view for each site will also depend on other relevant local factors

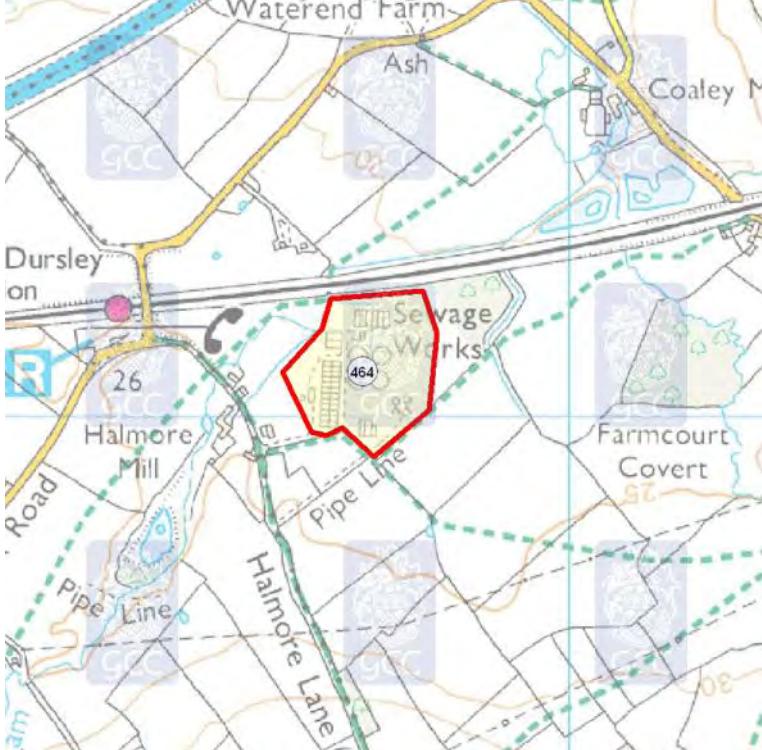
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Public Rights of Way <i>(Based on information provided by Gloucestershire County Council's Public Rights of Way (PRoW) team)</i>	
Score	-
Score Definition	Impact on the Public Rights of Way network with some minor re-routing required.
Additional Comments	No diversion necessary - No enhancements likely.
Map Legend	 Public Right of Way
PRoW Map	

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Aerodrome Safeguarding <i>(based on safeguarding maps provided by Gloucestershire Airport and the Ministry of Defence (MOD))</i>	
Comments	The site lies outside all safeguarding zones.
NB. Where a site lies across more than one safeguarding zone the entire site has been defaulted to lowest height category for consultation.	

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Ecology/Biodiversity (Based on information provided by Gloucestershire County Council's Ecologist and the Gloucestershire Centre for Environmental Records (GCER))	
Score	+*
Score Definition	Overall impact on biodiversity could be potentially uncertain or positive. Identified important ecological constraint greater than 250 metres and up to and including 1km distant Scores 0* indicate designated aquifer fed/surface water/flood water dependent site(s) over 1km distant which may be affected (where chosen waste technology and development design poses a risk to the water environment)
Additional Comments	Scores with * indicate designated aquifer fed/surface water/flood water dependent site(s) over 1km distant which may be affected, site as named above.
Nearby Internationally & Nationally Designated Sites Recorded	None
Other Internationally & Nationally Designated Sites (wetlands)	Severn Estuary SAC/SPA/Ramsar/SSSI [6,800m]
Ecology Legend	<ul style="list-style-type: none"> SSSI Site of Special Scientific Interest Key Wildlife Site - area SAC Site Ramsar Site SPA Site
Constraints Map	

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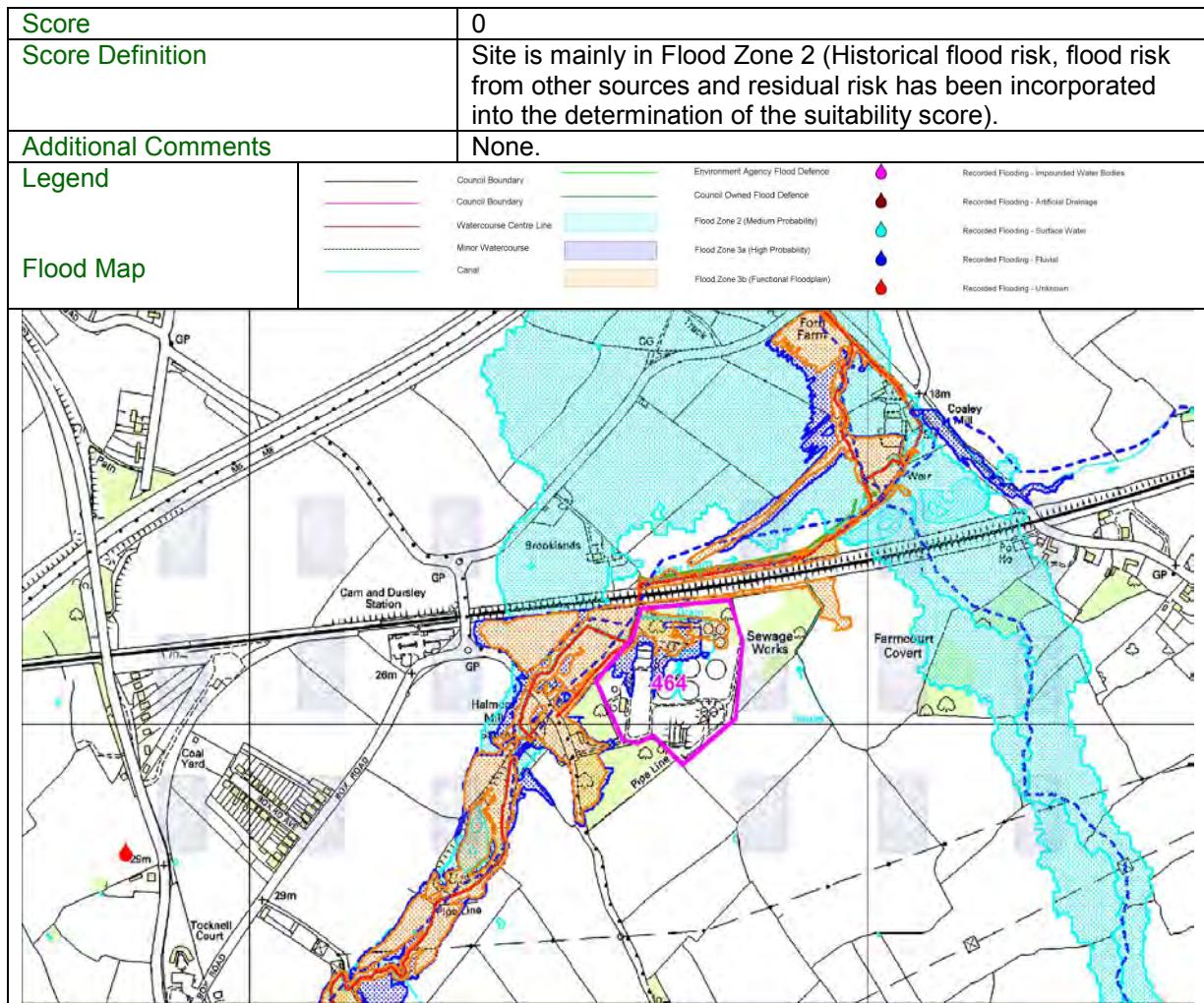
Geodiversity <i>(Based on information provided by the Gloucestershire Geology Trust at the Geological Records Centre)</i>	
Comments	There were no recorded geological features on the site or within 250m of its boundary.

Archaeology and the Historic Environment <i>(Based on information provided by Gloucestershire County Council's Archaeology team)</i>	
Score	++
Score Definition	<p>The site fulfils one or more of the following:-</p> <ul style="list-style-type: none"> * No known historical or archaeological remains * Has no known archaeological potential * Previous development is known to have removed archaeological deposits from all or part of the site
Additional Comments	No known archaeology on the site, although this could survive in undeveloped areas.

Contaminated Land <i>(Based on information provided by the appropriate district council)</i>	
Comment	The site or adjoining land is not classified as 'contaminated land' under the Environment Act 1995, but Stroud District Council identified the site as a site of potential concern. The following comments have been added "No remediation plans have been considered for the site" and "Re-development would provide an opportunity for investigation and remediation of the site."

Flood Risk <i>(Based on information provided by Halcrow)</i>	
Site Description	A drain is located in the northern extent of the site. The River Cam is located along the western boundary of the site but does not enter the site itself. A railway line is located along the northern boundary of the site.
Watercourse(s)	River Cam and Unnamed Drain
Flood Zone	1,2 3a and 3b
Flood Zone Information (Method used to derive Flood Zones & Confidence in Flood Zone information)	Modelled Flood Zone data exists for Flood Zones 3a and 3b and are deemed suitable for FRA. Flood Zone 2 is JFLOW modelled and not robust for a FRA. Flood Zone 2 has been used to represent the 100 year climate change scenario. The extent of flooding is expected to increase in the future. No Flood Zones have been produced for the unnamed drains.
Fluvial Flood Risk Posed to Site (including climate change)	Flood risk to the site is from the River Cam. The northern part of the site is affected by Flood Zones 2, 3a and 3b. Flood extent is expected to increase with climate change, In reality some flood risk is posed from the unnamed drain
Historic Flooding/Flooding From Other Sources	There are no historic flood outlines affecting the site and there are no recorded incidents of flooding from other sources such as groundwater and surface water within the site.
Canals (Raised - breach/overtopping)	No canals exist in or adjacent to the site.
Flood Defences (Location/Type/SoP/Residual Risk)	No defences are known to exist in the site.
Culverts (Location/Type/Watercourse/Residual Risk)	No culverts are known to exist within the site, although this should be verified on site. The River Cam is culverted through the railway line along the northern boundary of the site. Water appears to back up behind the culvert affecting the site. There ma

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Source Protection Zones (SPZs)

Comments	N/A
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Groundwater/Aquifer details

Comments	Site 464 is mostly lying over a Minor Aquifer Intermediate 1. The site is also within 250m of a Minor Aquifer High (H3).
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Land Ownership and General Deliverability Issues (Based on research undertaken in-house)

At this stage the deliverability of the site is unknown.
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General Comments

Officer comments: Severn Trent would need to be consulted as to the deliverability of the site.

PRoW: Further consultation would be required in order to assess any potential impacts upon the above mentioned areas.

Contaminated Land: Further investigative work may be required.

Groundwater/Aquifer: Information would be required from the Environment Agency as to the potential impacts upon the above mentioned areas.

Potential for Further Discussion within the WCS

Gloucestershire County Council's Highways Development Coordination officers recommended that the site is not considered any further within the WCS and there is also significant flood risk issues associated with the site. Therefore it is felt that this site should not be taken forward into the WCS for further consideration.