

WORCESTERSHIRE COUNTY COUNCIL

**MINERALS AND WASTE
DEVELOPMENT FRAMEWORK**

**SUSTAINABILITY APPRAISAL OF WASTE CORE STRATEGY:
ISSUES AND OPTIONS**



September 2005



worcestershire
countycouncil

For Consultation

**Worcestershire County Council
Minerals and Waste Development
Framework**

**Sustainability Appraisal
Waste Core Strategy**

Issues and Options

September 2005

Para No.	Contents	Page No
1	Introduction	1
1.2	What is the Waste Core Strategy	1
1.6	What is Sustainability Appraisal	1
1.11	Purpose of this report	2
1.14	Confidence and Limitations	3
1.16	Consultation Arrangements	3
2	Methodology	5
3	Conclusions of the Assessment	7
4	Next Steps: Appraisal of the Preferred Option	14
 Appendices		
1	Strategic Environmental Assessment Directive Requirements	15
2	Comments received as part of the Scoping Report Consultation	16
3	Decision making criteria for the Sustainability objectives	19
4	Full results of the Sustainability Appraisal of the Issues and Options	23

1. INTRODUCTION

- 1.1 This report represents the second stage of the Sustainability Appraisal process that is being undertaken in parallel with the preparation Waste Core Strategy. It follows on from the Scoping Report that was published and consulted on in July 2005. This report is to be read in context of the scoping report and in conjunction with the Issues and Option papers for the Waste Core Strategy.

What is the Waste Core Strategy?

- 1.2 The County Council is responsible for preparing, monitoring and keeping up to date a Minerals and Waste Development Framework. In time the framework will comprise a portfolio of documents. The immediate priority of the Council is to concentrate on the Waste Development Documents and in particular the preparation of the Waste Core Strategy, which will set out the vision, objectives, policies and monitoring and implementation framework for waste management facilities in the County to 2021. It will set out broad locations and establish criteria for assessing proposals but will **not** include specific land allocations for land use. The timetable for the preparation of the Waste Core Strategy is detailed in the Minerals and Waste Development Scheme, which can be viewed at: <http://www.worcestershire.gov.uk/strategicplanning>
- 1.3 The basis for preparing the Waste Core Strategy is the Best Practicable Environmental Option (BPEO), which was endorsed by the Council in July 2003. The BPEO process considered the relative merits of various waste management options, taking into account the following eight environmental criteria:
- Energy use
 - Contribution to acid rain
 - Pollution of surface and ground water (eutrophication)
 - Emissions harmful to human health (human toxicity)
 - Resource depletion
 - Contribution to greenhouse effect
 - Contribution to ozone depletion
 - Contribution to smog formation (photochemical oxidant formation)
- 1.4 Two local environmental factors were also used as criteria as part of the BPEO assessment:
- Transport distance
 - Landtake
- 1.5 Following the issues and options paper which this report accompanies, a preferred option for how the Waste Core Strategy should be prepared will be published.

What is Sustainability Appraisal?

- 1.6 Sustainability Appraisal of all development plan documents within the Development Framework is a requirement of the Planning and

Compulsory Purchase Act (2004). The purpose of sustainability appraisal is to appraise the social, environmental and economic effects of the development plan documents from the outset of their preparation with the aim that decisions are made that accord with the Government's five principles of sustainable development:

- Living within environmental limits
- Ensuring a strong, healthy & just society
- Achieving a sustainable economy
- Promoting good governance
- Using sound science responsibly

1.7 The appraisal process, which will be commensurate with the scope of the Waste Core Strategy, will culminate in the production of a Sustainability Report. The report will describe the process undertaken, give reasons for any decisions made in light of other reasonable alternatives and state the predicted implications, positive and negative, of the preferred approach advanced within the Waste Core Strategy. The effects of the Waste Core Strategy upon each of the sustainability objectives, is to be considered in terms of its short, medium and long nature as well as the secondary, cumulative and synergistic effects.

1.8 Although the Sustainability Report will not formally form part of the Waste Core Strategy, it will provide one of the key tests against which a Planning Inspector will examine the soundness of the Waste Core Strategy.

1.9 Incorporated in the Sustainability Appraisal are the requirements of Strategic Environmental Assessment (SEA) Directive to which the Waste Core Strategy is subject. The objective of the SEA is:

To provide for a high level of protection of the environment and to contribute to the integration of environmental considerations into the preparation and adoption of plans and programmes with a view to promoting sustainable development.

1.10 The process of undertaking SA and SEA have strong similarities in that they both require systematic and transparent assessment of sustainability and environmental impacts respectively. As the SA will address environmental issues the requirements of SEA are incorporated into the SA process thus making a unified assessment. The requirements of the SEA Environment Report will be signposted within the Sustainability Report and its predecessor reports as an appendix item (see appendix 1)

Purpose of this report

1.11 The Scoping Report prepared in advance of this report outlined each of the stages of the sustainability appraisal. This report represents stage B of the 5-stage process as outlined on page 13 of the Scoping Report, namely appraising issues and options and then consulting on the SA of the emerging options.

1.12 The County Council have prepared a paper detailing the issues facing the County relevant to the Waste Core Strategy and the Options for how to

address these issues. In this report, prepared by the County Council, the outcome of the **broad** sustainability appraisal for each option is documented. The appraisal process involves assessing the impact of each of the options within the issues and options paper against the SA objectives listed in the Scoping Report. In doing so the report provides decision makers, the public, stakeholders and interested bodies with information to assist consideration of which options could be eliminated and which are most likely to offer the most sustainable approach to waste management within the County up to 2021.

- 1.13 The second half of the report outlines the activities that will be undertaken in the stage of the appraisal process once the preferred option for the way forward of the Waste Strategy has been selected.

Confidence and Limitations

- 1.14 The Report has been prepared with regard to the guidance from the ODPM in the form of Sustainability Appraisal of Regional Strategies and Local Development Frameworks: Consultation Paper, September 2004 and Interim advice note on frequently asked questions issued in April 2005.
- 1.15 In undertaking the appraisal it is to be recognised that at this stage only a broad appraisal has been undertaken. The level of detail at this stage, and through out the process, is required to be appropriate to the spatial scale and level of detail of the Waste Core Strategy. Therefore the appraisal has been undertaken at a strategic countywide scale. The prediction and assessment of effects is associated with uncertainty and is based on best available information at the time of the appraisal.

Consultation Arrangements

- 1.16 As part of the consultation on the Issues and Options paper the Council are also seeking comments on the appraisal of the sustainability effects of each of the options. Any comments as part of the Issue and Options consultation in respect to the Sustainability Appraisal should be clearly referenced as such and may wish to address the following points:
- Are the predictions of how the options may perform against each of the objectives reasonable in terms of timescale and permanence?
 - Have the appropriate decision-making criteria (appendix 3) been selected?
 - Is the significance of the effect reasonable in its prediction?
 - Is the certainty of the prediction reasonable? If not what further information do you suggest is required to overcome uncertainties?
 - Is the assumptions/evidence for the prediction made clear?
 - Are the recommendations for mitigation and enhancement appropriate and appropriate?
 - Are the summaries of the impacts predicted for each option clear?
 - Is the remaining process for the SA clear?
- 1.17 Consultation will be taking place with interested organisations, stakeholders, statutory consultees and will be available for public

comment via the Councils website and at libraries, County Hall reception, one stop shops and District Council local planning authority offices.

2. METHODOLOGY

- 2.1 The Waste Core Strategy Issues and Options paper sets out the principal planning issues. It is the purpose of the sustainability appraisal to predict the sustainability implications of issues and options. This is undertaken by evaluating the extent to which the options stated in the Issues and Options report support the objectives as defined in the Scoping Report. Prior to undertaking this Appraisal, consultation was undertaken on the content within the Scoping Report with English Heritage, Environment Agency, English Nature and the Countryside Agency as well as Learning and Skills Council, Advantage West Midlands, Worcestershire Wildlife Trust, Community First, Primary Care Trust, Health Protection Agency, Chamber of Commerce.
- 2.2 Although providing guidance as to the overall direction, in undertaking the initial appraisal it was found that the generic headline objectives in the scoping report were of too broad a nature. In light of this, the appraisal process has focused solely on the sub objectives as they define the sustainability goals Waste Core Strategy can seek to achieve.
- 2.3 As made clear within the Scoping Report the process is one very much of an iterative process. Following the feedback from the consultation on the Scoping Report (see appendix 2) when revisiting the objectives as part of the appraisal process, there were the following wording changes:
- Delete the climate change sub objective relating to flood risk and replace with *Minimise biodegradable waste going to landfill*. A sub objective is included within the Natural Resources issue of *ensuring development does not occur in flood prone areas*.
 - Amend sub objective 10a to *Encourage design that reduces visual intrusion and is sensitive to the local vernacular, as defined by the county landscape character assessment and conservation area appraisals*
 - Amend objective 13 to *Provide housing of the right quantity, type, and tenure ensuring affordability for local needs, in a clean, safe and pleasant local environment*.
 - Amend sub objective 13a to *Encourage the use of sustainable building technologies in new housing developments in particular the re-use of construction and demolition waste*
 - Amend objective 15 to *Conserve and enhance the historic environment and encourage the re-use of existing buildings*
 - Amend sub objective 15b to *The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains*
- 2.4 Revisions to the Sustainability Framework have also included changes to The targets and indicators for the objectives:
- Sub objective 8 indicator to include *Number of new waste facilities developed in the flood prone areas*
 - Sub objective 13 indicator to include *Number of new housing developments with a Bring Recycling Centre provided*

- Sub objective 14 indicator *Voluntary activity through participation levels in recycling and training opportunities at Centre of Vocational Excellence (CoVEs)*
- Objective 15 indicator to include *Re –use and renewal of buildings of historic interest*
- Sub objective 15 indicator to include *Number of buildings on the local (District) at- risk registers*

2.5 A significant addition to the SA framework and one that aids the appraisal was the introduction of a set of decision-making criteria that enables a judgement to be made on whether each Option within the Issues and Options Paper supports or conflicts with the sub objective. The decision-making criteria are shown in appendix 3. As part of the wider consultation on the Issues and Options paper and the Sustainability Appraisal the decision-making criteria are a significant part of the process and as part of the consultation comments upon their suitability are welcomed.

2.6 Identified within the appraisal of the options is the 'business as usual' option so as to enable comparison with the current state and also to consider how we can enhance current practices. All the options that are assessed as part of the appraisal are deemed to be reasonable, realistic and relevant.

2.7 The appraisal of each of the options has been undertaken by 'scoring' the effect of each option against the sub objective over the short (within 5 years), medium (5 years to end of plan period) and long term (beyond plan period). An indication is given as to whether the effect is predicted to be temporary or permanent. The likely significance of the effect, determined through predicting of the magnitude, impact and likelihood of the effect, is shown by the following symbols:

++ Significant positive effect	+ Positive effect	-- Significant negative effect	- Negative effect	0 Neutral effect	? Uncertain effect
---	------------------------------------	---	------------------------------------	-----------------------------------	-------------------------------------

2.8 Justifications, and assumptions made, in making the evaluations are stated along with an indication of the level of probability of the prediction occurring. The full results of the appraisal of the options within the Waste Core Strategy Issues and Options report can be viewed in Appendix 4.

2.9 Those objectives ranked as being of greatest priority within the hierarchy of the objectives, as defined within the scoping report, have been colour coded to show which are priority (from red, orange then yellow). A good performance of an option against the red high priority objectives is thus more likely to be recommended as preferred option for the Waste Core Strategy to advance e.g. (++) . This enables focus to be made on where the Waste Core Strategy has its most significant effect.

3. CONCLUSIONS OF THE ASSESSMENT

3.1 Each of the options put forward in the Issues and Options paper for the Waste Core Strategy has been assessed against the sub objectives within the Sustainability Appraisal Scoping Report. The full assessment is set out in Appendix 4.

3.2 The options for the Waste Core Strategy as set out in the Issues and Options report are:

A)	Greenbelt <ol style="list-style-type: none"> Any new Waste Management Facility is inappropriate (Unless exceptional circumstances are justified). New waste development in greenbelt is appropriate when i) on previously developed land and ii) accordance with the objectives of PPG2 New waste development is appropriate anywhere when in accordance with the objectives PPG2
B)	Urban/Rural <ol style="list-style-type: none"> Focus is on development in urban locations throughout Worcestershire with justified/minimal development in rural locations. Focus is split evenly between urban and rural development. Focus is on development in rural locations with justified/minimal development in urban locations
C)	Small/Large Facility <ol style="list-style-type: none"> Primarily large waste management facilities Even split of large and small waste management facilities Primarily small waste management facilities
D)	Central/Dispersed <ol style="list-style-type: none"> Focus on centralising facilities but with dispersed facilities if justified Even split between central and dispersed facilities Focus on dispersing facilities but with a county wide/central service facility if justified
E)	BPEO <ol style="list-style-type: none"> Accept BPEO

3.3 Those objectives the options for the Waste Strategy is forecast as being most likely to have a positive or negative effect upon include:

Sub Objective	Issues affected by objectives (and the best option for each objective)
Ensure the disposal of waste as close to point of origin as practicable	Green Belt (2 or 3) Urban/Rural (2)
Promote transfer of waste by rail or water transport where appropriate	Green Belt (3) Urban / Rural (n/a) Small/Large facilities (1) Central/ Dispersed (1)
Cultural heritage, built design and archaeology	Small/Large facilities (1)
In accordance with the waste hierarchy support the generation of energy from waste	Urban /Rural (1) Small/Large facilities (1 or 2)
Minimise the creation of dust, odour and	Urban/Rural (3)

noise and other pollutants in the vicinity of waste facilities	
To provide opportunities for communities to participate in and contribute to waste planning	Green Belt (2 or 3) Urban/Rural (1 or 2)
To improve accessibility to kerbside recycling and civic amenity sites	Urban/Rural (2)
Encourage the use of sustainable building technologies in new housing developments in particular the re-use of construction and demolition waste	Urban/Rural (1 or 2)
To encourage engagement in community/environmentally responsible activities	Urban /Rural (1or 2) Central/Dispersed
Reduce the number of fly tipping incidents	Green Belt (2 or 3) Urban/Rural (1or 2) Central/Dispersed (3)
To encourage business development within the waste sector to achieve Government targets for waste	Green Belt (2 or 3) Urban/Rural (n/a)
To encourage rural regeneration	Green Belt (2 or 3) Urban/Rural (3)
To make an economic gain from the recovery and treatment of waste streams	Green Belt (2or 3) Urban/Rural (n/a) Central/Dispersed (n/a)

3.4 As previously identified through the scoping report there is a concern at the lack of baseline data against which predictions can be confidently made as to the performance of the options against many of the objectives. The appraisal is also limited by difficulties in predicting with certainty the effects of the options on the objectives over the different timescales. Those objectives for which it was unclear as to the effect of the options are listed below:

Uncertain effect on the following sub objective	Issue and Option
Ensure the disposal of waste as close to point of origin as practicable	Small Large facilities (all) Central Dispersed (all)
Promote transfer of waste by rail or water transport where appropriate	Central Dispersed (Option 2)
Promote design concepts for new buildings that are informed by the local vernacular	Small/Large facilities (3)
To support the reuse of construction materials	Urban/Rural (all)
Encourage design that reduces visual intrusion and is sensitive to the local vernacular, as defined by the County Landscape Character Assessment and Conservation Area appraisals	Central/Dispersed (all) Small/Large facilities (all)
To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	Green Belt (all) Urban/Rural (all) Small/Large facilities (all)

	Central/Dispersed (all)
In accordance with the waste hierarchy support the generation of energy from waste	Green Belt (all)
Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste facilities	Green Belt (all)
To improve accessibility to kerbside recycling and civic amenity sites	Green Belt (2 & 3)
To reduce respiratory diseases/allergy related illness	Green Belt (all)
To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	Green Belt (all)
Encourage the use of sustainable building technologies in new housing developments in particular the reuse of construction and demolition waste	Green Belt (all) Central/Dispersed (all)
Reduce the number of fly tipping incidents	Green Belt (1)
To encourage rural regeneration	Green Belt (1) Central/Dispersed (all)
To make an economic gain from the recovery and treatment of waste streams	Small/Large facilities (all)

3.5 Some of the above uncertainties are due to reasons of scale and timing of implementation. For example forecasting the effects of the options upon biodiversity is not considered feasible at this stage, as information relating to site selection is needed. For others there is a need to gather more baseline data. It is anticipated that the appraisal will become more refined and the uncertainties reduced with feedback from the consultation that will be undertaken alongside the Issues and Options paper. For many of the sustainability objectives there is shown to be a neutral effect implying that there is forecast to be no impact, positive or negative on realising the sustainability objective by the option.

3.6 The key differences emerging from the appraisal, as determined by the effect on the sustainability objectives (shown in bold), between the options, are seen as being:

Issue A – Development in the Green Belt

3.7 **Transport** is a priority objective and the sub objective to **treat waste, as close to its point of origin** is best served by options 2 and 3. Option 1 has a negative outcome as the major population areas and thus origins of waste within the County are adjacent to the greenbelt. Exclusion of the greenbelt as advocated by option1 would therefore potentially increase travel distances for disposal of waste. The other sub objective relating to **transfer of waste by rail or water** is best served by option 3 since it does not restrict the site selection for development of water and or rail infrastructure needed to transport waste whereas options 1 and 2 impose restrictions, although it should be noted that the transfer of waste is not totally restricted by these options.

- 3.8 A neutral effect is anticipated for all options in relation to the priority objective of **providing opportunity to participate in waste planning**. However option 1 incurs a negative score, as there may be reduced awareness of those living within or near to the greenbelt of consultation activities that are being undertaken.
- 3.9 A similar outcome to that above is likely with the **access to services** objective whereby limiting development of waste management facilities within the green belt will reduce accessibility to civic amenity sites. Thus option 1 scores a negative response.
- 3.10 Options 2 and 3 offer positive contributions to the objective of **reducing fly tipping** as they provide facilities within the greenbelt that may counter incidences of fly tipping. Option 1 is classified as being uncertain in its contribution the objective as locations are not known and could feasibly be found within close proximity to urban areas.
- 3.11 **Growth with prosperity for all** is a priority objective and is best achieved by options 2 and 3, which encourage business development within the green belt where appropriate. Option 1 however neither encourages nor discourages business development; it simply displaces the location of the enterprise. Likewise the sub objectives to **encourage rural regeneration**. A similar outcome arises from the medium priority sub objective of making **economic gain from the treatment of waste**.

On balance the most sustainable option is: new waste development is appropriate anywhere when in accordance with the objectives of PPG2.

Issue B – Urban and Rural

- 3.12 For the **transport** sub objective, which is a high priority, relating to **disposal of waste as close to point of origin as practicable**, options 1 and 2 are forecast as being significantly positive for sustainability due to their urban location, and have a high certainty of the effect occurring. Option 3 in contrast is forecast as having a significantly negative effect on sustainability due to its rural location. The likelihood however is medium, as the opportunity could exist to develop rural land in close proximity to urban areas.
- 3.13 The **Energy generation** objective is of medium priority. Option 1 has a significantly positive effect upon the objective due to its market viability within an urban location and potential to connect to the national grid. Options 2 and 3 are also positive but the certainty and magnitude of the effect is less due to the rural components within the options lessening the market viability.
- 3.14 Option 1 and 2 for the **natural resources** sub objective, a medium priority, forecast over the short and medium term to have a temporary negative effect but is uncertain whether this effects over the long term would be lessened. Likewise the effects of option 3 on the objective are uncertain due to low population density within rural areas.
- 3.15 The objective of **access to services** is ranked of medium priority for sustainable development. Option 2 scores very well for the sub objective,

with medium certainty in its forecasting, due to no discrimination in favour of either rural or urban populations. Options 1 and 3 are positive for the populations they serve but do discriminate against those not within those areas.

- 3.16 For the **Population 2** objective, which is of low priority, options 1 and 2 score significantly positive with medium to high certainty of this being realised due to the provision of waste management facilities in urban locations. However option 3 scores negatively due to the tendency to lead to an increase in fly tipping should waste management facilities be located at distance from major centre of population.

On balance the most sustainable option is: Option 1, preference for urban locations with minimal rural locations for waste management facilities which is the one that represents business as usual / current practice

Issue C. - Small or/and large facilities

- 3.17 Under option 1, the priority **Climate Change** objective of maximising opportunities to generate power from methane at landfill scored significantly positive, option 2 positive and option 3 negative. The **Transport** objective is of high priority. For all options there is uncertainty as to the impact of the sub objective **relating to disposal of waste as close to point of origin** as there are too many variables to make any prediction with any level of certainty. Regarding the other sub objective, **transfer of waste by rail and water**, on account of economies of scale and investment needed the fulfilment of this objective necessitates large facilities option 1, with a high level of certainty, is forecast to be significantly positive in achieving this objective. For the same reasons option 2 is unlikely to realise the objective whilst option 3 is very unlikely to achieve this priority sub objective.
- 3.18 Option 1 scored negatively in terms of achieving the sub objective of **cultural heritage**, as there is increased potential for a large facility to impact on the townscape. However this will inevitably be a matter dependent upon site selection and all waste management facilities should mitigate their impact through appropriate design solutions. Option 2 also has potential to be negative but is less certain as the option does not state a preference for large or small facilities. Subsequently option 3 in promoting primarily small facilities is less likely to have a negative impact on **cultural heritage assets** but as before this cannot be said with certainty until the site selection process.
- 3.19 Options 1 and 2 score positively in terms of meeting the objective of **seeking the generation of energy from waste** where this accords with the waste hierarchy. Option 3 scores negatively as small facilities are less likely to be economically viable in generating energy from waste on a sustainable commercial basis.

On balance the most sustainable option is: Primarily large facilities

Issue D - Central and or dispersed pattern

- 3.20 **Transportation** is a priority objective. Option 1, centralizing of facilities, is forecast to have a significant positive contribution towards achieving the objective of **transporting waste by rail and water** since the cost of installing infrastructure to enable the transportation of waste by rail and water would be more economically viable when facilities are centralised. Option 3 is judged to be significantly negative for the opposing reason with option 2 being uncertain but with potential positive impact if site selection maximises available opportunities for transfer of waste by rail or water.
- 3.21 For the medium priority objective, **energy generation from waste in accordance with the waste hierarchy**, options 1 and 2 are positive in its realisation, the former being significantly so on account of the anticipated economic benefits and volumes of waste processed by centralised facilities. Option 3 is viewed as negative as a wider network of facilities would be unlikely to process sufficient volumes of waste at the individual waste management facilities to have viable energy generation.
- 3.22 **Participation by all** is a high priority objective and will be central throughout the preparation of the Waste Core Strategy. Option 3, promoting dispersal of facilities, is likely to bring the issue of waste management to the attention of a greater number of persons through the media and consultation events and thus indirectly contributing towards the sub objective of **involving communities in waste planning decisions** hence achieving a positive score. Option 1 by centralising facilities is assigned a negative score on the simple basis that fewer areas in the County would be subject to media coverage and consultation.
- 3.23 **Accessibility to kerbside recycling and civic amenity sites** is a medium priority objective that is forecast to be significantly achieved by option 3. This is on the basis that dispersal of facilities improves accessibility to civic amenity sites. The centralisation of facilities that is associated with option 1 may mean that those living at distance may be less well served if the transportation costs of kerbside recycling operators were to increase.

Option 3 is significantly positive in realising the sub objective of **reducing the number of fly tipping incidents** as dispersed facilities mean that there is greater opportunity to access and dispose of waste at near by civic amenity sites. Centralisation, option 1 has the opposite effect resulting in longer journeys and increased likelihood of occurrences of fly tipping.

On balance the most sustainable option is: Focus on centralising of facilities with few dispersed facilities

Issue E - Impact of the adopted BPEO strategy

- 3.24 The BPEO process considered the relative merits of various waste management options, taking into account the conservation of environment across land, air and water, to help identify the best option for the County. Adoption of the BPEO recommended solution has a significantly positive

effect on the objectives of waste minimisation, minimising biodegradable waste going to landfill, supporting the reuse of construction materials, supporting the generation of energy from waste, encouraging business developments within the waste sector and making an economic gain from the recovery and treatment of waste.

On balance the most sustainable option is: Proceeding with the BPEO recommendations and principles is preferable to disregarding them.

- 3.25 The Sustainability Appraisal Report of the preferred option for the Waste Core Strategy will include a detailed statement on how the effects forecast by the appraisal are proposed to be mitigated, or enhanced, as appropriate in order that sustainability objectives may be achieved. This is a major part of the requirements of SA/SEA in which it is required to show how the SA/SEA process has influenced the development and preparation of the Waste Core Strategy.
- 3.26 However at this early stage, prior to public consultation of this Issues and Options paper and in the absence of supporting policy, mitigation or enhancement measures cannot be detailed. The options that exist are also too general at this stage to beneficially allow specific physical mitigation measures to be meaningfully identified.

4. NEXT STEPS : APPRAISAL OF THE PREFERRED OPTION

- 4.1 Following its consultation, this report represents the end of this stage B as detailed in the ODPM guide to Sustainability Appraisal of Regional Spatial Strategies and Local Development Frameworks, Consultation Paper, p17. Before proceeding to stage C the following steps need be undertaken:
- Review consultation feedback and amend accordingly the SA Framework
 - Should information come to light that changes are deemed necessary to the sustainability objectives ensure the predicted impact upon the objective remains sound during the next stage of the SA process
- 4.2 After the above and following selection of the preferred option for the Waste Core Strategy stage C will then comprise of:
- Building on the initial appraisal undertaken as part of this report, assess in detail the effects of preferred option, investigating all effects in a comprehensive manner taking account of secondary, cumulative and synergistic effects, and propose mitigation measures for any negative effects and enhancement measures for positive effects
 - The preparation of a methodology for the monitoring of the effects of the Waste Core Strategy upon the baseline data and objectives within the scoping report. It should also establish how new information is to be collected to fill gaps in the baseline data to enable monitoring of the indicators, many of which are not measured yet.
- 4.3 The above information will then be presented in the next Sustainability Report (incorporating the Environmental Report as required by the SEA Directive). This report will provide an account of the process, results of the appraisal, the proposals to mitigate for negative effects and the initial monitoring plan to identify unforeseen effects and the steps for remedial actions. This will then accompany the Waste Core Strategy during its consultation. Any changes being made to the Strategy as a consequence of the consultation will need to be reflected in the Sustainability Report.
- 4.4 A statement will also be prepared summarising how the Sustainability Appraisal has influenced the selection of the preferred Waste Core Strategy.

APPENDIX 1

STRATEGIC ENVIRONMENTAL ASSESSMENT DIRECTIVE REQUIREMENTS

<i>SEA requirement for stage B</i>	<i>Location in the Sustainability Appraisal Report</i>
The likely significant effects on the environment, including on issues such as biodiversity, population, human health, fauna, flora, soil, water, air climatic factors, material assets, cultural heritage, including architectural and archaeological heritage, landscape and the interrelationship between the above factors	Paragraph 3.3, 3.6 - 3.24 Appendix 4
The measures envisaged to prevent, reduce, and as fully as possible offset any significant adverse effects on the environment of implementing the plan	Paragraph 3.25 - 3.26
An outline of the reasons for selecting the alternatives dealt with, and a description of how the assessments was undertaken including any difficulties encountered in compiling the required information	Paragraph 1.14, 3.2 - 3.5
Consultation with authorities with environmental responsibility and the public	Paragraph 1.16 - 1.17
A non technical summary of the information provided under the above headings	To be prepared as part of stage C
	<i>Note.</i> The above information will be amplified and expanded upon during stage C of the SA process

APPENDIX 2

COMMENTS RECEIVED AS PART OF THE SCOPING REPORT CONSULTATION

Would like to make some word changes to page 7 under Results of the Review, points 21) High levels of low paid jobs and a low level of skilled workforce in the County and 22) Over reliance on declining industrial sectors, to the following
(21) On a workplace basis average earnings well below national comparators.
(22) Significant proportion of workforce employed in declining industries.

The Scoping report looks fine from a transport point of view.

The Plans and Programmes listed in Appendix 2 should reference the Regional Cultural Strategy.

Does Worcestershire Community Strategy incorporate the County's cultural strategy?

The consideration given to cultural heritage is welcomed, built design and landscape heritage, as part of the overview set out in appendix 4. Also welcome in general terms the consideration given to focusing the baseline data collection.

A key is needed to clarify the significance column set out in appendix 4.

As part of the cultural heritage summary (Appendix 4 & 5), Registered Battlefields and conservation areas should be referred to.

Conservation Areas are also of relevance to the landscape section in terms of the character and appearance of the County's historic townscapes. For example issues here included the potential visual intrusion of waste facilities and the problem of poorly sited and coordinated infrastructure resulting in the 'cluttering' of the townscape.

With regards to baseline data it should be recognised that the national buildings at Risk Register only covers Grade 1 and Grade2* buildings (and Scheduled Monument that are structures). As the Appraisals is taken forward It would seem more appropriate to provide a measure of the likely impact of different options, whether positive or negative. I.e. the number, % or area of historic buildings, sites and areas, including locally listed assets, effected positively or negatively.

Opportunities listed in Appendix 5 could also include enhancing the character of the townscape (e.g. conservation areas) by ensuring that small-scale waste facilities are appropriately sited and if necessary provision rationalised to reduce unnecessary clutter.

The sub objective for landscape should also refer to other information sources, such as conservation area appraisals and village design statements.
Currently under the cultural heritage, built design and archaeology, the indicators for the objective and sub objective are the same. To avoid repetition of the wording for the second objective can be amended to read 'The siting of new waste management should not have detrimental effect on the setting of historic buildings, areas, landscapes or archaeological remains'.

The value of using the buildings at risk indicator is questioned. The register only covers a limited number of buildings. Alternatively focus on reuse and renewal of historic buildings and not just those on the register. Associated with this the first sub-objective could be extended to include: '...and encourage the reuse of existing buildings'.

Noted was the fact that the West Midlands Regional Economic Strategy was identified in the report.

Strikes the right balance between economic, social and environmental issues as they impact upon Worcestershire.

Welcomes the Identification of the role of the Central Technology Belt in attracting and fostering technology-led enterprise.

The transport sub-objective is supported.

It is realised that the Waste Core Strategy will play a more limited role in delivering affordable housing, but the importance of affordable housing provision is such that the Council may wish to consider raising the priority of this objective within the scoping report.

Further to this point the Council may also like to consider linkage to the sub-objective (for Provision of housing) to include the promotion of sustainable building technologies in delivering affordable dwellings.

'Building Technologies' is a key business cluster for the agency and whilst the focus on the provision of housing is on affordable dwellings, the ability of technology to help minimise waste and improve energy efficiency through the life of the building is equally applicable for industrial and commercial premises.

No significant omissions from the plans, programmes and policy, apart from the LSC's 'Strategy for Sustainable Development' (A copy was attached).

Agree with the selection of key sustainability issues for Worcestershire but would have liked learning and skills to have a higher profile i.e. an issue in its own right.

Baseline data to include examples of best practice benchmarks.

Sustainability objectives provide a sound framework to assess the sustainability credentials of the Waste Core Strategy (WCS).

The objectives will not be achieved if people are not trained to understand the sustainable development agenda. Therefore believes that learning and skills is to low down on the priority of objectives.

It is important to include a section on pre-16 involvement and County Council's strategy to raise awareness around sustainability and waste within schools.

WCS need to be written in a user-friendly style. Emphasis placed on minimisation and the potential business benefits. Final strategy needs to be short, simple and clear.

Strategy needs to provide practical help to institutions/organisations to take them through any implementation phase.

Consider, and use European Funding to promote and develop Sustainable development activity.

If new opportunities for training and skills are to arise as new waste technology develops, links made to Centres of Vocational Excellence (CoVEs).

Waste Appraisals strategy needs to give more examples of good practice, in order that those not currently involved might understand how they can meet the objectives set out in the strategy.

The Strategy needs to outline how it will engage with, and disseminate information to hard to reach organisations and individuals on waste.

LSC is committed and supports the County Council WCS and demonstrates this through the Sustainable Development Implementation plan.

APPENDIX 3

DECISION MAKING CRITERIA FOR THE SUSTAINABILITY OBJECTIVES

Sustainability Sub-Objective	Decision making questions/criteria
<p>Waste To minimise the production of waste generated</p>	<p>Will it contribute to development that will encourage the reuse and recovery of waste in accordance with the waste hierarchy?</p> <p>Will it contribute to the reduction of waste?</p>
<p>Climate Change Minimise biodegradable waste going to landfill</p> <p>Maximise opportunities to generate power from methane at landfill sites</p>	<p>Will it reduce greenhouse contributions?</p> <p>Will it result in development that would recover energy from landfill sites where appropriate?</p>
<p>Transport Ensure the disposal of waste close to the point of origin as practicable</p> <p>Promote transfer of waste by rail or water transport where appropriate</p>	<p>Will it result in a reduction of waste related HGV movements?</p> <p>Will it ensure that waste is disposed of as close to its point of origin as practicable?</p> <p>Will it provide opportunities for waste to be transported by rail or water?</p>
<p>Growth with prosperity for all To encourage business development within the waste sector to achieve Government targets for waste.</p> <p>To encourage rural regeneration</p>	<p>Will it result in development within the waste sector to achieve government targets for waste?</p> <p>Will it facilitate development of recycling and processing enterprises?</p> <p>Will it result in appropriate development that will encourage rural regeneration?</p>
<p>Participation for all To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire.</p>	<p>Will it encourage more people to participate in the appropriate stage of waste planning?</p> <p>Will it lead to an increase of people participating at an appropriate stage of the waste planning process?</p>
<p>Technology, innovation and inward investment To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable.</p>	<p>Will it result in development that is able to make an economic gain from the recovery and treatment of waste? (where it is environmentally acceptable)</p>

<p>Energy generation and use In accordance with waste hierarchy support the generation of energy from waste</p>	<p>Will it result in development that enables recovery from waste where appropriate?</p>
<p>Natural Resources Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities.</p>	<p>Will it result in increased complaints from the community regarding dust, odour, noise and other pollutants?</p> <p>Will it result in unacceptable levels of noise pollution?</p>
<p>Access to services To improve accessibility to kerbside recycling and civic amenity sites.</p>	<p>Will it result in an increase in uptake of kerbside recycling?</p> <p>Will it result in higher numbers using civic amenity sites?</p>
<p>Landscape Encourage design that is sensitive to the local vernacular, as defined by the country landscape character assessment and that reduces visual intrusion.</p>	<p>Will the design of the development be sensitive to the local vernacular?</p> <p>Will the development have minimal visual impact?</p>
<p>Biodiversity/Flora/Fauna To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy</p>	<p>Will it result in development that would prevent the Worcester Biodiversity Action plan targets being met?</p> <p>Will it result in development that will cause fragmentation of habitats to occur?</p>
<p>Health To reduce respiratory diseases/allergy related illness.</p>	<p>Will it result in fewer complaints from the local population who live in close proximity to waste management facilities in relation to noise and odour etc?</p> <p>Will it result in development that will produce emissions that are harmful to human health?</p> <p>Will it result in development that would lead to an increase in respiratory diseases/allergies?</p>
<p>Provision of housing Encourage the re-use of construction and demolition of waste.</p>	<p>Will the proposal increase the amount of construction and demolition waste that is reused</p> <p>Will the proposal encourage developers to include recycling facilities within new housing developments</p>
<p>Population 1 learning and skills To encourage engagement in Community/environmentally responsible activities</p>	<p>Will it result in development that will encourage the community to take an active role in the waste planning process?</p> <p>Will it encourage more recycling of waste?</p>

<p>Cultural Heritage, built design and archaeology</p> <p>Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental effect on the in-situ conservation of buildings architectural or historic interests or archaeological sites.</p>	<p>Will it encourage design that is informed by the local vernacular?</p> <p>Will it encourage design that doesn't have a detrimental affect on the in-situ conservation of buildings of architectural or historic interests or archaeological sites?</p>
<p>Material assets</p> <p>To support the reuse of construction materials</p> <p>To protect land from contamination arising from waste</p> <p>To restore existing landfill sites to amenity purposes</p>	<p>Will it support development that promotes the reuse of construction materials?</p> <p>Will it prevent or lessen the risk of leakages of leachate and other contaminate?</p>
<p>Population 2 (Anti social behaviour, crime, litter and graffiti)</p> <p>Reduce the number of fly tipping incidents</p> <p>Summary of appraisal against social objectives</p>	<p>Will it result in fewer incidents of flytipping?</p> <p>Will the cost of clearing away the material that has been left as a result of flytipping be reduced?</p>

Appendix 4

Full results of the Sustainability Appraisal of the issues and options (colour code objectives according to priority)

Key

Red = High priority objective

Orange = Medium priority objective

Yellow = Low priority objective

Issue A Development in the Greenbelt

* Option 1 New Waste Management Facilities in the greenbelt is inappropriate (unless exceptional circumstances are justified)

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Environmental Objectives					
1. Waste					
Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource					
1.a) To minimise the production of waste generated	2004- 2005, 297,937 tonnes of municipal solid waste collected in Worcestershire. This is approximately 24% of the controlled waste. Industrial waste 59% & commercial 17%. 2004 -2005, 64% of industrial waste was	O (P)	O (P)	O (P)	Certainty of effect = High The provision of a Waste Management Facility (WMF) will not impact on the generation of waste

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
	either reused or recycled. 2004-2005, 27% of commercial waste was either reused or recycled Waste generated per capita/household?				
2. Climate Change					
Reduce greenhouse gas contributions					
2.a) Minimise biodegradable waste going to landfill	<p>Approximately 22% municipal waste in Worcester in 2004-2005 went to landfill</p> <p>CO2 Emissions In 2001 an estimated 5.4 million tonnes of CO2 added to the atmosphere from sources within Worcestershire as follows: Domestic 23% Commercial/Service 12% Industrial 35%</p>	O (P)	O (P)	O (P)	<p>Certainty of effect = High</p> <p>There is unlikely to be a link with preventing new waste management facilities in the Greenbelt and minimising the amount of biodegradable waste that goes to landfill.</p>

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
	Transport 27% Waste 3%				
2.b) Maximise opportunities to generate power from methane at landfill sites	Approximately 22% municipal waste in Worcestershire in 2004-2005 went to landfill. Energy generated from landfill site? Methane emissions from landfill sites?	O (P)	O (P)	O (P)	Certainty of effect = High No direct correlation
3. Transport To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	Movement of waste by commercial vehicles via tachograph mileage records? 77,000 movements across the City Centre Worcester Bridge each day. Road Congestion?	- (P)	- (P)	- (P)	Certainty of effect = low The green belt designation covers a significant area of land that surrounds urban areas where waste is generated

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
3.b) Promote transfer of waste by rail or water transport where appropriate	Tonnage of waste moved by mode (road/rail/water)?	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a link with whether this objective has been met and preventing development in the greenbelt, due to alternative locations not being known.
15. Cultural Heritage, Built Design and Archaeology					
Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.	<i>Approaching 6,000 listed buildings, 485 scheduled ancient monuments, 147 conservation areas, 15 historic parks and gardens, and 16,000 entries on the County Historic Environment record. 16 buildings of grade I and II* classified as being at risk (2005). 15,000 known archaeological sites</i>	O (P)	O (P)	O (P)	Certainty of effect = High This is a location option not a design option. All WMF should take account of design

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
	are recorded on the Counties Sites and Monuments record. 235 designated as SAMs. 6,800 buildings in the County listed as being of architectural or historic interest. Loss or damage to SAM's, historic parks and gardens, conservation areas				
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land					
16.a To support the reuse of construction materials	Figures for the recycled and reuse of construction and demolition waste?	O (P)	O (P)	O (P)	Certainty of effect = High Preventing the development of WMF in the Greenbelt is not likely to prevent this objective being impacted positively or negatively.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
16.b) To protect land from contamination arising from waste	?	O (P)	O (P)	O (P)	Certainty of effect = High Whether the facility is in the Greenbelt or not will not affect the likelihood of land contamination from waste.
16.c) To restore existing landfill sites to amenity purposes	?	O (P)	O (P)	O (P)	Certainty of effect = medium A landfill would be developed to deal with waste, not to for an amenity purpose.
10. Landscape					
Safeguard and strengthen landscape character					
10.a) Encourage design that is sensitive to the local vernacular, as defined by the county landscape character assessment and conservation appraisals	The Worcestershire landscape character assessment identifies and describes 22 different landscape types that occur in the County. Two Areas of Outstanding Natural Beauty (AONBs) in the County. Visual quality of	O (P)	O (P)	O (P)	Certainty of effect = Medium This is a location option not a design option. All WMF should take account of design

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
	landscape?				
11. Biodiversity Flora/Fauna					
Seek net gain to biodiversity at all levels					
11.a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	199 designated Sites of Special Scientific Interest (SSSI) covering approximately 2% of the County. Of which 72.4% were in a good condition as of March 2005. There is one Special Area for Conservation (SACs), 11 National Nature Reserves (NNRs); 25 Local Nature Reserves 5,848 ha of ancient semi natural woodland. The Biodiversity Action Plan (BAP) provides a plan of action for eight priority habitats and 16 priority species.)	? (P)	? (P)	? (P)	Uncertain, alternative location is not known. Effect cannot be predicated, because a location has not been selected.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
	Achievement of BAP targets? Condition of SSSI Area of BAP priority habitats? Priority BAP species population levels?				
7. Energy Generation and Use					
To increase the proportion of energy needs met from renewable sources					
7.a) In accordance with waste hierarchy support the generation of energy from waste	% Of energy that is produced from waste? Est. 5% of total renewable energy in West Mids comes from Worcestershire. Amount of energy generated from waste as percentage of total usage? % Of electricity generated from renewable energy sources and CHP?	? (P)	? (P)	? (P)	It is unlikely that preventing development of a WMF in the Greenbelt will affect this objective positively or negatively. Other factors will dictate whether this objective is met, such as the type of facility proposed.
8. Natural Resources (Air, Water, Soil)					
Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					
8.a) Minimise the creation of dust, odour and noise and other	Number of complaints about WMF regarding	? (P)	? (P)	? (P)	Not siting development in the

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
pollutants in the vicinity of waste station/facilities	dust, odour, noise etc? Smog index? Three air quality management areas declared due to poor air quality, all associated with busy arterial and main roads, a further 21 at which levels of pollutions area concern. Landfill site emissions? Worcestershire Number of days of air pollution? The water quality of the majority of rivers within the County are judged grade B. Kidderminster and Bromsgrove overlie a major aquifer of high vulnerability which spreads south along				Greenbelt is unlikely to affect this objective and dust, odour, noise etc should be controlled on site.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
	the line of the Severn, its southern extent is approximately level with Droitwich. Incidents of major and significant water pollution. Incidences of pollution?				
Social Objectives					
5. Participation by All					
To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5.a) To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire	92% of Worcestershire residents think it is important that the Council keeps them informed about its service and policies. Response rates to County Council consultation events? Response rates to Minerals and Waste Development Framework	-/? (P)	-/? (P)	-/? (P)	Certainty of effect = High People are more likely to become involved in planning decisions if they feel that it will affect them. Uncertain as to if preventing development in the greenbelt will increase or decrease those participating in planning as this option does not specify where alternative sites maybe. The negative score has

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
	consultation events?				been applied as it may reduce the awareness of those living within or near to the greenbelt.
9. Access to Services					
To improve the quality of and accessibility to local services and facilities					
9.a) To improve accessibility to kerbside recycling and civic amenity sites	Six District Authorities have committed to providing kerbside recycling to 84-100 % of its residents, by 2005. % Of kerbside recycling provided for residents of Worcestershire? % Of residents being offered kerbside recycling?	- (P)	- (P)	- (P)	Certainty of effect = Medium Preventing development of WMF in Greenbelt may reduce accessibility to civic amenity sites for those living within or adjacent o the greenbelt. However other factors affect this objective, for instance the alternative locations for a WMF and type of facility proposed.
12. Health					
To improve the health and well being of the population and reduce inequalities in health.					
12.a) To reduce respiratory diseases/allergy related illness.	The patterns/levels of respiratory diseases/allergy related illness including asthma? In the United	? (P)	? (P)	? (P)	No direct correlation

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
	Kingdom in 1999 there were nearly 74,000 admissions to hospital due to asthma. In 2000, annual hospital admission rates for asthma were 48 per 10,000 children aged under 5 years and 16 per 10,000 children aged 5 to 14 years.				
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	Number of complaints regarding WMF? Public concern over noise levels and odour	? (P)	? (P)	? (P)	No direct correlation
13. Provision of housing					
Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing development in particular the re-use of construction and demolition waste.	Number of households with residents 223,049. 9244 houses are described as being overcrowded.	? (P)	? (P)	? (P)	Dependant on the type of facility proposed.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
	The average household in Worcestershire size is 2.39 persons. 13742 households in Worcestershire do not have central heating. 169629 houses are owner occupied. 5967 Vacant household spaces. Number of new builds that use sustainable building technologies? Figures for destination of construction and demolition waste?				
13.b) Promote the provision of recycling facilities within new housing developments	Number of new housing developments that include a recycling facility?	O (P)	O (P)	O (P)	Certainty of effect = High There is unlikely to be a link with a WMF being developed and developer including recycling facilities in new housing developments.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
14. Population (Learning and Skills)					
To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally responsible activities	Number/percentage of Worcestershire residents that recycle?	O (P)	O (P)	O (P)	No direct correlation
17. Population 2 (anti social behaviour, crime, litter, graffiti etc)					
Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	Incidents of fly tipping and the associated cost of the removal.	? (P)	? (P)	? (P)	Alternative locations for WMF have not been specified. Therefore the effect cannot be predicted.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4.a) To encourage business development within the waste sector to achieve Government targets for waste.	Numbers of businesses operating in Worcestershire in the waste sector? Total number of people employed in the recycling business in 2003 was 103 % Of people employed in the waste sector?	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely to have an affect, the option neither encourages nor discourages business development; it simply displaces the location of the enterprise.
4.b) To encourage rural regeneration	Number of VAT registered businesses in the area?	? (P)	? (P)	? (P)	Alternative locations are not known, therefore the effect cannot be predicted.
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
6.a) To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable	Number of businesses and employee numbers involved in waste sector?	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely to have an affect, the option is not preventing development;

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					it simply displaces the location of the enterprise.

Issue A Development in the Greenbelt

Option 2 New waste development in greenbelt is appropriate when i) on previously developed land and ii) accordance with the objectives of PPG2

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Environmental Objectives					
1. Waste					
Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource					
1.a) To minimise the production of waste generated	As above	O (P)	O (P)	O (P)	Certainty of effect = High The provision of a Waste Management Facility (WMF) will not impact on the generation of waste
2. Climate Change					
Reduce greenhouse gas contributions					
2.a) Minimise biodegradable waste going to landfill sites.	As above	O (P)	O (P)	O (P)	Certainty of effect = High No direct correlation.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
2.b) Maximise opportunities to generate power from methane at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = High No direct correlation.
3. Transport To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium. Greenbelt is adjacent to urban areas, i.e. close to the point of origin.
3.b) Promote transfer of waste by rail or water transport where appropriate	As above	O (P)	O (P)	O (P)	Certainty of effects – Medium. The transfer of waste originating in the greenbelt by water or rail may be hampered if site selection is restricted within the greenbelt for such infrastructure.
15. Cultural Heritage, Built Design and Archaeology Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental	As above	O (P)	O (P)	O (P)	Certainty of effect = High This is a location option, not a design option. All WMF should take account of design

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.					
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land.					
16.a) To support the reuse of construction materials.	As above	O (P)	O (P)	O (P)	Certainty of effect = High No direct correlation
16.b) To protect land from contamination arising from waste	As above	O (P)	O (P)	O (P)	Certainty of effect = High No direct correlation
16.b) To restore existing landfill sites to amenity purposes	As above	O (P)	O (P)	O (P)	Certainty of effect = medium No direct correlation, a landfill would be developed to deal with waste, not to for an amenity purpose.
10. Landscape					
Safeguard and strengthen landscape character					
10.a) Encourage design that is sensitive to the local vernacular, as defined by the county landscape character assessment and conservation area appraisals.	As above	O (P)	O (P)	O (P)	Certainty of effect = High This is a location option not a design option. All WMF should take account of design

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
11. Biodiversity Flora/Fauna					
Seek net gain to biodiversity at all levels					
11.a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	As above	? (P)	? (P)	? (P)	Effect cannot be predicated, because a location has not been selected.
7. Energy Generation and Use					
To increase the proportion of energy needs met from renewable sources					
7.a) In accordance with waste hierarchy support the generation of energy from waste	As above	? (P)	? (P)	? (P)	The effect of this option will be dependant on the location and type of the facility proposed.
8. Natural Resources (Air, Water, Soil)					
Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					
8.a) Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities	As above	? (P)	? (P)	? (P)	Effect could only be predicted if a site was selected however pollutants could be mitigated by use of on site controls imposed by planning conditions and other legal controls
Social Objectives					
5. Participation by All					
To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5.a) To provide opportunities	As above	O (P)	O (P)	O (P)	Certainty of effect =High.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
for communities to participate in and contribute to waste planning decisions within Worcestershire					Whether a WMF is in the greenbelt or not should not deny people opportunities to take part in waste planning.
9. Access to Services					
To improve the quality of and accessibility to local services and facilities					
9.a) To improve accessibility to kerbside recycling and civic amenity sites	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium Do not know what the facility will be. A civic amenity site would score a positive result.
12. Health					
To improve the health and well being of the population and reduce inequalities in health					
12.a) To reduce respiratory diseases/allergy related illness	As above	? (P)	? (P)	? (P)	No direct correlation
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	As above	? (P)	? (P)	? (P)	No direct correlation

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
13. Provision of housing					
Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing development in particular the re-use of construction and demolition waste.	As above	? (P)	? (P)	? (P)	Dependent on the type of facility.
13.b) Promote the provision of recycling facilities within new housing developments	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a link with a WMF being developed in the Greenbelt and developer including recycling facilities in new housing developments.
14. Population (Learning and Skills)					
To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally responsible activities	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium The location of the WMF is unlikely to have an impact on the numbers of people who recycle (Unless it is a Civic amenity site)

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
17. Population 2 (anti social behaviour, crime, litter, graffiti etc.)					
Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a new facility for dealing with waste may lessen the likelihood on flytipping.
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4.a) To encourage business development within the waste sector to achieve Government targets for waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a new facility to deal with waste will go towards achieving Govt. targets for waste.
4.b) To encourage rural regeneration	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Low - Medium Enabling development in rural areas where appropriate may aid rural regeneration.
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
6.a) To make an economic gain from the recovery and	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
treatment of waste streams wherever this is environmentally acceptable.					Providing a new facility to deal with waste will enable an economic gain to be made from the recovery and treatment of waste.

Issue A Development in the Greenbelt

Option 3 New waste development is appropriate anywhere when in accordance with the objectives PPG2

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Environmental Objectives					
1. Waste					
Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource					
1.a) To minimise the production of waste generated	As above	O (P)	O (P)	O (P)	Certainty of effect = High The provision of a Waste Management Facility (WMF) will not impact on the generation of waste

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
2. Climate Change					
Reduce greenhouse gas contributions					
2.a) Minimise biodegradable waste going to landfill sites.	As above	O (P)	O (P)	O (P)	Certainty of effect = High No direct correlation.
2.b) Maximise opportunities to generate power from methane at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = High No direct correlation.
3. Transport					
To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	As above	+ (P)	+ (P)	+ (P)	Certainty of effects – Medium. The Greenbelt is adjacent to urban areas, i.e. close to the point of origin.
3.b) Promote transfer of waste by rail or water transport where appropriate	As above	+ (P)	+ (P)	+ (P)	Certainty of effects – Medium. The transfer of waste originating in the greenbelt by water or rail would not be restricted within the greenbelt provided there is appropriate sites for the necessary infrastructure.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
15. Cultural Heritage, Built Design and Archaeology					
Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.	As above	O (P)	O (P)	O (P)	Certainty of effect = High This is a location option, not a design option. All WMF should take account of design
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land.					
16. a) To support the reuse of construction materials.	As above	O (P)	O (P)	O (P)	Certainty of effect = High This option is unlikely to have an impact on this objective
16.b) To protect land from contamination arising from waste	As above	O (P)	O (P)	O (P)	Certainty of effect = High Whether the facility is in the Greenbelt or not will not affect the likelihood of land contamination from waste.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
16.c) To restore existing landfill sites to amenity purposes	As above	O (P)	O (P)	O (P)	Certainty of effect = medium A landfill would be developed to deal with waste, not to for an amenity purpose.
10. Landscape Safeguard and strengthen landscape character					
10.a) 10.a) Encourage design that is sensitive to the local vernacular, as defined by the county landscape character assessment and conservation appraisals	As above	O (P)	O (P)	O (P)	Certainty of effect = High This is a location option not a design option. All WMF should take account of design
11. Biodiversity Flora/Fauna Seek net gain to biodiversity at all levels					
11.a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	As above	? (P)	? (P)	? (P)	Effect cannot be predicated, because a location has not been selected.
7. Energy Generation and Use To increase the proportion of energy needs met from renewable sources					
7.a) In accordance with waste hierarchy support the generation of energy from waste	As above	? (P)	? (P)	? (P)	The effect of this option will be dependant on the location and type of the facility proposed.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
8. Natural Resources (Air, Water, Soil)					
Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					
8.a) Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities	As above	? (P)	? (P)	? (P)	Certainty of effect = High Effect could only be predicated if a site was selected however pollutants could be mitigated by the use of on site controls imposed by planning conditions and other legal controls.
Social Objectives					
5. Participation by All					
To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5.a To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire	As above	O (P)	O (P)	O (P)	Certainty of effect =High. Whether a WMF is in the greenbelt or not should not influence the numbers of people who take part in waste planning.
9. Access to Services					
To improve the quality of and accessibility to local services and facilities					
9.a) To improve accessibility to kerbside recycling and civic amenity sites	As above	? (P)	? (P)	? (P)	Do not know what the facility will be. A civic amenity site would score a positive result.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
12. Health					
To improve the health and well being of the population and reduce inequalities in health					
12.a) To reduce respiratory diseases/allergy related illness	As above	? (P)	? (P)	? (P)	Unlikely that the option will affect the objective. In addition on site controls would need to be in place.
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	As above	? (P)	? (P)	? (P)	Unlikely that the option will affect the objective. In addition on site controls would need to be in place
13. Provision of housing					
Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing development in particular the re-use of construction and demolition waste.	As above	? (P)	? (P)	? (P)	Dependent on the type of facility.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
13.b) Promote the provision of recycling facilities within new housing developments	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a link with a WMF being developed in the Greenbelt and developer including recycling facilities in new housing developments.
14. Population (Learning and Skills) To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally responsible activities	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium The location of the WMF is unlikely to have an impact on the numbers of people who recycle (Unless it is a Civic amenity site)
17. Population 2 (anti social behaviour, crime, litter, graffiti etc.) Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a new facility for dealing with waste may lessen the likelihood on flytipping.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4.a) To encourage business development within the waste sector to achieve Government targets for waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a new facility to deal with waste will go towards achieving Govt. targets for waste.
4.b) To encourage rural regeneration	Number of VAT registered businesses in the area?	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Enabling development in rural areas where appropriate may aid rural regeneration.
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
6.a To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable.	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a new facility to deal with waste will enable an economic gain to be made from the recovery and treatment of waste.

Issue B Urban/rural

* Option 1 Focus is on development in urban locations throughout Worcestershire with justified/minimal development in rural locations.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Environmental Objectives					
1. Waste					
Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource					
1.a To minimise the production of waste generated	As above	O (P)	O (P)	O (P)	Certainty of effect = High The provision of a Waste Management Facility (WMF) will not impact on the generation of waste
2. Climate Change					
Reduce greenhouse gas contributions					
2.a) Minimise biodegradable waste going to landfill	As above	O (P)	O (P)	O (P)	Certainty of effect = High No direct correlation.
2.b) Maximise opportunities to generate power form methane at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = High No direct correlation.
3. Transport					
To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = High Will ensure that WMF are situated close to the points of waste generation.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
3.b) Promote transfer of waste by rail or water transport where appropriate	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Low Dependent of location selected and other factors.
15. Cultural Heritage, Built Design and Archaeology					
Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium This is a location option not a design option. All WMF should take account of design
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land					
16. a) To support the reuse of construction materials	As above	? (P)	? (P)	? (P)	This will be dependent on the type of facility proposed

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
16.b) To protect land from contamination arising from waste	As above	O (P)	O (P)	O (P)	Certainty of effect = High Whether the facility is in an urban area or not will not affect the likelihood of land contamination from waste.
16.c) To restore existing landfill sites to amenity purposes	As above	O (P)	O (P)	O (P)	Certainty of effect = High No landfills will go in urban locations
10. Landscape Safeguard and strengthen landscape character					
10.a) Encourage design that is sensitive to the local vernacular, as defined by the county landscape character assessment and conservation appraisals	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium This is a location option not a design option. All WMF should take account of design
11. Biodiversity/Flora/Fauna Seek net gain to biodiversity at all levels					
11.a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	As above	? (P)	? (P)	? (P)	Effect cannot be predicated, because a location has not been selected.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
7. Energy Generation and Use					
To increase the proportion of energy needs met from renewable sources					
7.a) In accordance with waste hierarchy support the generation of energy from waste	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = Medium Urban location, outlet for the energy generated and able attach to the grid. Will be dependant of type of facility.
8. Natural Resources (Air, Water, Soil)					
Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					
8.a) Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities	As above	- (T)	- (T)	?	Certainty of effects = medium Likelihood of complaints to begin with, due to perception. Uncertain as to if these will drop over time.
Social Objectives					
5. Participation by All					
To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5.a) To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Promoting location of facilities in urban and rural areas will result in

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					media and consultation events, bringing this issue of waste planning to people in these locations, thus contributing to meeting the objective.
9. Access to services					
To improve the quality of and accessibility to local services and facilities					
9.a) To improve accessibility to kerbside recycling and civic amenity sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium It is still down to the individual to participate, however are putting in place more WMF, may encourage more people to recycle.
12. Health					
To improve the health and well being of the population and reduce inequalities in health					
12.a) To reduce respiratory diseases/allergy related illness	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium No direct coloration. On site controls would need to be in place.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium No direct coloration. On site controls would need to be in place.
13. Provision of housing Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing development in particular the re-use of construction and demolition waste.	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Low – medium, Located in urban are and therefore market for product, but dependant on WMF type.
13.b) Promote the provision of recycling facilities within new housing developments	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a link with a WMF being developed and developer including recycling facilities in new housing developments.
14. Population (Learning and Skills) To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally responsible activities	As above	+ (T)	+ (P)	+ (P)	Certainty of effect = Medium Facilities on the 'doorstep' may encourage people to get

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made involved.
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
17. Population 2 (anti social behaviour, crime, litter, graffiti etc)					
Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	As above	++ (P)	++ (P)	++ (P)	Certainty of effects = Medium /High Providing facilities near to people will mean they have less distance to travel to deposit waste, therefore less likely to flytip.
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4.a) To encourage business development within the waste sector to achieve Government targets for waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium. New WMF will contribute to managing waste to meet Govt, targets for waste.
4.b) To encourage rural regeneration	As above	- (P)	- (P)	- (P)	Certainty of effect = Medium Will provide limited opportunities for rural regeneration.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
6.a) To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable.	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = Medium Providing a new facility to deal with waste will enable an economic gain to be made from the recovery and treatment of waste.

Issue B Urban/rural

Option 2 Focus is split evenly between urban and rural development

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Environmental Objectives					
1. Waste					
Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource					
1.a) To minimise the production of waste generated	As above	O (P)	O (P)	O (P)	Certainty of effect = High The provision of a Waste Management Facility (WMF) will not impact on

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made the generation of waste
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
2. Climate Change Reduce greenhouse gas contributions					
2.a) Minimise biodegradable waste going to landfill	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Location option that will not have an effect
2.b) Maximise opportunities to generate power from methane at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Location option that will not have an effect
3. Transport To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = High Will ensure that WMF are situated close to the points of waste generation.
3.b) Promote transfer of waste by rail or water transport where appropriate	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Low Dependent on location selected and other factors.
15. Cultural Heritage, Built Design and Archaeology Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium This is a location option

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
vernacular. The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.					not a design option. All WMF should take account of design
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land					
16.a) To support the reuse of construction materials	As above	? (P)	? (P)	? (P)	This will be dependent on the type of facility proposed
16.b) To protect land from contamination arising from waste	As above	O (P)	O (P)	O (P)	Certainty of effect = High Whether the facility is in an urban area or not will not affect the likelihood of land contamination from waste.
16.c) To restore existing landfill sites to amenity purposes	As above	O (P)	O (P)	O (P)	Certainty of effect = High A landfill would be developed to deal with waste, not to for an amenity purpose.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
10. Landscape Safeguard and strengthen landscape character					
10.a) Encourage design that is sensitive to the local vernacular, as defined by the county landscape character assessment and conservation appraisals	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium This is a location option not a design option. All WMF should take account of design
11. Biodiversity/Flora/Fauna Seek net gain to biodiversity at all levels					
11.a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	As above	? (P)	? (P)	? (P)	Effect cannot be predicated, because a location has not been selected.
7. Energy Generation and Use To increase the proportion of energy needs met from renewable sources					
7.a) In accordance with waste hierarchy support the generation of energy from waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Rural locations unlikely to have an outlet for the energy generated and unlikely to be able attach to the grid. Will be dependant of type of facility.
8. Natural Resources (Air, Water, Soil) Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
8.a) Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities	As above	- (T)	- (T)	?	Certainty of effects = medium Likelihood of complaints to begin with, due to perception. Uncertain as to if these will drop other time.
Social Objectives					
5. Participation by all To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5.a) To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Promoting location of facilities in urban and rural areas will result in media and consultation events, bringing this issue of waste planning to people in these locations, thus contributing to meeting the objective.
9. Access to Services To improve the quality of and accessibility to local services and facilities					
9.a) To improve accessibility to kerbside recycling and civic	As above	+ (P)	+ + (P)	+ + (P)	Certainty of effect = Medium

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
amenity sites					It is still down to the individual to participate, and dependant of the facility proposed. However may ensure that rural communities are being catered for.
12.) Health					
To improve the health and well being of the population and reduce inequalities in health					
12.a) To reduce respiratory diseases/allergy related illness	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium No direct correlation. On site controls would need to be in place.
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium No direct correlation. On site controls would need to be in place.
13. Provision of housing					
Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing development in particular the re-use of construction and demolition waste.	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Low Not the same demand for material and material from rural locations may have to be transported further.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
13.b) Promote the provision of recycling facilities within new housing developments	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a link with a WMF being developed and developer including recycling facilities in new housing developments.
14. Population 1 (Learning and Skills) To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally responsible activities	As above	+ (T)	+ (P)	+ (P)	Certainty of effect = Medium Facilities on the 'doorstep' may encourage people to get involved. Potential to effect people from both rural and urban populations, encouraging those to get involved.
17.) Population 2 (anti social behaviour, crime, litter, graffiti etc) Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	As above	++ (P)	++ (P)	++ (P)	Certainty of effects = Medium /high Providing facilities in both rural and urban locations will mean

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					people have less distance to travel to deposit waste, therefore less likely to flytip.
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4.a) To encourage business development within the waste sector to achieve Government targets for waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium. New WMF will contribute to managing waste to meet Govt, targets for waste.
4.b) To encourage rural regeneration	Number of VAT registered businesses in the area?	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium. Enabling development in rural areas where appropriate may aid rural regeneration.
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
6.a) To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = Medium Providing a new facility to deal with waste will enable an economic gain to be made from the

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					recovery and treatment of waste.

Issue B Urban/rural

Option 3 Focus is on development in rural locations with justified/minimal development in urban locations

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	

Environmental Objectives

1. Waste

Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource

1.a) To minimise the production of waste generated	As above	O (P)	O (P)	O (P)	Certainty of effect = High The provision of a Waste Management Facility (WMF) will not impact on the generation of waste
--	----------	-------	-------	-------	---

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
2. Climate Change					
Reduce greenhouse gas contributions					
2.a) Minimise biodegradable waste going to landfill	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Location option that will not have an effect
2.b) Maximise opportunities to generate power from methane at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Location option that will not have an effect
3. Transport					
To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	As above	-- (P)	-- (P)	-- (P)	Certainty of effect = Medium. Unless facilities are built on rural land adjoining urban areas then effect is likely to be negative.
3.b) Promote transfer of waste by rail or water transport where appropriate	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Low A positive effect if it was achieved, but the likelihood of finding location in rural areas where waste can be transported by rail or water is low.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
15. Cultural Heritage, Built Design and Archaeology					
Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium This is a location option not a design option. All WMF should take account of design
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land					
16.a) To support the reuse of construction materials	As above	? (P)	? (P)	? (P)	This will be dependent on the type of facility proposed
16.b) To protect land from contamination arising from waste	As above	O (P)	O (P)	O (P)	Certainty of effect = High Whether the facility is in a rural or urban location will not affect the likelihood of land contamination from waste.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
16.c) To restore existing landfill sites to amenity purposes	As above	O (P)	O (P)	O (P)	Certainty of effect = High A landfill would be developed to deal with waste, not to for an amenity purpose.
10. Landscape Safeguard and strengthen landscape character					
10.a) Encourage design that is sensitive to the local vernacular, as defined by the county landscape character assessment and conservation appraisals	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium This is a location option not a design option. All WMF should take account of design
11. Biodiversity/Flora/Fauna Seek net gain to biodiversity at all levels					
11. a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	As above	? (P)	? (P)	? (P)	Effect cannot be predicated, because a location has not been selected.
7.) Energy Generation and Use To increase the proportion of energy needs met from renewable sources					
7.a) In accordance with waste hierarchy support the generation of energy from waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Low. Rural locations unlikely to have an outlet for the energy generated and unlikely to be able attach

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					to the grid. Will be dependant of type of facility.
8. Natural Resources (Air, Water, Soil)					
Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					
8.a) Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Potentially less complaints, due to the likelihood of fewer people being affected. However on site controls would be in place to control dust, odour etc.
Social Objectives					
5. Participation by all					
To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5.a) To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium. The opportunity will still exist for people to participate. However if facilities were located just in rural areas. Then the numbers of people affected is likely to be

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					lower and media coverage might lessen, resulting in fewer people being informed about waste planning.
9. Access to Services					
To improve the quality of and accessibility to local services and facilities					
9.a) To improve accessibility to kerbside recycling and civic amenity sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium It is still down to the individual to participate, and dependant of the facility proposed. However may ensure that rural communities are being catered for.
12. Health					
To improve the health and well being of the population and reduce inequalities in health					
12.a) To reduce respiratory diseases/allergy related illness	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium No direct correlation. On site controls would need to be in place.
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium No direct coloration. On site controls would need to be in place.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
13. Provision of housing					
Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing development in particular the re-use of construction and demolition waste.	As above	- (P)	- (P)	- (P)	Certainty of effect = Medium Will be dependant on the type of facility. Facilities in rural locations are likely to discourage the re-use of construction and demolition waste due to the increase cost of transporting the materials.
13.b) Promote the provision of recycling facilities within new housing developments	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a link with a WMF being developed and developer including recycling facilities in new housing developments.
14. Population 1 (Learning and Skills)					
To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally	As above	+ (T)	+ (P)	+ (P)	Certainty of effect = Low Facilities on the 'doorstep' may

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
responsible activities					encourage people to get involved.
17. Population 2 (anti social behaviour, crime, litter, graffiti etc)					
Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	As above	- (P)	- (P)	- (P)	Certainty of effect = Medium – High Not providing facilitates in urban locations, may lead to an increase in flytipping due to there being no near by locations in which to deposit waste.
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4.a) To encourage business development within the waste sector to achieve Government targets for waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium. New WMF will contribute to managing waste to meet Govt, targets for waste.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
4.b) To encourage rural regeneration	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = Medium – High Ability to promote rural regeneration if facilities are developed in rural locations.
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
6.a) To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = Medium Providing a new facility to deal with waste will enable an economic gain to be made from the recovery and treatment of waste.

Issue C) Small/Large Facility
Option 1 Primarily large waste management facilities

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Environmental Objectives					
1. Waste					
Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource					
1.a) To minimise the production of waste generated	As above	O (P)	O (P)	O (P)	Certainty of effect = High The provision of a Waste Management Facility (WMF) will not impact on the generation of waste
2. Climate Change					
Reduce greenhouse gas contributions					
2.a) Minimise biodegradable waste going to landfill	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium No direct correlation
2.b) Maximise opportunities to generate power from methane at landfill sites	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = High. A large site will be able to treat larger amounts of waste and generate more energy.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
3. Transport					
To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	As above	? (P)	? (P)	? (P)	Certainty of effect = High. Dependant on location, to many variables to predict the effect.
3.b) Promote transfer of waste by rail or water transport where appropriate	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = High. Economies of scale and the investment needed to achieve objective is more likely with a large facility.
15. Cultural Heritage, Built Design and Archaeology					
Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.	As above	- (P)	- (P)	(P)	Certainty of effect = Medium. A large facility will have more potential than a smaller facility to impact on the local vernacular. But will still be dependant on the location and all WMF should take account of design issues.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land					
16.a) To support the reuse of construction materials	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium. The size of the facility is unlikely to impact on this objective.
16.b) To protect land from contamination arising from waste	As above	O (P)	O (P)	O (P)	Certainty of effect = High Whether the facility is small or large will not affect the likelihood of land contamination from waste.
16.c) To restore existing landfill sites to amenity purposes	As above	O (P)	O (P)	O (P)	Certainty of effect = High A landfill would be developed to deal with waste, not to for an amenity purpose.
10. Landscape					
Safeguard and strengthen landscape character					
10.a) Encourage design that is sensitive to the local vernacular, as defined by the county landscape character assessment and conservation	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium. A large facility will have more potential than a smaller facility to impact

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
appraisals					on the local vernacular. All planned WMF need to take account of design issues.
11. Biodiversity/Flora/Fauna					
Seek net gain to biodiversity at all levels					
11.a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	As above	? (P)	? (P)	? (P)	Certainty of effect = High The effect will be dependent on development and location.
7. Energy Generation and Use					
To increase the proportion of energy needs met from renewable sources					
7.a) In accordance with waste hierarchy support the generation of energy from waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = High Economies of scale will mean larger facilities will have more opportunity to generate energy from waste.
8. Natural Resources (Air, Water, Soil)					
Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					
8.a) Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium. The size of the WMF should not affect the likelihood of the objective being met.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Social Objectives					
5. Participation by all To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5.a) To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a correlation between the size of a facility and opportunities for communities to be involved in planning decisions in Worcestershire.
9. Access to Services To improve the quality of and accessibility to local services and facilities					
9.a) To improve accessibility to kerbside recycling and civic amenity sites	As above	O (P)	O (P)	O (P)	Certainty of effect = High Unlikely to be a correlation between the size of a facility and the provision of kerbside recycling and access to civic amenity sites.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
12. Health					
To improve the health and well being of the population and reduce inequalities in health					
12.a) To reduce respiratory diseases/allergy related illness	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely that the option will affect the objective.
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely that the option will affect the objective.
13. Provision of housing					
Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing development in particular the re-use of construction and demolition waste.	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium. The size of the facility is unlikely to determine whether the objective is met. Would be dependant on the type of facility.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
13.b) Promote the provision of recycling facilities within new housing developments	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a link with a WMF being developed and developer including recycling facilities in new housing developments.
14. Population 1 (Learning and Skills) To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally responsible activities	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely to be a correlation between the size a facility and those taking part in environmentally responsible activities.
17. Population 2 (anti social behaviour, crime, litter, graffiti etc) Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	As above	O (P)	O (P)	O (P)	Certainty of effect = High Unlikely to be a correlation between the size a facility and the incidents of flytipping.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4.a) To encourage business development within the waste sector to achieve Government targets for waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a facility will go towards achieving Govt. targets. Larger facility will provide greater economies of scale.
4.b) To encourage rural regeneration	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely to be a correlation between the size a facility and promoting rural regeneration. Promotion of rural regeneration would be more dictated by location.
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
6.a) To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium Dependant on specific nature of the WMF rather than the size.

Issue C) Small/Large Facility

***Option 2 Even split of large and small waste management facilities**

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Environmental Objectives					
1. Waste					
Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource					
1.a) To minimise the production of waste generated	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium No direct correlation
2. Climate Change					
Reduce greenhouse gas contributions					
2.a) Minimise biodegradable waste going to landfill	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium No direct correlation
2.b) Maximise opportunities to generate power from methane at landfill sites	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = High. A large site will be able to treat larger amounts of waste and generate more energy.
3. Transport					
To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	As above	? (P)	? (P)	? (P)	Dependant on location, to many variables to predict the effect.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
3.b) Promote transfer of waste by rail or water transport where appropriate	As above	- (P)	- (P)	- (P)	Certainty of effect = High. Economies of scale and the investment needed to achieve objective is more likely with a large facility.
15. Cultural Heritage, Built Design and Archaeology					
Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.	As above	-/? (P)	- /? (P)	-/? (P)	Certainty of effect = Medium. A large facility will have more potential than a smaller facility to impact on the local vernacular. But will still be dependant on the location and all WMF should take account of design issues.
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land					
16.a) To support the reuse of construction materials	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium. The size of the facility is unlikely to impact on this objective.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
16.b) To protect land from contamination arising from waste	As above	O (P)	O (P)	O (P)	Certainty of effect = High Whether the facility is small or large will not affect the likelihood of land contamination from waste.
16.c) To restore existing landfill sites to amenity purposes	As above	O (P)	O (P)	O (P)	Certainty of effect = High A landfill would be developed to deal with waste, not for an amenity purpose.
10. Landscape Safeguard and strengthen landscape character					
10.a) Encourage design that is sensitive to the local vernacular, as defined by the county landscape character assessment and conservation appraisals	As above	? (P)	? (P)	? (P)	A large facility will have more potential than a smaller facility to impact on the local vernacular. All planned WMF need to take account of design issues.
11. Biodiversity/Flora/Fauna Seek net gain to biodiversity at all levels					
11.a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core	As above	? (P)	? (P)	? (P)	Certainty of effect = High The effect will be dependent on development and

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Strategy					location.
7. Energy Generation and Use					
To increase the proportion of energy needs met from renewable sources					
7.a) In accordance with waste hierarchy support the generation of energy from waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = High Economies of scale will mean larger facilities will have more opportunity to generate energy from waste.
8. Natural Resources (Air, Water, Soil)					
Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					
8.a) Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium. The size of the WMF should not affect the likelihood of the objective being met.
Social Objectives					
5. Participation by all					
To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5.a) To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a correlation between the size of a facility and opportunities for

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					communities to be involved in planning decisions in Worcestershire.
9. Access to Services					
To improve the quality of and accessibility to local services and facilities					
9. a) To improve accessibility to kerbside recycling and civic amenity sites	As above	O (P)	O (P)	O (P)	Certainty of effect = High Unlikely to be a correlation between the size of a facility and the provision of kerbside recycling and access to civic amenity sites.
12. Health					
To improve the health and well being of the population and reduce inequalities in health					
12. a) To reduce respiratory diseases/allergy related illness	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely that the option will affect the objective.
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely that the option will affect the objective.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
13. Provision of housing					
Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing development in particular the re-use of construction and demolition waste.	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium. The size of the facility is unlikely to determine whether the objective is met. Would be dependant on the type of facility.
13.b) Promote the provision of recycling facilities within new housing developments	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a link with a WMF being developed and developer including recycling facilities in new housing developments.
14. Population 1 (Learning and Skills)					
To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally responsible activities	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely to be a correlation between the size a facility and those taking part in environmentally

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made responsible activities.
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
17. Population 2 (anti social behaviour, crime, litter, graffiti etc)					
Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	As above	O (P)	O (P)	O (P)	Certainty of effect = High Unlikely to be a correlation between the size a facility and the incidents of flytipping.
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4.a) To encourage business development within the waste sector to achieve Government targets for waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a facility will go towards achieving Govt. targets for waste. Larger facility will provide greater economies of scale.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
4.b) To encourage rural regeneration	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely to be a correlation between the size a facility and promoting rural regeneration. Promotion of rural regeneration would be more dictated by location.
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
6.a) To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium Dependant on specific nature of the WMF rather than the size.

**Issue C) Small/Large Facility
Option 3 Primarily small waste management facilities**

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Environmental Objectives					
1. Waste					
Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource					
1.a To minimise the production of waste generated	As above	O (P)	O (P)	O (P)	Certainty of effect = High The provision of a Waste Management Facility (WMF) will not impact on the generation of waste
2. Climate Change					
Reduce greenhouse gas contributions					
2.a) Minimise biodegradable waste going to landfill	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium No direct correlation
2.b) Maximise opportunities to generate power from methane at landfill sites	As above	- (P)	- (P)	- (P)	Certainty of effect = High. A large site will be able to treat larger amounts of waste and generate more energy than a smaller site.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
3. Transport					
To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	As above	? (P)	? (P)	? (P)	Certainty of effect = High. Dependant on location, to many variables to predict the effect.
3. b) Promote transfer of waste by rail or water transport where appropriate	As above	-- (P)	-- (P)	-- (P)	Certainty of effect = High. The cost of installing infrastructure to enable the transportation of waste by rail and water would be to high to be economically viable for a small WMF
15. Cultural Heritage, Built Design and Archaeology					
Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium. A smaller facility will have less potential than a large facility to impact on the local vernacular. But will still be dependant on the location and all WMF should take account of

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land					
16. a) To support the reuse of construction materials	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium. The size of the facility is unlikely to impact on this objective.
16.b) To protect land from contamination arising from waste	As above	O (P)	O (P)	O (P)	Certainty of effect = High Whether the facility is small or large will not affect the likelihood of land contamination from waste.
16.c) To restore existing landfill sites to amenity purposes	As above	O (P)	O (P)	O (P)	Certainty of effect = High A landfill would be developed to deal with waste, not to for an amenity purpose.
10. Landscape					
Safeguard and strengthen landscape character					
10.a) Encourage design that is sensitive to the local vernacular, as defined by the county landscape character	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium. A smaller site is less likely to impact on the

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
assessment and conservation appraisals					landscape/ local vernacular than a large facility. All planned WMF need to take account of design issues.
11. Biodiversity/Flora/Fauna Seek net gain to biodiversity at all levels					
11.a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	As above	? (P)	? (P)	? (P)	Certainty of effect = High The effect will be dependent on development and location.
7. Energy Generation and Use To increase the proportion of energy needs met from renewable sources					
7.a) In accordance with waste hierarchy support the generation of energy from waste	As above	- (P)	- (P)	- (P)	Certainty of effect = High Economies of scale will mean smaller WMF will have less of an opportunity to generate energy from waste.
8. Natural Resources (Air, Water, Soil) Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					
8. a) Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium. The size of the WMF should not affect the likelihood of the objective being met.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Social Objectives					
5. Participation by all To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5. a) To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a correlation between the size of a facility and opportunities for communities to be involved in planning decisions in Worcestershire.
9. Access to Services To improve the quality of and accessibility to local services and facilities					
9.a) To improve accessibility to kerbside recycling and civic amenity sites	As above	O (P)	O (P)	O (P)	Certainty of effect = High Unlikely to be a correlation between the size of a facility and the provision of kerbside recycling and access to civic amenity sites.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
12. Health					
To improve the health and well being of the population and reduce inequalities in health					
12. a) To reduce respiratory diseases/allergy related illness	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely that the option will affect the objective.
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely that the option will affect the objective.
13. Provision of housing					
Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing development in particular the re-use of construction and demolition waste.	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium. The size of the facility is unlikely to determine whether the objective is met. Would be dependant on the type of facility.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
13.b) Promote the provision of recycling facilities within new housing developments	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a link with a WMF being developed and developer including recycling facilities in new housing developments.
14. Population 1 (Learning and Skills) To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally responsible activities	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely to be a correlation between the size a facility and those taking part in environmentally responsible activities.
17. Population 2 (anti social behaviour, crime, litter, graffiti etc) Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	As above	O (P)	O (P)	O (P)	Certainty of effect = High Unlikely to be a correlation between the size a facility and the incidents of flytipping.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4.a) To encourage business development within the waste sector to achieve Government targets for waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a facility will go towards achieving Govt. targets. However a larger facility will provide greater economies of scale.
4.b) To encourage rural regeneration	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely to be a correlation between the size a facility and promoting rural regeneration. Promotion of rural regeneration would be more dictated by location.
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
6.a) To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium Dependant on specific nature of the WMF rather than the size.

Issue D Central/dispersed facilities

*** Option 1 Focus on centralising facilities but with dispersed facilities if justified**

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Environmental Objectives					
1. Waste					
Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource					
1. a) To minimise the production of waste generated	As above	O (P)	O (P)	O (P)	Certainty of effect = High The provision of a Waste Management Facility (WMF) will not impact on the generation of waste
2. Climate Change					
Reduce greenhouse gas contributions					
2.a) Minimise biodegradable waste going to landfill	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium No direct correlation
2.b) Maximise opportunities to generate power from methane at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely to be a correlation between the whether WMF are centralised and ability to generate power from methane at landfill sites.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
3. Transport					
To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium The effect is uncertain due to not knowing a location for a proposed WMF.
3.b) Promote transfer of waste by rail or water transport where appropriate	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = High The cost of installing infrastructure to enable the transportation of waste by rail and water would be more economically when facilities are centralised.
15. Cultural Heritage, Built Design and Archaeology					
Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium This would be dependent on the location of the WMF.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land					
16. a) To support the reuse of construction materials	As above	O (P)	O (P)	O (P)	Certainty of effect = High There is unlikely to be a link with this objective and whether WMFs are centralised.
16.b) To protect land from contamination arising from waste	As above	O (P)	O (P)	O (P)	Certainty of effect = High Whether the facilities are centralised or dispersed will not affect the likelihood of land contamination from waste.
16.c) To restore existing landfill sites to amenity purposes	As above	O (P)	O (P)	O (P)	Certainty of effect = High A landfill would be developed to deal with waste, not to for an amenity purpose.
10. Landscape					
Safeguard and strengthen landscape character					
10.a) Encourage design that is sensitive to the local vernacular, as defined by the county landscape character assessment and conservation appraisals	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium This will be dependant on the location of the WMF. All planned WMF need to take account of design issues.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
11. Biodiversity/Flora/Fauna					
Seek net gain to biodiversity at all levels					
11.a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium The effect cannot be predicted, because a location has not been selected.
7. Energy Generation and Use					
To increase the proportion of energy needs met from renewable sources					
7. a) In accordance with waste hierarchy support the generation of energy from waste	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = High Centralised facilities would make it economically more viable to generate energy from waste. Due to large amounts of waste being proceed in close proximity.
8. Natural Resources (Air, Water, Soil)					
Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					
8.a) Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Dust, odour, noise etc should be controlled on site. Whether facilities are centralised or dispersed should not affect this objective.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Social Objectives					
5. Participation by all To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5.a) To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire	As above	- (P)	- (P)	- (P)	Certainty of effect = Medium Centralised facilities have the potential to effect fewer people, this may result in less media and consultation across the County regarding waste planning. Potentially leading to fewer people being informed, thus reducing the opportunity to get involved.
9. Access to Services To improve the quality of and accessibility to local services and facilities					
9.a) To improve accessibility to kerbside recycling and civic amenity sites	As above	- (P)	- (P)	- (P)	Certainty of effect = Medium Centralising of facilities could decrease the viability of kerbside recycling, due to transportation cost. In addition if civic amenity sites were centralised, the accessibility to these sites

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					would be decreased for people living away from these areas
12. Health					
To improve the health and well being of the population and reduce inequalities in health					
12.a) To reduce respiratory diseases/allergy related illness	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely that the option will affect the objective. On site controls would be in place.
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely that the option will affect the objective. On site controls would be in place.
13. Provision of housing					
Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing development in particular the re-use of construction and demolition waste.	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium Cannot predict the effect of the option, as a location is not known.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
13.b) Promote the provision of recycling facilities within new housing developments	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a link with a WMF being developed and developer including recycling facilities in new housing developments.
14. Population 1 (Learning and Skills) To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally responsible activities	As above	-/? (P)	-/? (P)	-/? (P)	Certainty of effect = Medium Centralised facilities have the potential to effect fewer people across the County. Potentially this could mean that those who are not effect will not feel the need to become involved in community/environmentally responsible activities.
17. Population 2 (anti social behaviour, crime, litter, graffiti etc) Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	As above	-- (P)	-- (P)	-- (P)	Certainty of effect = High Centralising facilities will mean longer travel journeys to deposit waste for some, leading an

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					increase in the likelihood of flytipping.
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4.a) To encourage business development within the waste sector to achieve Government targets for waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a facility will go towards achieving Govt. targets for waste. However a larger facility will provide greater economies of scale.
4.b) To encourage rural regeneration	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium Effect cannot be predicated, as the location is not known could be urban or rural.
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
6.a) To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a new facility to deal with waste will enable an economic gain to be made from the recovery

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made and treatment of waste.
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	

Issue D Central/dispersed facilities

Option 2 Even split between central and dispersed facilities

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	

Environmental Objectives

1. Waste

Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource

1.a) To minimise the production of waste generated	As above	O (P)	O (P)	O (P)	Certainty of effect = High The provision of a Waste Management Facility (WMF) will not impact on the generation of waste
--	----------	-------	-------	-------	---

2. Climate Change

Reduce greenhouse gas contributions

2.a) Minimise biodegradable waste going to landfill	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Location option that will not have an effect
---	----------	-------	-------	-------	--

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
2.b) Maximise opportunities to generate power from methane at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely to be a correlation between the whether WMF are centralised or dispersed and ability to generate power from methane at landfill sites.
3. Transport To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium The effect is uncertain due to not knowing a location for a proposed WMF.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
3.b) Promote transfer of waste by rail or water transport where appropriate	As above	? (P)	? (P)	? (P)	Certainty of effect = High The cost of installing infrastructure to enable the transportation of waste by rail and water would be more economically viable when facilities are centralised. A split between centralising and dispersed WMF will result in an uncertain effect as it is not possible to predict if transport of waste by rail or water will be economically viable for this option.
15. Cultural Heritage, Built Design and Archaeology					
Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium This would be dependent on the location of the WMF.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land					
16.a) To support the reuse of construction materials	As above	O (P)	O (P)	O (P)	Certainty of effect = High There is unlikely to be a link with this objective and whether WMFs are centralised.
16.b) To protect land from contamination arising from waste	As above	O (P)	O (P)	O (P)	Certainty of effect = High Whether the facilities are centralised or dispersed will not affect the likelihood of land contamination from waste.
16.c) To restore existing landfill sites to amenity purposes	As above	O (P)	O (P)	O (P)	Certainty of effect = High A landfill would be developed to deal with waste, not to for an amenity purpose.
10. Landscape					
Safeguard and strengthen landscape character					
10.a) Encourage design that is sensitive to the local vernacular, as defined by the county landscape character assessment and conservation appraisals	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium This will be dependant on the location of the WMF. All planned WMF need to take account of design issues.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
11. Biodiversity/Flora/Fauna					
Seek net gain to biodiversity at all levels					
11.a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium The effect cannot be predicted, because a location has not been selected.
7. Energy Generation and Use					
To increase the proportion of energy needs met from renewable sources					
7.a) In accordance with waste hierarchy support the generation of energy from waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Centralised facilities would make it economically more viable to generate energy from waste. However it may not for the dispersed facilities.
8.) Natural Resources (Air, Water, Soil)					
Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					
8.a) Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Dust, odour, noise etc should be controlled on site. Whether facilities are centralised or dispersed should not affect this objective.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Social Objectives					
5. Participation by all To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5.a) To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire	As above	+/? (P)	+/? (P)	+/? (P)	Certainty of effect = Medium Centralised facilities have the potential to effect fewer people, this may result in less media and consultation across the County regarding waste planning. Potentially leading to fewer people being informed, thus reducing the opportunity to get involved. A spilt of central and dispersed may enable more people to be kept informed than if facilities were just centralised.
9. Access to Services To improve the quality of and accessibility to local services and facilities					
9.a) To improve accessibility to kerbside recycling and civic amenity sites	As above	+/? (P)	+/? (P)	+/? (P)	Certainty of effect = Medium Centralised and dispersed

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					facilities have the potential to improve accessibility to civic amenity sites kerb side recycling. This would be due to the industry and residents potentially have to travel fewer miles than if the facilities were centralised.
12. Health					
To improve the health and well being of the population and reduce inequalities in health					
12.a) To reduce respiratory diseases/allergy related illness	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely that the option will affect the objective. On site controls would be in place.
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely that the option will affect the objective. On site controls would be in place.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
13. Provision of housing					
Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing development in particular the re-use of construction and demolition waste.	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium Cannot predict the effect of the option, as a location is not known.
13.b) Promote the provision of recycling facilities within new housing developments	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a link with a WMF being developed and developer including recycling facilities in new housing developments.
14. Population 1 (Learning and Skills)					
To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally responsible activities	As above	-/? (P)	-/? (P)	-/? (P)	Certainty of effect = Medium Centralised facilities have the potential to effect fewer people across the County. Some dispersed facilities may result in more people being affected that then may encourage them to get involved in

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					community/environmentally responsible activities. However it is not certain as to if this would occur in reality.
17. Population 2 (anti social behaviour, crime, litter, graffiti etc)					
Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	As above	+/? (P)	+/? (P)	+/? (P)	Certainty of effect = High Some dispersed facilities will mean that for some there will be shorter distances to deposit waste. This in turn may lead to fewer incidents of flytipping.
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4. a) To encourage business development within the waste sector to achieve Government targets for waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a facility will go towards achieving Govt. targets. However a larger facility will provide greater economies of scale.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
4. b) To encourage rural regeneration	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium Effect cannot be predicated, as the location is not known could be urban or rural.
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
6. a) To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a new facility to deal with waste will enable an economic gain to be made from the recovery and treatment of waste.

Issue D Central/dispersed facilities

Option 3 Focus on dispersing facilities but with a Countywide/central service if justified

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Environmental Objectives					
1. Waste					
Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource					
1.a) To minimise the production of waste generated	As above	O (P)	O (P)	O (P)	Certainty of effect = High The provision of a Waste Management Facility (WMF) will not impact on the generation of waste
2. Climate Change					
Reduce greenhouse gas contributions					
2.a) Minimise biodegradable waste going to landfill	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Location option that will not have an effect
2.b) Maximise opportunities to generate power from methane at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely to be a correlation between the whether WMF are centralised or dispersed and ability to generate power from methane at landfill sites.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
3. Transport					
To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium The effect is uncertain due to not knowing a location for a proposed WMF.
3.b) Promote transfer of waste by rail or water transport where appropriate	As above	-- (P)	-- (P)	-- (P)	Certainty of effect = High The cost of installing the infrastructure to transport waste by rail or water will mean that it would not be economically viable for dispersed facilities.
15. Cultural Heritage, Built Design and Archaeology					
Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium This would be dependent on the location of the WMF.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land					
16.a) To support the reuse of construction materials	As above	O (P)	O (P)	O (P)	Certainty of effect = High There is unlikely to be a link with this objective and whether WMFs are centralised.
16.b) To protect land from contamination arising from waste	As above	O (P)	O (P)	O (P)	Certainty of effect = High Whether the facilities are centralised or dispersed will not affect the likelihood of land contamination from waste.
16.c) To restore existing landfill sites to amenity purposes	As above	O (P)	O (P)	O (P)	Certainty of effect = High A landfill would be developed to deal with waste, not to for an amenity purpose.
10. Landscape					
Safeguard and strengthen landscape character					
10.a) Encourage design that is sensitive to the local vernacular, as defined by the county landscape character assessment and conservation appraisals	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium This will be dependant on the location of the WMF. All planned WMF need to take account of design issues.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
11. Biodiversity/Flora/Fauna					
Seek net gain to biodiversity at all levels					
11.a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium The effect cannot be predicted, because a location has not been selected.
7. Energy Generation and Use					
To increase the proportion of energy needs met from renewable sources					
7.a) In accordance with waste hierarchy support the generation of energy from waste	As above	- (P)	- (P)	- (P)	Certainty of effect = Medium Dispersed WMF would make it less economically viable to generate energy from waste. The waste generated will be dispersed for treatment at different locations. Resulting in less waste in one location that could potential be converted into energy.
8. Natural Resources (Air, Water, Soil)					
Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					
8.a) Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Dust, odour, noise etc should be controlled on

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					site. Whether facilities are centralised or dispersed should not affect this objective.
Social Objectives					
5. Participation by all To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5.a) To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = Medium Dispersed facilities have the potential to have County wide media and consultation coverage having the potential to keep people informed and providing the opportunity to get involved in waste planning.
9. Access to Services To improve the quality of and accessibility to local services and facilities					
9.a) To improve accessibility to kerbside recycling and civic amenity sites	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = Medium Dispersed facilities have the potential to improve accessibility to civic amenity sites kerb side

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
					recycling to people across the County.
12. Health					
To improve the health and well being of the population and reduce inequalities in health					
12.a) To reduce respiratory diseases/allergy related illness	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely that the option will affect the objective. On site controls would be in place.
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium Unlikely that the option will affect the objective. On site controls would be in place.
13. Provision of housing					
Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing development in particular the re-use of construction and demolition waste.	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium Cannot predict the effect of the option, as a location is not known.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
13.b) Promote the provision of recycling facilities within new housing developments	As above	O (P)	O (P)	O (P)	Certainty of effect = Medium There is unlikely to be a link with a WMF being developed and developer including recycling facilities in new housing developments.
14. Population 1 (Learning and Skills) To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally responsible activities	As above	-/? (P)	-/? (P)	/? (P)	Certainty of effect = Medium Facilities on the 'doorstep' may encourage more people to get involved in community/environmentally responsible activities. However it cannot be certain as to if this would occur in reality.
17. Population 2 (anti social behaviour, crime, litter, graffiti etc) Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	As above	++ (P)	++ (P)	++(P)	Certainty of effect = High Dispersed facilities will mean that for some there will be shorter distances to deposit waste. Which could lead to fewer flytipping

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made incidents.
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4.a) To encourage business development within the waste sector to achieve Government targets for waste	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a facility will go towards achieving Govt. targets. However a larger facility will provide greater economies of scale.
4.b) To encourage rural regeneration	As above	? (P)	? (P)	? (P)	Certainty of effect = Medium Effect cannot be predicated, as the location is not known could be urban or rural.
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Providing a new facility to deal with waste will enable an economic gain to be made from the recovery and treatment of waste.

Issue E BPEO

Option 1 Accept BPEO

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Environmental Objectives					
1. Waste					
Manage the waste streams in accordance with the waste hierarchy, encouraging reuse and recovery addressing waste as a resource					
1.a) To minimise the production of waste generated	As above	+ (P)	+ (P)	++ (P)	Certainty of effect = High Estech application. Recycling etc. rates will increase over time
2. Climate Change					
Reduce greenhouse gas contributions					
2.a) Minimise biodegradable waste going to landfill	As above	+ (P)	+ (P)	++ (P)	Certainty of effect = High Estech application. Recycling etc. rates will increase over time
2.b) Maximise opportunities to generate power from methane at landfill sites	As above	- (P)	- (P)	-- (P)	Certainty of effect = High Looking to reduce waste disposed of to landfill = low chance of generating power.
3. Transport					
To reduce traffic volumes					
3.a) Ensure the disposal of waste as close to point of origin as practicable	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = High BPEO guidance considers location of facility.
3.b) Promote transfer of waste by rail or water transport where	As above	O (P)	O (P)	O (P)	No direct correlation.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
appropriate					
15. Cultural Heritage, Built Design and Archaeology					
Conserve and enhance the historic environment and encourage the re-use of existing buildings.					
15.a) Promote design concepts for new buildings that are informed by the local vernacular. The siting of new waste management facilities should not have a detrimental effect on the setting and in-situ conservation of historic buildings, areas, landscapes or archaeological remains.	As above	O (P)	O (P)	O (P)	No direct correlation.
16. Material Assets					
Ensure efficient use of land through safeguarding of mineral reserves, the best and most versatile agricultural lands and land of Green Belt value and maximise use of previously developed land					
16.a) To support the reuse of construction materials	As above	+ (P)	+ (P)	++ (P)	BPEO document. Guidance considers location of facility.
16.b) To protect land from contamination arising from waste	As above	O (P)	O (P)	O (P)	No direct correlation.
16.c) To restore existing landfill sites to amenity purposes	As above	O (P)	O (P)	O (P)	No direct correlation
10. Landscape					
Safeguard and strengthen landscape character					
10.a) Encourage design that is sensitive to the local	As above	O (P)	O (P)	O (P)	No direct correlation

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
vernacular, as defined by the county landscape character assessment and conservation appraisals					
11. Biodiversity/Flora/Fauna					
Seek net gain to biodiversity at all levels					
11.a) To assist in meeting Worcestershire Biodiversity Action Plan targets during the lifetime of the Waste Core Strategy	As above	O (P)	O (P)	O (P)	No direct correlation
7. Energy Generation and Use					
To increase the proportion of energy needs met from renewable sources					
7.a) In accordance with waste hierarchy support the generation of energy from waste	As above	+ (P)	+ (P)	++ (P)	Certainty of effect = High The BPEO supports the generation of energy from waste when in accordance with the waste hierarchy.
8. Natural Resources (Air, Water, Soil)					
Protect and improve standards of air, water and soil quality ensuring prudent use of natural resources					
8.a) Minimise the creation of dust, odour and noise and other pollutants in the vicinity of waste station/facilities	As above	O (P)	O (P)	O (P)	No direct correlation

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Social Objectives					
5. Participation by all To provide opportunities for communities to participate in and contribute to the decisions that affect their neighbourhoods and quality of life					
5.a) To provide opportunities for communities to participate in and contribute to waste planning decisions within Worcestershire	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = High BPEO document involved consultations and public participation
9. Access to Services To improve the quality of and accessibility to local services and facilities					
9.a) To improve accessibility to kerbside recycling and civic amenity sites	As above	O (P)	O (P)	O (P)	No direct correlation
12. Health To improve the health and well being of the population and reduce inequalities in health					
12.a) To reduce respiratory diseases/allergy related illness	As above	O (P)	O (P)	O (P)	No direct correlation
12.b) To limit environmental impacts of waste treatment facilities on the local population including pest species at landfill sites	As above	O (P)	O (P)	O (P)	No direct correlation
13. Provision of housing Provide housing of the right quantity type, tenure ensuring affordability for local needs, in clean, safe and pleasant local environment					
13.a) Encourage the use of sustainable building technologies in new housing	As above	O (T)	+ (P)	+ (P)	Certainty of effect = Medium More facilities/more

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
development in particular the re-use of construction and demolition waste.					recycled C & D available might increase usage
13.b) Promote the provision of recycling facilities within new housing developments	As above	O (P)	O (P)	O (P)	No direct correlation
14. Population 1 (Learning and Skills) To raise the skills level and qualifications of the population					
14.a) To encourage engagement in community/environmentally responsible activities	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium BPEO seeks more recycling/composting – more facilities – more involvement from the community. However it will still be up to the individual as to if they wish to participate.
17. Population 2 (anti social behaviour, crime, litter, graffiti etc) Encourage pride and social responsibility in the local community					
17.a) Reduce the number of fly tipping incidents	As above	+ (P)	+ (P)	+ (P)	Certainty of effect = Medium Supports provisions of facilities, if there are more facilities in which to deposit waste people are less likely to flytip.

Sustainability Objective	Baseline/Indicator for all options	Impact			Justification Noting: <ul style="list-style-type: none"> • Certainty of effect occurring – Low, Medium, High • Evidence • Assumption made
		Short (within the period of the WCS) 5 years	Medium (beyond the plan period of the WCS) 5 years to end of Plan period	Long Beyond Plan period	
Economic Objectives					
4. Growth with prosperity for all					
Develop a knowledge-driven economy, the infrastructure and skills base whilst ensuring all have access to the benefits					
4.a) To encourage business development within the waste sector to achieve Government targets for waste	As above	+ (P)	+(P)	++ (P)	Certainty of effect = High BPEO encourages development of facilities and flexible to new tech e.g. Estech
4.b) To encourage rural regeneration	As above	O (P)	O (P)	O (P)	No direct correlation
6. Technology, Innovation and Inward Investment					
Promote and support the development of new technologies especially those with high value and low impact					
6.a) To make an economic gain from the recovery and treatment of waste streams wherever this is environmentally acceptable	As above	++ (P)	++ (P)	++ (P)	Certainty of effect = High BPEO encourages development of facilities and flexible to new tech e.g. Estech

6. Technology
Promote and s