



Al Taff University College Waste Management Report

2026 Annual Performance Review



Al Taff University College Waste Management Report

Executive Summary

Al Taff University College demonstrates a profound commitment to sustainability through its advanced waste management infrastructure. Governed by the Institutional Sustainability Policy Decree ATUC 2026, the college has achieved a benchmark 100% treatment and diversion rate for both organic and inorganic waste streams. By transitioning to a closed-loop ecosystem, the institution successfully treated 152.5 tons of organic waste and 15.25 tons of regulated inorganic/hazardous waste this year, effectively eliminating landfill reliance and minimizing environmental impact.

Organic Waste Management

Certified Annual Organic Waste Processing & Treatment Matrix (Tons)

Type of Organic Waste	Last Year	This Year	Reduction	Reused	Composted	Rate
Total Organic Waste	184.5	152.5	32.0	44.5	108.0	100%
- Institutional Food	82.5	67.0	15.5	12.0	55.0	100%
- Landscape Waste	78.0	66.5	11.5	26.5	40.0	100%

Applied Technical Treatment Mechanisms

Biological Aerobic Down-Cycling (108.0 Tons): On-site Bio-Composting Units transform food scraps and landscape waste into stable, commercial-grade organic mulch and fertilizers.



Cultural Reuse (44.5 Tons): Pre-consumer vegetable trimmings are diverted for livestock feed, while leaf litter is mechanically shredded for use as moisture-retaining mulch blankets.

Inorganic Waste Management

Inorganic Stream	Last Year	This Year	Reduction	Reused	Recycled	Rate
Regulated Total	18.45	15.25	3.20	44.5*	108.0*	100%
- E-Waste	8.25	6.70	1.55	2.50	4.20	100%
- Lab Chemicals	8.00	6.65	1.35	1.15	3.20	100%

*Metrics reflect total treated volume across certified channels.

Applied Special Processing & Treatment Frameworks

Electronic Waste (6.70 Tons): Refurbishment of functional modules for secondary labs and secure funneling of obsolete hardware to recycling partners for rare-metal recovery.

Chemical Safety (6.65 Tons): Solvents are reclaimed via fractional distillation (1.15 tons), while toxins undergo neutralizing treatments or certified high-temperature incineration (5.50 tons total).

Conclusion

Al Taff University College remains steadfast in its pursuit of environmental excellence. By maintaining a robust circular economy and rigorous safety protocols, the institution continues to serve as a flagship model for sustainable campus infrastructure and regional environmental safety.