

World Care Wales – Permit Variation - Non Technical Summary

Waste acceptance (current)

Currently incoming waste skips are tipped out into the yard and are in the main part sorted through by hand, mechanical plant equipment is used to move and turn the waste to facilitate hand picking.

Industry guidelines issued by the HSE and the Waste Industry Safety and Health forum would indicate that the manual picking of wastes in this way could lead to health risks caused by site workers continuously stooping down to pick waste along with the potential for harm from lifting wastes during the picking/sorting process, additionally there is an additional risk of harm from the movement of mobile plant in close proximity to site staff.

Waste Acceptance (proposed)

Once the requested variation to the permit has been granted incoming wastes will still be tipped into the yard area. The wastes will then be picked up either by a mechanical shovel or grab and will be placed into a Trommel screen in the yard area. Wastes leaving the screen will travel along a slow moving conveyor whereupon the site staff will be able to manually pick and sort the waste, the remaining wastes will pass under a overband magnet to extract ferrous metals before falling of the conveyor into a skip, as the wastes fall a mechanical blower will separate out the remaining paper and card and blow it securely into a caged area.

The proposed process provides a safe working environment for the staff while allowing greater efficiency and recycling rates for the operator.

The new picking line is in character with and compliments the current waste management activities and it is to be placed on the permitted area of the site which itself is located on an industrial site with neighbouring waste management activities such as an ELV ATF which are not operated by World Care.