

TITLE: NANOFILTRATION BASED ELECTROWINNING FOR COPPER WASTE TREATMENT

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Copper electroplating for advanced circuitry is a small volume generator of highly concentrated copper waste. Due to federal regulations, its treatment must be segregated from CMP copper processing wastes. The ARRoW 2920 system is a unique skid mounted dedicated treatment approach to waste treatment. It uses a combination of advanced approaches to electrowinning, along with nanofiltration to maintain optimum metal concentration for fast plate out. This system is also suitable for treatment of the newest cobalt plating processes .