

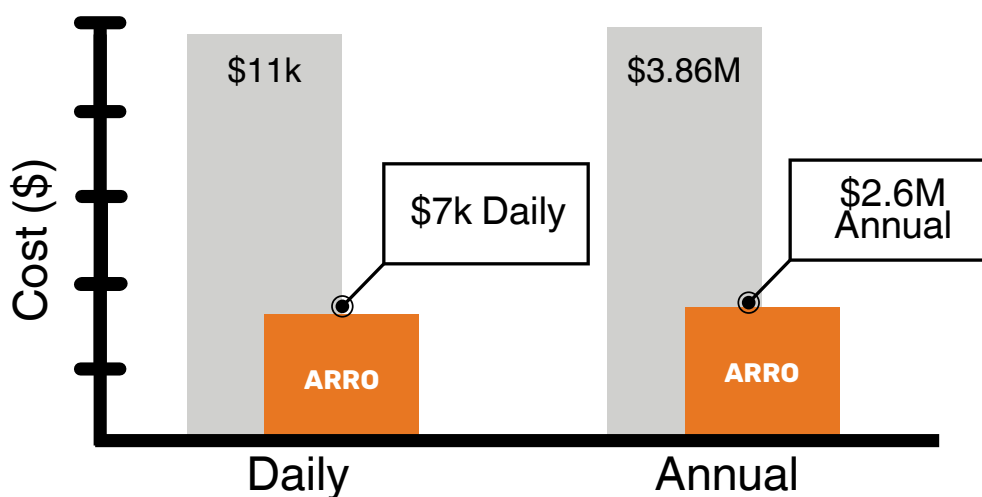


ARRO™ is a transformative program using ElectraMet's peroxide destruction or metals removal technology to reclaim 10% - 70% acids for reuse or offtake. Using established regulatory exemptions, ARRO enables **Asset Recovery** for **Reuse** or **Offtake**. Customers will reduce costs, reduce site regulatory burden, and achieve meaningful sustainability milestones. Sulfuric and phosphoric peroxide mixtures (SPM, PPM) along with concentrated copper, tin, and silver waste streams are program targets that should be evaluated. By safely removing oxidants and securing the acid, ARRO creates a pathway for treated streams to be reclassified and reused—either internally or through a resale partner. ElectraMet has partnered with DSR for global offtake logistics and execution.

Who Qualifies

Hazardous chemistry waste hauling presents health & safety risks along with significant cost at \$300 - \$900 per ton, pending geography. Concentrated metal and peroxide streams are not avoidable, but ARRO can put the power back into your hands. Reducing these costs and risks provides a competitive advantage while also achieving elusive sustainability goals. Any manufacturer producing waste containing >10% acid requiring hauling or limited reuse due to peroxide or metal contamination can be targeted with ARRO.

Potential Cost Avoidance (20 m³/day)



**Recover Acid, Metals & Water
without secondary waste**

**Asset Recovery for Chemistry
& Water to Avoid Hauling**

**Contracted Offtake with Global
Recycling Innovator (DSR)**

**Reduced Total Costs with
Sustainability Attainment**



How ARRO™ Works

1. Stream Assessment

ElectraMet collaborates with customer on reclamation solutions while DSR collaborates with the customer to support waste delisting for reuse or offtake.

2. Peroxide Removal

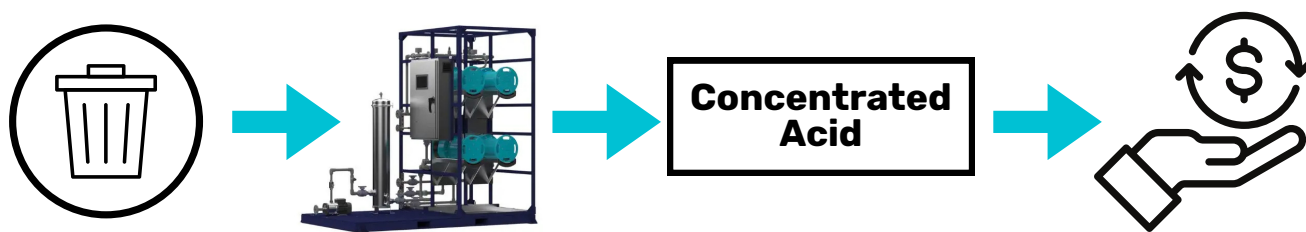
Safe and thorough peroxide destruction in spent chemistries and waste streams without wasteful byproducts.

3. Acid Recovery

Targeted peroxide or metal analyte(s) are removed to preserve acid quality and value.

4. Circularity Achievement

Product is created from delisted waste for reuse onsite or offtake with DSR.



Program Benefits

- ✓ Lower total cost of treatment
- ✓ Reduced hauling and neutralization volume
- ✓ Minimized classification risk
- ✓ Pathway to reclassification and resale
- ✓ Supports ESG, waste diversion, and cost reduction targets

Partnership & Oversight

ARRO is a program operated by ElectraMet. We design, install, and support the on-site treatment system and coordinate offtake logistics through third-party partners like DSR. Customers retain all decision-making authority around reclassification—we enable the infrastructure and documentation to make that choice possible.



Eligibility & Getting Started

ARRO is ideal for semiconductor fabs and advanced manufacturers employing surface finishing applications. Acidic wastewaters with 10+ weight-percent acid with peroxide and/or copper, silver, tin, or other metals are program targets.

Getting started is simple. Reach out to our team to learn more!