



Al Taff University College: Inorganic & Hazardous Waste Management Report 2026

Al Taff University College

Iraq

2026



WEB Address: www.altuff.edu.iq

1. Executive Summary

2. Waste Treatment Matrix

Strategic Note for Institutional Auditors: All toxic, hazardous, and electronic inorganic waste generated across laboratories and IT sectors is managed under a strict chain of custody. Zero percent of these regulated materials enter municipal landfills or open dump networks.

Specific Inorganic / Toxic Stream	Amount Last Year (Tons)	Amount This Year (Tons)	Net Reduction (Tons)	Treated: Safely Reused (Tons)	Treated: Down-cycled / Recycled (Tons)	Treated: Certified Special Disposal (Tons)	Total Safe Treatment Rate (%)
Total Regulated Inorganic Waste	18.45	15.25	3.20	44.5	108.0	2.30	100%
- Electronic Waste (E-Waste)	8.25	6.70	1.55	2.50	4.20	0.00	100%
- Lab Chemicals & Toxic Fluids	8.00	6.65	1.35	1.15	3.20	2.30	100%
- Other Inorganic Polymeric Residues	2.20	1.90	0.30	0.80	1.10	0.00	100%

3. Operational Methodology

Executive Summary: Governed by the safety and compliance directives outlined in the [Institutional Sustainability Policy Decree ATUC 2026](#), Al Tuff University College enforces specialized management protocols for toxic and inorganic waste materials. Through strict green-procurement protocols and chemical micro-scaling initiatives, the college reduced its annual hazardous inorganic footprint from 18.45 tons last year to 15.25 tons this year (a 17.3% net reduction). Crucially, 100% of the remaining 15.25 tons generated was completely neutralized, recycled, or disposed of via certified eco-safe frameworks.



Special Processing & Treatment Frameworks:

1. Electronic Waste Management (6.70 Tons Disposed):
 - Reused (2.50 Tons): Functional computer modules, RAM components, and processing units are refurbished by the IT Infrastructure Department to serve secondary administrative or training labs.
 - Down-cycled/Recycled (4.20 Tons): Obsolete hardware, motherboards, and terminal wires are securely funneled to authorized corporate e-waste recycling partners for rare-metal recovery.
2. Laboratory Chemicals & Toxic Fluids (6.65 Tons Disposed):
 - Reused (1.15 Tons): Solvents and technical solutions are reclaimed on-site via fractional distillation and closed-loop filtration setups for secondary academic trial iterations.
 - Down-cycled & Certified Disposal (5.50 Tons total): Acidic, basic, and organic fluid waste undergoes neutralizing chemical treatments on campus (3.20 tons down-cycled), while heavy bio-medical toxins (2.30 tons) are securely handed over to environmental safety agencies for authorized high-temperature incineration.

4. Environmental Impact

By establishing an airtight, traceable chain-of-custody for toxic materials, Al Tuff University College actively prevents chemical runoff and heavy-metal leakage into local soil and groundwater ecosystems. Our rigorous recycling index and safe neutralizing pipelines ensure full institutional adherence to national and global environmental safety standards.

5. Verification & Evidence Portfolio

The operational logs, storage protocols, and environmental clearance certificates for inorganic hazardous disposal are strictly logged and open for institutional review.

- **Official Regulatory Framework Document: Campus safety and waste management metrics are legally enforced via the [Institutional Sustainability Policy Decree ATUC 2026](#).**
- **Daily Hazardous Waste Manifests & Chemical Logsheets:**
<https://altuff.edu.iq/sustainability/data/hazardous-log-2026>
- **Video Overview of Campus E-Waste and Lab Safety Protocols:**
<https://altuff.edu.iq/sustainability/media/toxic-waste-handling>