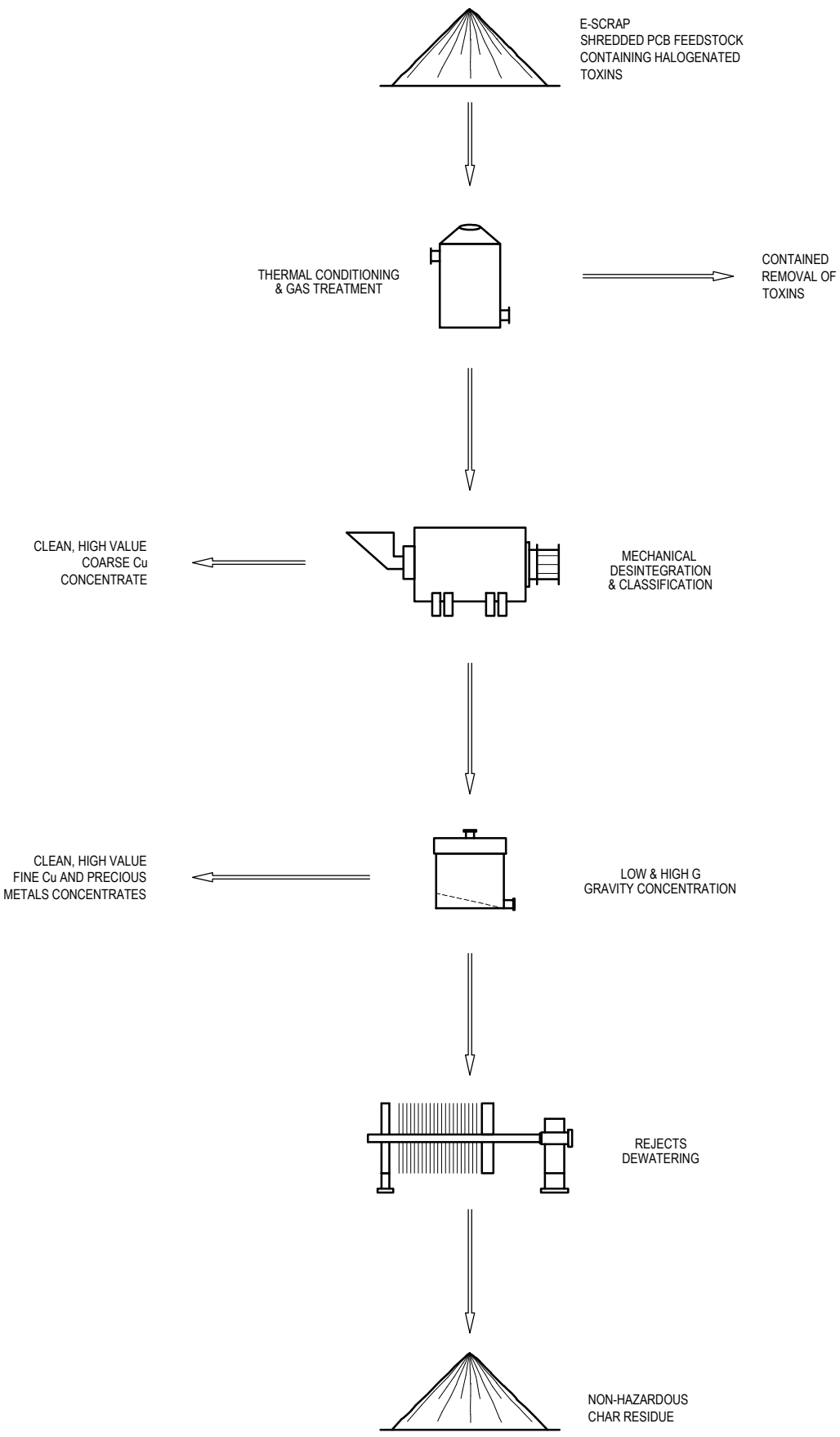
E-SCRAP
SHREDDED PCB FEEDSTOCK
CONTAINING HALOGENATED
TOXINS
THERMAL CONDITIONING
& GAS TREATMENT
CONTAINED
REMOVAL OF
TOXINS
CLEAN, HIGH VALUE
COARSE Cu
CONCENTRATE
MECHANICAL
DESINTEGRATION
& CLASSIFICATION
CLEAN, HIGH VALUE
FINE Cu AND PRECIOUS
METALS CONCENTRATES
LOW & HIGH G
GRAVITY CONCENTRATION
REJECTS
DEWATERING
NON-HAZARDOUS
CHAR RESIDUE

Client:	
Project:	Urban Metals Website
Project No.:	
Approval	For Information Only

PROCESS DESCRIPTION

Urban Metals PCB

The high value of precious metals in printed circuit boards (PCB) is constituting a valuable resource and at the same time a challenge from a process view. The new approach reaches unmatched liberation of precious metals and copper from the complex circuit boards to allow for optimum recoveries. Toxins contained in PCB's are safely removed and will not negatively affect the sales value of the metal concentrates.

Crushed PCB's are fed to a thermal treatment system where PCB's become fracturable and toxins are removed safely. Thereafter, the PCBs are mechanically disintegrated in a mill and coarse copper is removed from the mill discharge as a clean product. The remaining fine slurry is then processed by Sepro's low-G and high-G gravity concentration stages to recover fine copper and precious metals. The gravity concentration rejects are dewatered and disposed of as non-hazardous residue.