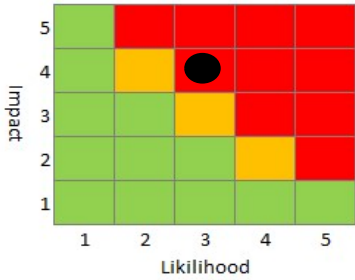


Full or Partial Loss of Oxidiser

Risk Owner	John Cooper
Site	Westhoughton
Date	24/04/2018

Impact	4
Likelihood	3
Risk Score	12



Risk Description		
Justification	Control	Assurance
The oxidisers are a direct link to the running of the print room machines, without these we cannot run solvent based material	The biggest press (Cerutti) runs at 36000m ³ , the largest of the 2 oxidisers can accommodate 40000m ³ so as long as the large oxidiser is operational we can operate any machine in the print hall but machines would have to be prioritised	We have an agreement in place with the LA were we can run the oxidiser for 6 hours with no abatement until we have to stop the process, this covers minor breakdowns,
Potential downtime on the Presses due to mechanical and electrical failures with the oxidiser	Oxidiser down time is very minimal, No downtime has been recorded for mechanical / electrical failures, minor stoppages have been recorded mostly caused by start up after power cuts and faulty sensors. This will have had minimal impact on production.	Preventative maintenance schedules are in place to maintain the equipment, There are safety checks done on the equipment twice a day, and PM's done monthly. There is also an annual major service that is carried out by Operational on the equipment
Availability of critical spares	Very few spares are held for the oxidisers. We do hold spares of damper cylinders and sensors, however none for the gas burner, The gas burner on Oxidiser 1 is now obsolete and would need to be upgraded if there was a failure. There is also no spare for oxidiser 2. These parts have long lead times	Site is to purchase an upgrade kit for a the gas burners, This upgrade kit will be ordered and placed in our stores to be used as an upgrade kit for Oxidiser 1, or as a spare for Oxidiser 2 if it should fail.
PLC system on the oxidisers are now obsolete - These can be upgraded to a newer PLC, however this would require a 1-2week shutdown and would also be quite costly	The PLC is made up of various modules and the CPU module is now obsolete	Spares can still be obtained for the current PLC through vendors such as eBay, Radwell, etc.

Outlook	Ageing equipment - small machine is 18 years old, with the second purchased in 2006
Site SPOF?	Yes
Group SPOF?	Yes

Risk Accepted By	
Date	

Mitigating Actions	Est Cost	Owner	Target Date
Order gas burner upgrade kit for Oxidiser 1	£10,480	SB	ASAP
Gather costs for spares to replace / keep running the obsolete PLC	?	SB	ASAP
Complete a full obsolescence report of the machine, to identify other parts obsolete.	N/A	SB	ASAP