

## H1 ENVIRONMENTAL RISK ASSESSMENT

### PART A: AMENITY AND ACCIDENTS

#### ODOUR

| Hazard           | Receptor                          | Pathway | Risk Management                         | Probability of Exposure | Consequence     | Overall Risk    |
|------------------|-----------------------------------|---------|---|-------------------------|-----------------|-----------------|
| Odour from waste | Neighbouring parties<br><50m away | Air     | Only non-biodegradable wastes accepted. | Not very probable       | Odour annoyance | Not significant |

#### NOISE & VIBRATION

| Hazard   | Receptor                          | Pathway | Risk Management  | Probability of Exposure | Consequence         | Overall Risk    |
|--|-----------------------------------|---------|--|-------------------------|---------------------|-----------------|
| Engine noise from plant and vehicle movements  | Neighbouring parties<br><50m away | Air     | Speed limit enforced for vehicles on site. Vehicle movements limited by operating hours. Maintenance of plant. | Not very probable       | Noise annoyance     | Not significant |
| Noise of waste movements by plant and vehicles | Neighbouring parties<br><50m away | Air     | Speed limit enforced for vehicles on site. Vehicle movements limited by operating hours. Maintenance of plant. | Not very probable       | Noise annoyance     | Not significant |
| Noise from reverse warnings                    | Neighbouring parties<br><50m away | Air     | Speed limit enforced for vehicles on site. Vehicle movements limited by operating hours.                       | Not very probable       | Noise annoyance     | Not significant |
| Noise from waste operations, i.e. screening    | Neighbouring parties<br><50m away | Air     | Speed limit enforced for vehicles on site. Vehicle movements limited by operating hours. Maintenance of plant. | Not very probable       | Noise annoyance     | Not significant |
| Vibration from plant and vehicle movements     | Neighbouring parties<br><50m away | Ground  | Speed limit enforced for vehicles on site. Vehicle movements limited by operating hours. Maintenance of plant. | Not very probable       | Vibration annoyance | Not significant |

## FUGITIVE EMISSIONS

| Hazard                                     | Receptor   | Pathway       | Risk Management  | Probability of Exposure | Consequence                    | Overall Risk                         |
|--|--|---------------|--|-------------------------|--------------------------------|--------------------------------------|
| Dust from waste treatment i.e. screening   | Neighbouring parties <50m away                                     | Air           | Visual inspection - site manually checked daily or when deemed necessary in dry/windy conditions. Entries in site diary. Use of dust suppression. Ability to cease operations if conditions prevail.   | Probable                | Dust nuisance                  | Not significant if managed carefully |
| Dust from stored waste                     | Neighbouring parties <50m away                                     | Air           | Visual inspection - site manually checked daily or when deemed necessary in dry/windy conditions. Entries in site diary. Use of dust suppression. Ability to cease operations if conditions prevail.   | Probable                | Dust nuisance                  | Not significant if managed carefully |
| Runoff from sludges                        | Neighbouring parties <50m away.<br>Local watercourses, groundwater | Site drainage | Only non-biodegradable wastes accepted. Sludges only accepted in non-liquid form, i.e. Filter cake. Any liquids stored in secure containers with secondary protection.   |                         |                                |                                      |
| Litter from waste storage and/or treatment | Neighbouring parties <50m away                                     | Air           | Only non-biodegradable wastes accepted. Visual inspection - site manually checked daily or when deemed necessary in dry/windy conditions. Entries in site diary. Use of dust suppression. Ability to cease operations if conditions prevail. | Not very probable       | Litter nuisance                | Not significant                      |
| Litter from vehicle movements              | Neighbouring parties <50m away                                     | Air           | Only non-biodegradable wastes accepted. Screens to be lowered on vehicles entering/leaving site if necessary. Visual inspection - manual checking of each vehicle.   | Not very probable       | Litter nuisance                | Not significant                      |
| Pests from waste storage                   | Neighbouring parties <50m away                                     | Ground        | Only non-biodegradable wastes accepted. Visual inspection - individual loads manually checked. Entries in site diary. Waste storage limited by permit. Pest control if necessary.  | Not very probable       | Pest nuisance                  | Not significant                      |
| Runoff from site operations                | Local watercourses - IZONS Brook, River Tame (Oldbury Arm)         | Site drainage | Visual inspection - site manually checked daily or when deemed necessary. Entries in site diary.   | Not very probable       | Pollution of controlled waters | Very insignificant                   |

**ACCIDENTS**

| <b>Hazard</b>                | <b>Receptor</b>  | <b>Pathway</b>       | <b>Risk Management</b>   | <b>Probability of Exposure</b> | <b>Consequence</b>                                 | <b>Overall Risk</b> |
|------------------------------|--|----------------------|--|--------------------------------|--|---------------------|
| Leak from onsite oil storage | Local watercourses, groundwater                                    | Site drainage        | Staff trained to react. Spillage procedure in EMS to be followed.  | Not very probable              | Pollution of controlled waters                     | Very insignificant  |
| Fire in waste materials      | Neighbouring parties <50m away.<br>Local watercourses, groundwater | Air, drainage system | Only non-biodegradable wastes accepted.<br>Staff trained to react. Fire procedure in EMS to be followed. | Not very probable              | Pollution to air<br>Pollution to controlled waters | Not significant     |

**PLEASE NOTE: This document is to be used in conjunction with the full written Environmental Management System and procedures.**