

ASX Release

18 August 2025

Metallium Advances Texas Facility Development with Key Equipment Orders, Site Upgrades, and Feedstock Purchase

KEY PROGRESS MILESTONES

- **Equipment Procurement** – Orders placed for key e-waste pre-processing systems (size reduction, preheating, material handling) and site infrastructure (mobile offices) with additional long-lead items already ordered.
- **Site Readiness Advancing** – Electrical upgrades, site clearing, drainage improvements, and mobile offices in place.
- **Environmental & Compliance Leadership** – VaporPoint engaged for best-practice air and water quality systems.
- **Commissioning Feedstock Locked In** – 60 tonnes of metal-rich PCB E-Waste ordered, de-risking start-up.
- **Proven Technology Performance¹ from U.S.-sourced e-waste feedstocks:**
 - Gold – 100% recovery from e-waste feedstock* grading 551 g/t Au, over 100x higher than typical primary ores.
 - Silver – 97% recovery at 2,804 g/t Ag.
 - Antimony – 98% recovery from feedstock grading 3.13% Sb.
- **Expansion Pipeline** – Actively progressing opportunities for additional pre-permitted sites near major e-waste collection centres to support rapid U.S. rollout.

*Grades of e-waste that has had plastics removed via separate pretreatment process (see ASX: MTM announcements 03 June 2025, 10 April 2025)

Metallium Limited (“Metallium” or the “Company”) (ASX: **MTM**; OTCQX: **MTMCF**) is pleased to report substantial progress on its Technology Campus in Chambers County, Texas – the site of its first commercial Flash Joule Heating (FJH) metal recovery plant in the United States.

Since securing its Chambers County, Texas site, Metallium has significantly progressed the redevelopment of the site infrastructure to enable commissioning to commence in December 2025. Alongside equipment procurement and site works, a wide range of preparatory activities are now underway or completed:

- **Permitting & Compliance** – Advancing air quality, water quality, and waste management permitting; engaged [VaporPoint](#) to implement best-practice monitoring and compliance systems.
- **Engineering** – Finalising balance-of-plant engineering, structural analysis, and integration design. Metallium has engaged tier-one engineering firm [Hunt, Guillot & Associates \(HGA\)](#) for plant integration, implementation engineering, and structural assessments.
- **Utility & Infrastructure Engagement** – Working with the local power utility Entergy Texas to finalise supply arrangements and capacity for long-term operations.
- **Waste Management Agreements** – In discussions with an adjacent landfill operator to establish solids residue discharge pathways in compliance with all environmental regulations.
- **Team Buildout** – Recruiting key personnel, including U.S. CFO, plant manager, engineering leads, and business development staff to support operations and growth.
- **Business Development & Feedstock Pipeline** – Pursuing commercial opportunities across a range of critical metal feedstocks, including antimony, rare earth element (REE) magnets, heavy REE-enriched e-scrap, and selected mining concentrates.
- **On-site works** are advancing, with electrical system upgrades, site clearing, and drainage improvements already underway. These works are designed to optimise the facility for safe, efficient operation.

A key commissioning milestone has also been achieved with the **order of 60 tonnes of printed circuit board (PCB) scrap “e-waste”**. This batch has been selected to closely match the anticipated long-term feedstock profile for the facility, allowing process tuning and operational readiness testing under realistic operating conditions.

¹ ASX: MTM announcements on e-waste recovery testwork dated 03 June 2025 & 10 April 2025. Also, see earlier reports dated: 08 October 2024, 25 September 2024, and 12 September 2024.

Metallium Managing Director & CEO, Michael Walshe, commented: *“We are progressing on all fronts to deliver our first U.S. facility as planned. With critical equipment ordered, site works advancing, and commissioning feedstock secured, the project is materially de-risked.*

“In parallel, we are executing the detailed integration work with resources from HGA, strengthening our environmental systems with specialised advice from VaporPoint, and finalising utility and waste management arrangements. Our recruitment drive ensures we have the technical and operational capability to move quickly from commissioning to full production.

“Our ambition is to leverage the FJH modular system design so that we can rapidly expand this model across the United States, targeting pre-permitted sites strategically located near major e-waste collection centres. Every step we are taking now, from engineering to feedstock readiness, is about building a robust, scalable platform capable of processing a diverse range of critical and precious metals, positioning Metallium as a leader in U.S.-based metals recovery and refining”.

The Company will continue to update shareholders as construction, installation, and commissioning milestones are achieved.



Figure 1: Metallium’s Chambers County, Texas Technology Campus – Front Entrance. Facility undergoing upgrades ahead of December 2025 commissioning

This announcement has been authorised for release by the Board of Directors.

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ABOUT METALLIUM LIMITED

Metallium Ltd (ABN 27 645 885 463), is pioneering a low-carbon, high-efficiency approach to recovering critical and precious metals from mineral concentrates and high-grade waste streams. The company's patented **Flash Joule Heating (FJH)** technology enables the extraction of high-value materials—including **gallium, germanium, antimony, rare earth elements, and gold**—from feedstocks such as refinery scrap, e-waste, and monazite.

Aligned with U.S. strategic supply chain objectives, Metallium has recently secured its first commercial site in Texas via its wholly owned subsidiary, **Flash Metals USA Inc.**, marking a major step toward near-term production and revenue generation.

To learn more, visit:

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