Processes and emissions at Westhoughton Westhoughton

B2.1

Step and repeat
This process uses uv curable resin to produce large plastic shims
so these can be made in to nickel masters
Emissions: none for process m/c
small amount extracted during cleaning(acetone), once per shift

Silvering
This process sprays sliver onto the plastic so it can conduct electricity so a nickel master can be grow
Emissions: Silver spray chemicals (MSDS attached to mail)

Electro plating
This process produces nickel shims for embossing from nickel master
Emissions: A small amount of nickel sulfamate fumes, tank temp set at 52°) but only when the lids of tanks are opened
this is 3-4 times a day and 15-20mins at the longest its open.

Embossing
This process is used to emboss the image into the foil by using a nickel shim
on a roller and using heat and pressure
Emissions: Extraction is on all the time m/c running and its taking away small amount of
burning heat transfer oil after roller change and fumes from the lacquer on the
foil

Print
6 x print machines that all can operate using water based products and solvent based, all machines are connected to the 2 external oxidisers when running solvent based products a bypass is situated outside for use when running water based products
There is 1 mixing station situated behind Uteco 2 that is used for mixing small quantaties of ink for use on all machines
The ink store holds small quantities of solvent based ink and the polymer ink kitchen is situated in there that supplies ink to the polymer production line

B2.2

Drawing showing water emission point attached, copy of consent also attached

B2.3

Oxidisor discription - the site has 2 oxidisors the largets of these can accommodate 40000m³ so as long as the large oxidiser is operational we can operate any machine in the print hall

Fugitve emission controls - all fumes are destroyed during the oxidisor process, this control measure is checked annually by an MCERT accredited contrcator with results shared with the LA

B2.4

List of raw materials used - Documement attched showing list of chemicals on-site

B2.5

How do we manage waste -

Haz waste - collected bi-weekly by registered carrier, waste source - cleaning, print production
General waste for landfil - collected weekly - waste source - all areas of site, kitchens, toilets, offices etc
DMR - collected weekly - waste source - packaging, none secure raw material, film
Scrap wood - Collecetd when we have a skip full - source - packaging waste
Metal - collected when we have a skip full - source - metal tins, engineering etc

Site has a dedicated waste walker who makes sure all waste is being segregated correctly, we also issue site flashes to educate staff on waste recycling which has seen a reduction of landfill over the years

B2.6

Spillage prcedure for the yard - Spillage procedure attached

B2.7

Can provide energy usage for site but difficult to provide a breakdown by machine (attached energy document)

B2.8

BCP for oxidisor - Document attached (Loss of oxidisor)

B2.9

Noise sources - Thermol oxidisor
Compactor
External noise survey attached no changes since survey was carried out

B2.10

Monitoring programme

Air - Annual stack monitoring carried out by an MCERTS approved contractor, continual monitoring also in place
Water - Monthly checks by United Utilities
Noise - last external monitoring acrried out in 2012 raised no issues, site is not deemed to be noise issue

B2.11

Regular scenarios are completed were environmental incidents are tested, the yard area is the highets risk area and has a drain valve fitted for an emergency situation

Copy of Environmental large spill is attached

B2.12

Copy of Environmental large spill is attached

B4.1

No complinats received othere than 1 noise related issue that was cleared up and not found to be our site in 2012