

From: Cordes, Mary
Sent: Thu, 13 Mar 2025 19:50:50 +0000
To: Tatulyan, Kevin
Subject: [EXTERNAL] RE: [EXT] RE: Critical Mineral recycling project

Thank you! And, here is the info about the FECM award that's been stuck with no updates.
 Thank you!

- **Office:** DOE, Office of Fossil Energy and Carbon Management
- **Solicitation:** Critical Materials Innovation, Efficiency, and Alternatives (DE-FOA-0003105)
- **Chemours submission title :** Gallium Recovery from Metal Chloride Co-product Streams of Titanium Dioxide Production
- **FOA Topic Area 1A:** CMM Supply Chain
- **Submitted:** December 12, 2023
- **Request amount:** \$1.7 M government cost share and \$500,000 Chemours cost share
- **DOE/FECM point of contact for the FOA:** cheryl.copeland@hq.doe.gov
 - The initial DOE contact was Ryan Miller, but he moved to another DOE office in November 2024. Ryan was responsive to emails. Cheryl Copeland is the follow-on contact, but she has not been responsive.

The goal of this project is to develop the process technology required to 1) separate gallium from the metal chloride co-product stream of TiO₂ pigment production and 2) purify it to a concentrate suitable for further refining to a metallic product. These developments will create a new, domestic source of gallium production, an element the U.S. currently does not produce. With initial resource estimates of the annual elemental gallium content processed through the New Johnsonville, TN facility of 10,000 kilograms per year, successful development of this technology would help onshore a significant fraction of the gallium metal the U.S. is currently importing—in 2022 the U.S. was 100% import reliant for 12,000 kg of gallium metal. More than 50% of this imported gallium metal came from China, which has restricted exports of gallium metal starting in 2023. The Chemours team will develop this work between our Chemours Discovery Hub R&D facility in Newark, DE and our New Johnsonville, TN production facility, leveraging our research and process development capabilities with our process expertise at the Johnsonville plant to achieve this goal.

From: Tatulyan, Kevin <kevin.tatulyan@hq.doe.gov>
Sent: Thursday, March 13, 2025 3:37 PM
To: Cordes, Mary <mary.cordes@chemours.com>
Subject: [EXT] RE: Critical Mineral recycling project

External email. Confirm links and attachments before opening.

Hey Mary,

Thank you very much for sharing. This is very helpful. I will definitely be back in touch with questions after I review the document.

Best,

Kevin Tatulyan

From: Cordes, Mary <mary.cordes@chemours.com>
Sent: Thursday, March 13, 2025 2:55 PM
To: Tatulyan, Kevin <kevin.tatulyan@hq.doe.gov>
Subject: [EXTERNAL] Critical Mineral recycling project

Hey Kevin – great to meet you and thank you for a good conversation with the Under Secretary.

Sharing the periodic table I referenced yesterday – this highlights which critical minerals we will be able to produce from our pilot in Tennessee in the next couple of years. Really exciting work!

Happy to answer any questions you may have.

Thank you,
Mary

Mary Cordes
Head of Federal Government Affairs
The Chemours Company

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