Code	PFM
Date	30 April 2025
Version	V1

PROCESS FLOW MAP

Ink and Solvent Process Flow Map

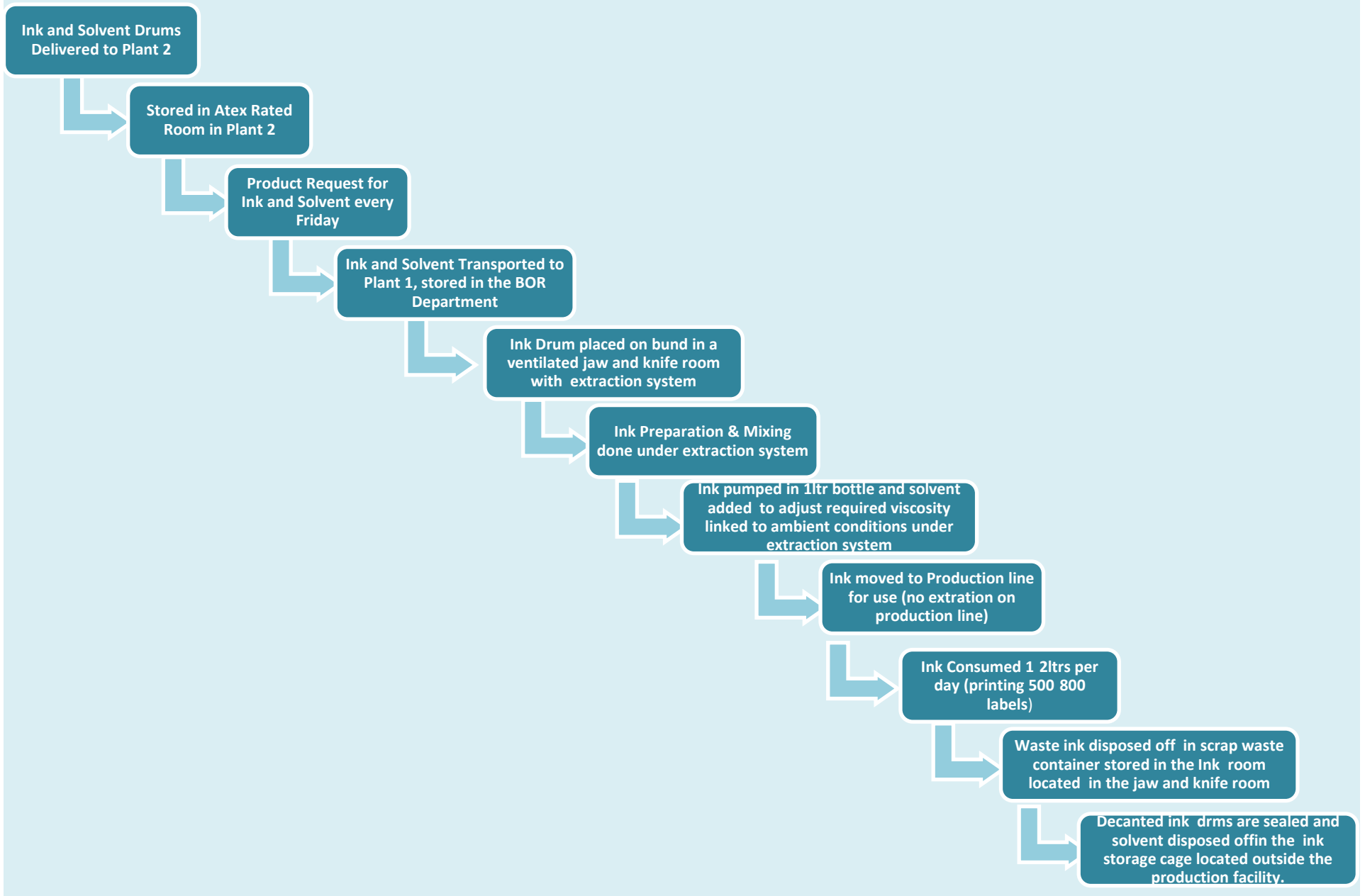
Authorisation	Function	Name	Date dd/mmm/yyyy	Reference of Record for Change
Author	HSE Professional	Tendayi Chikoko	30/04/2025	
Approver 1	HSE Technician	Grant Ager	30/04/2025	
Approver 2	Plant Manager	Simon Dawkes	30/04/2025	

History of Version Changes to the Document					
V. No.	Date of Change	V. No.	Date of Change	V. No.	Date of Change
1		11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

Code	PFM
Date	30 April 2025
Version	V1

PROCESS FLOW MAP

Ink and Solvent Process Flow Map



Code	PFM
Date	30 April 2025
Version	V1

PROCESS FLOW MAP

Ink and Solvent Process Flow Map

Process explained

- Ink and Solvents are received in 25 litre drums and 40 litre drums and stored in a bunded room in Plant 2.
- Chemicals used for this process are Acetone, Ethyl Acetate, Methoxy Propanol, Rubix Blend Solvent and Solvaplast Ink (different colours)
- Plant 2 only stores sealed chemicals drums
- Requests for Inks and Solvents are sent form Production in Plant 1 and the chemicals are transported to Plant 1 using an onsite shunt lorry.
- In Plant 1 drum are stored on bunding in BOR Ink room. Maximum allowed limit for chemicals in BOR Ink room is 250l.
- BOR Ink room has extraction on the bunding and workbench (Installation location)
- In the BOR Ink room ink & solvents are pumped and decanted into 1 litre bottles. They are then mixed to the required viscosity. This is done under extraction.
- The 1 litre bottle is taken out of the ink room into the Corona treatment station where it is used to apply logos. The corona treatment station is not linked to any extraction.
- All equipment and bottles used in the ink printing process is brought back to the BOR Ink room to be cleaned under the extraction.
- The BOR Ink room extraction will be fitted with a filter before emitting into the environment.
- The extraction system is currently above roof ridge via a galvanised steel flue.

SDS found on Doc2SDS