

Mercia EnviRecover

**ENERGY FROM WASTE FACILITY
HARTLEBURY TRADING ESTATE, HARTLEBURY,
WORCESTERSHIRE**

SITE OPERATIONAL TRAVEL PLAN

Prepared on behalf of:

The logo for axis consists of the word "axis" in a white, sans-serif font, centered within a solid blue square.

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1.0 INTRODUCTION

- 1.1 This report has been prepared to discharge Condition 8 to the Planning Consent for the EnviRecover scheme (CPA Ref: 10/000032/CM, SoS Call-In Ref: APP/E1855/V/11/2153273). This condition states the following:

“Condition 8 – Travel Plan

The route to be used for vehicle access during operation of the development hereby approved shall only be in accordance with a Travel Plan to be submitted to and approved in writing by the County Planning Authority prior to the operation of development”

- 1.2 This Travel Plan provides an update and re-affirmation of information provided in the Transport Assessment that accompanied the planning application for EnviRecover, prepared in 2010. The Transport Assessment demonstrated that the normal traffic associated with the operation of EnviRecover would not have an adverse impact on the local highway network, and this assessment is not revisited within this Travel Plan. In general the proposals in the Travel Plan reflect the intentions of Mercia Waste Management (MWM), and sister operating company Severn Waste Services (SWS), that operational HGV traffic approaching and leaving the site should seek to utilise the shortest, and most appropriate route option, having regard to the suitability of the local road network, relevant highways constraints and the sensitivities of the local community.
- 1.3 With regard to the last point, MWM has engaged continuously with the local community during the planning and delivery of the EnviRecover facility and the Travel Plan has been drafted to reflect direct concerns raised on traffic and routing issues.

2.0 TRAFFIC ARISING

2.1 Traffic arisings for EnviRecover will comprise the following elements:

- *Waste Delivery Vehicles* - broadly in three forms; Refuse Collection Vehicles (RCVs) from District Council collection rounds in close proximity to EnviRecover; SWS's bulk waste haulage vehicles delivering in from more remote waste transfer stations; and bulk waste haulage vehicles from SWS's household recycling centres located across Worcestershire and Herefordshire.
- *Other Heavy Goods Vehicles (HGVs)* - delivering both consumables for the plant's operation and removal of waste products away from site. In numerical terms most of this traffic will relate to deliveries of lime and the export of Incinerator Bottom Ash (IBA), and Air Pollution Control residues (APCr).
- *Staff and visitors' cars, and light traffic associated with consumables and services.*

3.0 ROUTING OF VEHICLE MOVEMENTS

Waste Delivery Traffic & HGV Routing Principles

3.1 Having regard to the intentions set out in the section 1 to this Travel Plan, the following routing principles will be observed with respect to waste delivery vehicles and other HGV traffic (see also **Figure 1**):

- A. Main waste vehicle / HGV access to the EnviRecover site on the Hartlebury Trading Estate will be off Crown Lane, connecting to its junction with the A449. Access to the site from the northern entrance to the Trading Estate on Walton Road via Worcester Road Hartlebury and Hartlebury village centre will not be permitted.
- B. The A449, to the north and south of the Crown Lane junction, are designated as the main conduit for all waste delivery and HGV traffic.
- C. Further afield, waste delivery & HGV traffic to EnviRecover will be discouraged/prohibited from the following routes, potential constraints and 'pinch points:'
 - Ombersley village centre, the Old Worcester Road and approaches from the west (A443), and the east (A4133).
 - Height restricted (4.10m or 13ft 6inches) railway underbridge (The Black Bridge) on the A450 close to the junction with the A449.
 - C Class roads and lanes giving access to the Hartlebury Trading Estate from the east and specifically the A442, including the section of Crown Lane to the east of the Trading Estate access.

- D. Subject to contractual arrangements, consumables deliveries and visiting service vehicles using the M5 will be encouraged / enforced by contract to access and exit the motorway at Junction 6, and specifically to avoid access via Junction 5 and the connecting A38 / A4133 route.
- E. The only exceptions/exemptions to the above routing strategy will be a) local waste collection traffic and common service vehicles (say fuel deliveries) requiring collection / delivering along, and, b) in the vicinity of, the 'prohibited' routes, and from villages in the vicinity of Hartlebury. In these circumstances, the presence of site related HGVs is unavoidable and wider diversionary routes would be impractical.

3.2 As a consequence of adherence to the above principles it is proposed that the following waste delivery / HGV traffic routing will be adopted:

- Malvern Hills, Worcester City and Wychavon District waste collection traffic - approach from the south via the A449 to the junction with Crown Lane. The only exceptions being Wychavon District RCVs serving collection rounds in the immediate vicinity of Hartlebury.
- Wyre Forest RCVs and some from Bromsgrove District (with collections closest to the EnviRecover site) - approach on the A449 from the north and via the A448 and A450, subject to height restriction, see 3.3.2.
- SWS bulk haulage vehicles - routing as set out in the attached **Appendix 1**.

- Delivery of consumables and removal of IBA and APCr. At the time of commissioning, it is expected that:
 - i. Lime deliveries will arrive from the Midlands via the M5 J6 and using A449 south.
 - ii. IBA will be exported from EnviRecover, using SWS vehicles, to the Company's Hill and Moor Landfill near Pershore, via the A449 south to M5 J6 and onwards via M5 / A44.
 - iii. APCr material will be exported out-of-County from EnviRecover for treatment / disposal via A449 south to M5 J6.

Staff and Visitors' Private Cars and other Light Traffic

- 3.3 Staff and visitors will be encouraged to adopt and abide by the principles set out in section 3.0 above so far as they apply to their needs. In particular staff will be discouraged to access the Trading Estate site via the northern access from Walton Road or utilise the eastern rural lane section of Crown Lane.

4.0 VEHICLE ROUTE ENFORCEMENT

4.1 All agencies operating HGVs for the delivery of goods and services at EnviRecover will be encouraged or mandated to comply with the principles of this Travel Plan. Enforcement of HGV operating procedures will be delivered as follows:

- *Waste Deliveries (Kerbside Collection):* Vehicle routing objectives would be reinforced via liaison with the County Council as Waste Disposal Authority and the District Councils as Waste Collection Authorities.
- *Waste Deliveries (Bulk waste from Transfer Stations or Household Recycling Centres):* Such traffic is wholly under MWM / SWS control and therefore vehicle routing would be set out as part of company driver routing procedures.
- *Delivery of Consumables / Removal of IBA / APCr:* vehicle routing can be specified with appropriate haulage contractors via conditions of contract.

4.2 Ultimately it is proposed that the operation of the HGV routing strategy set out in this Travel Plan would be supported by a range of practical management / monitoring measures, including:

- Driver information / training and provision of copies of the appropriate HGV routing plans to drivers;
- Driver disciplinary procedures, including banning from site / dismissal should repeated flouting of the adopted routing strategy be identified;
- Community liaison and encouragement of local residents to report incorrectly driven vehicles.

- 4.3 Any reported incidents of breaches of the HGV routing strategy will be investigated and acted upon.

5.0 TRAFFIC SCHEDULING & MONITORING

- 5.1 Whilst EnviRecover will be operating 24/7 it is expected that virtually all operational HGV traffic will arrive and depart during normal working hours, say 07.00 to 19.00 hours.
- 5.2 HGV access will be weighbridge controlled at EnviRecover, and weighbridge availability hours are 06.00 – 19.00 hrs seven days per week.
- 5.3 Full records of HGV arrival / departure times from the EnviRecover site will be recorded and will be made available to the local highway authority for review within 1 month of any formal written request.

6.0 MEASURES TO ENCOURAGE STAFF / VISITOR TRAVEL TO THE ENVIRECOVER SITE USING ALTERNATIVE TRAVEL MODES TO THE PRIVATE CAR

6.1 Whilst located at the centre of municipal waste arisings as a reflection of the nature of the proposal scheme, the EnviRecover proposal site is located away from immediate major centres of population. On the basis of this locational characteristic, opportunities for staff / visitor access to the site via sustainable travel modes such as walking, cycling and public transport are anticipated to be generally limited. It is therefore envisaged that the majority of regular staff / visitors to the proposed EnviRecover facility would likely travel to the site using the private car. Given the generally low levels of staff numbers to be based at the EnviRecover site, however, it is not anticipated that the proposal scheme would give rise to a significant demand for staff / visitor private vehicle travel.

6.2 Physical and Operational initiatives to be promoted at the EnviRecover site at Hartlebury to encourage travel to the site to manage car travel demand and encourage greater trip movement by sustainable travel modes include:

Physical Travel Plan Measures:

- Provision of a suitable level of secure / covered cycle parking;
- Provision of staff changing, showering and locker facilities;
- Provision of staff mess / food preparation area to discourage staff from travelling off site at lunch times;
- Provision of a Travel Plan noticeboard at the site.

Operational Travel Plan Measures:

- Liaison with Worcestershire County Council to ensure that up to date public transport / cycle maps and information is available on site;

- Offering of interest free cycle loan system via DfT 'Cycle to work scheme'
- Free fluorescent bibs to be made available to all regular staff walk / cycle users;
- Encouraging staff to take part in a car sharing scheme;
- Development of a guaranteed taxi ride home scheme for staff utilising alternative Travel Modes to the private car, if asked to work late at short notice, or in a family emergency situation;
- Promotion of suitable national and local travel campaigns supporting the use of sustainable (non-car) transport options such as national bike week.

6.3 The Management and the delivery of the Travel Plan process will be achieved through the identification of a suitable person to undertake the role of Travel Plan Co-ordinator (TPC) as part of their duties. The TPC will provide an important role in the delivery of a successful plan throughout the lifetime of the development scheme and therefore it is proposed that in the case of the EnviRecover scheme, the site 'Facilities Supervisor' will adopt the position of TPC for the site.

6.4 The TPC is an essential role and will act as the focus / driving force for the development of plan measures and day to day operation. Once appointed, the TPC will act as the main contact for the plan and will be responsible for implementing plan measures, involving new staff and reviewing the operation of the plan. The TPC role will be formally designated two months before the EnviRecover becomes fully operational, so as to ensure that the Travel Plan can have maximum exposure from 'day one'. The TPC will be able to delegate some duties to other suitable nominated staff, as required, but will retain overall responsibilities for all matters relating to the operation of the plan.

6.5 The TPC will act as the main liaison between staff, site management and the WCC Travel Plan Officer with respect to Travel Plan matters. The TPC will also be the first point of contact in all matters regarding

development HGV traffic, employee travel and the management of physical travel & transport facilities within the site boundary. Key role and responsibilities of the TPC will be as follows, with a copy of the Travel Plan Action Plan included as **Appendix 2**:

- Managing the development and implementation of the plan;
- Setting up and maintaining a car sharing database;
- Liaising with public transport operators and officers at WCC to ensure up-to-date public transport / general sustainable travel information is available at the site;
- Ensuring that all staff are aware of the opportunities bike purchase salary schemes and managing applications;
- Managing the 'emergency ride home' scheme for staff;
- Monitoring the operation of the Travel Plan and the success of initiatives.



FIGURES

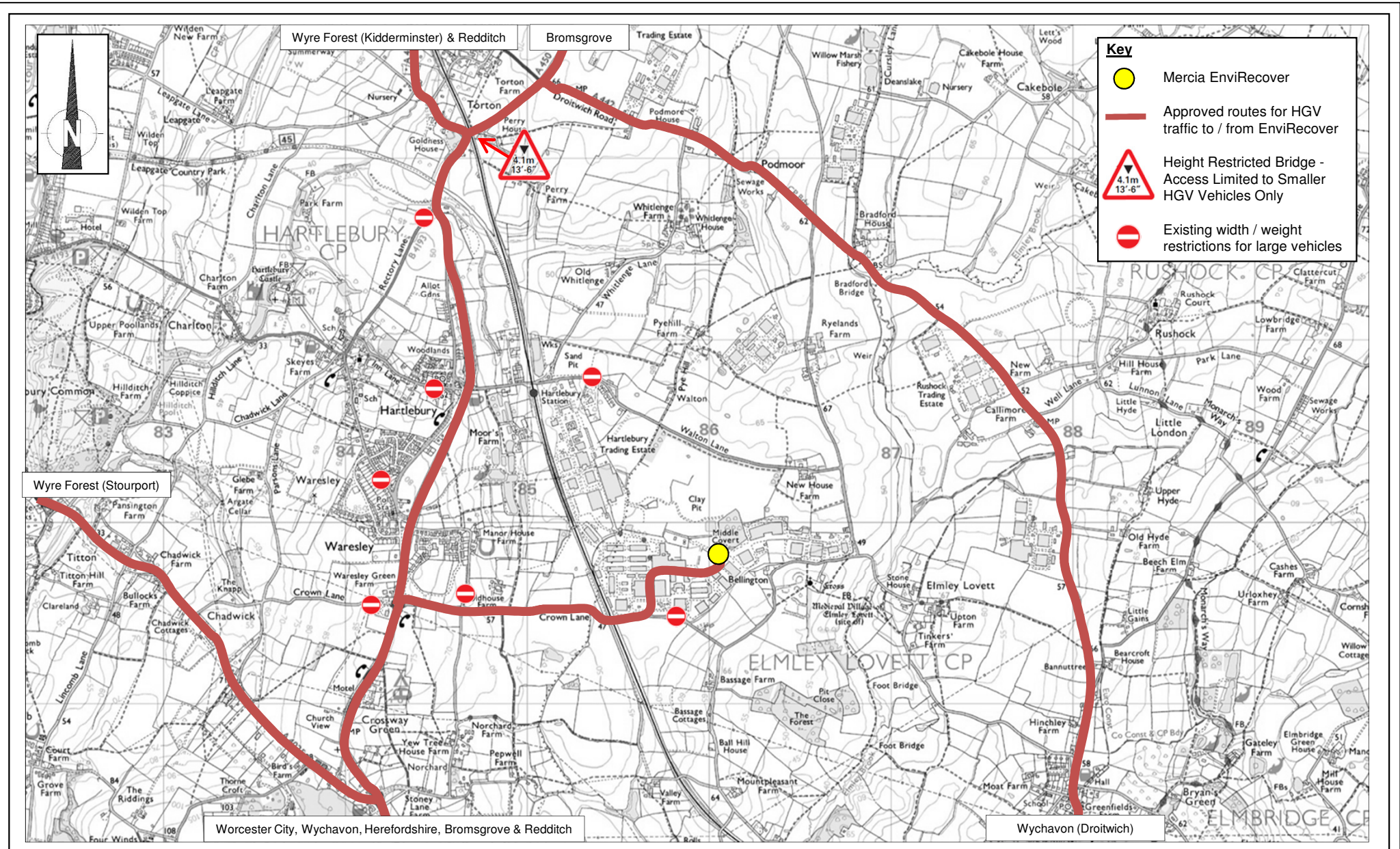


Figure 1

Proposed Immediate Local Routing Options for Operational HGV Traffic Serving Mercia EnviRecover

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1557-01

Mercia EnviRecover, Hartlebury Trading Estate

April 2016



APPENDICES

Appendix 1 Transport Routes for SWS vehicles to EnviRecover EfW

| START POINT | TRANSPORT ROUTE | DISTANCE KM (ONE WAY) |
|-------------------------------|---|-----------------------------|
| EnviroSort | B4084 – M5 – A449 | 25.0 |
| Bromsgrove (Quantry Lane) HWS | A491 – A456 – A449 | 25.0 |
| Bromsgrove Transfer Station | A38 – B4184 – A448 – A450 – A449 | 26.6 |
| Return Route | A449 – A4133 – A38 | 23.2 |
| Bromyard HWS | A44 – A4440 – M5 - A449 | 48.9 |
| Alternative Route | A44 – A38 – A449 | 38.8 |
| Ledbury HWS | A449 – A417 – M50 – M5 – A449 | 63.3 |
| Malvern HWS | A449 – A4440 – M5 – A449 | 33.9 |
| Alternative Route | A449 – A44 – A38 – A449 | 27.2 |
| Upton upon Severn HWS | B4211 – A4104 – A38 – A4440 – M5 – A449 | 38.7 |
| Alternative Route | B4211 – A4104 – A38 – M50 – M5 – A449 | 46.9 |
| Redditch TS & HWS | A4189 – A448 – A449 | 37.8 |
| Alternative Route | A4189 – A448 – A38 – M5 – A449 | 47.6 |
| Worcester East HWS | B4482 – A38 - A449 | 15.8 |
| Worcester West HWS | A443 – A44 – A38 - A449 | 20.2 |
| Droitwich HWS | B4090 – A38 – A442 – A450 – A448 – A449 | 30.8 |
| Return Route | A449 – A4133 – A38 – B4065 – B4090 | 20.0 |
| Pershore HWS | A44 – A4538 – A499 | 31.4 |
| Stourport HWS | A451 – A4025 – A449 | 8.8 |
| Hereford TS & HWS | B4399 - A49 – A40 – M50 – M5 – A449 | 97.0 |
| Leominster TS & HWS | A44 – A49 – A456 – A443 – A451 – A4025 – A449 | 54.1 |
| Alternative Routes | A44 – A4440 – M5 - A449 | 71.2 |
| | A44 – A38 – A449 | 59.7 |
| Tenbury Wells HWS | B4214 - A456 – A443 – A451 – A4025 – A449 | 36.4 |
| Ross-on-Wye HWS | A40 – M50 – M5 – A449 | 75.1 |
| Kidderminster HWS | A449 | 8.0 |
| Kington HWS | A44 – A49 – A456 – A443 – A451 – A4025 – A449 | 75.7 |

HWS – Household Waste Site
TS - Transfer Station

APPENDIX 2

MERCIA ENVIRECOVER SCHEDULE OF TPC DUTIES AND ACTION PLAN

SETTING UP

| Task | Implementation Date | Responsible | Comments | Completed? |
|---|---|---------------|---|------------|
| Appoint TPC | | Site Operator | To be in place at least 2 months before initial site occupation | |
| Provide TPC contact details to WCC Travel Plan Officer | | TPC | Upon establishing site TPC role Contact: Serena Jenner sjenner@worcestershire.gov.uk | |
| Set up Travel Plan working file | On TPC appointment | TPC | This will also be very useful when completing annual reports | |
| Delegate Travel Plan duties (where relevant) | On TPC appointment | TPC | | |
| Ensure that interest free staff cycle to work scheme is set up and ready | 2 months prior to opening of facility | TPC | Check with wider company personnel department | |
| Set up staff address database to allow for staff car share matching | On confirmation of permanent staff list | TPC | | |
| Define procedure for staff 'emergency ride home' scheme | 2 months prior to opening of facility | TPC | Agree with company personnel department | |
| Contact WCC / relevant public transport operators | 2 months prior to opening of facility | TPC | Obtain relevant public transport timetables and maps | |
| Ensure that all on-site walking and staff cycle facilities are in place and fit for purpose | 2 weeks prior to opening of facility | TPC | Review of site with contractor. | |

LAUNCH

| Task | Implementation Date | Responsible | Comments | Completed? |
|---|-----------------------------------|-------------|---|------------|
| Ensure that all permanent staff are made aware of Travel Plan as part of induction procedures | As part of staff induction | TPC | | |
| Prepare Travel Plan Noticeboard | At least 2 weeks prior to opening | TPC | Contact WCC Travel Plan Co-ordinator for posters and leaflets | |

ON-GOING DUTIES

| Task | Implementation Date | Responsible | Comments | Completed? |
|--|------------------------------|------------------------|--|------------|
| Liaise with WCC Travel Plan coordinator where appropriate | As required | TPC | | |
| Provide promotional Travel Data and health campaign information on display and keep up-to-date | Review every 3 months | TPC | | |
| Promote and support national and local campaigns | Review annually | TPC | | |
| Check on-site cycle facilities | Formal review every 3 months | TPC / Building Manager | Contact building management if repairs / improvements required | |

MONITORING

WITHIN 2 MONTHS POST INITIAL SITE OCCUPATION

| Task | Implementation Date | Responsible | Comments | Completed? |
|--|------------------------------------|--------------------|--|-------------------|
| Monitor travel patterns | 2 months after opening of facility | TPC | Simple spot survey of staff postcode / shift times / travel mode | |
| Undertake audit of Travel Plan and modify any measures where appropriate | 2 month after survey | TPC | Provide copy of audit report to WCC Travel Plan Officer within 2 months of survey completion sjenner@worcestershire.gov.uk | |
| Update Travel Plan Noticeboard to reflect survey results | 2 month after survey | TPC | | |

ANNUAL REVIEW

| Task | Implementation Date | Responsible | Comments | Completed? |
|--|----------------------------|--------------------|--|-------------------|
| Monitor travel patterns | Annually | TPC | Simple spot survey of staff postcode / shift times / travel mode. Report | |
| Undertake audit of Travel Plan and modify any measures where appropriate | Annually | TPC | Provide copy of audit report to WCC Travel Plan Officer within 2 months of survey completion sjenner@worcestershire.gov.uk | |
| Update Travel Plan Noticeboard to reflect survey results | Annually | TPC | | |