

Raw materials and Waste reduction

Raw materials

There are no raw materials as such used by Axion, during the production of its saleable plastic pellets. Shredder and other residues, regulated as a waste material, are inputted into the various treatment activities on site to produce a saleable commodity which is not a waste.

Water is used in the initial process in the sink float tanks as part of the density separation process.

Other substances used on-site during waste treatment activities include the consumption of propane or oxygen-acetylene for use in the processing and maintenance.

Waste reduction

The Axion site is the final stage in the S Norton/Axion process and they have invested heavily in its operations to reduce its waste output to landfill. The main investment is the development of the Shredder Waste Advanced Processing Plant (SWAPP) based in Trafford Park Manchester (EAWML 53458). All waste by-products (shredder residue) produced from the companies 2 No. metal fragmentiser are processed further through the SWAPP to ensure optimum recovery of ferrous and non-ferrous metals and other non-metallic fractions such as plastics.

The SWAPP based at Trafford Park, assist the UK in meeting its recycling obligations as it provides evidence of recovery to various producer compliance schemes. The SWAPP assists S. Norton to divert considerable tonnages of waste (shredder residues) away from landfill reducing costs, avoiding disposal and improving its performance on the waste hierarchy.

The Salford site deals with the processed shredder residue arising from the processing of SMW and automotive derived residue. The site provides a valuable separation process in its ability to separate out the POPs containing fraction from the other lighter fraction which can be further processed in order to produce a plastic pellet. Other waste streams which arise from the processing are further treated to avoid landfill

Other wastes produced by Axion as a result of its treatment activities include:

- Mixed municipal waste – office building, contracts reviewed annually to ensure optimum level of recycling is achieved
- Soiled absorbent materials – reduced by providing staff training to minimise oil spillages combined with planned maintenance to reduce incidental leaks bursts etc.