CHEMX MATERIALS

ASX ANNOUNCEMENT

28 June 2024

HiPurA® HPA Pilot Plant Early-Stage Commissioning Commenced

ChemX Materials Limited (**ASX:CMX**) (**ChemX or the Company**), an Australian high purity critical materials developer, is pleased to announce that it has begun early-stage commissioning of the leach circuit within the innovative HiPurA® High Purity Alumina (HPA) 24tpa Pilot Plant in O'Connor, Western Australia.

The leach circuit is a key part of ChemX's unique flowsheet and comprises the first part of the patented, HiPurA® purification process. It takes the aluminous chemical feedstock and sufficiently upgrades its purity for the solvent extraction (SX) stage.

Figure 1 – CMX Operations Manager (Russell Vallis) pictured in front of the commissioned leach circuit

ChemX, CEO Peter Lee said: "Our 24tpa HiPurA® HPA Pilot Plant is starting to rapidly take shape, and we are pleased to have commissioned the leach circuit. Achieving this milestone delivers on our commitment to commence early-stage commissioning in Q2 of the 2024 calendar year".

"Structural, mechanical, piping (SMP) activities are progressing well with electrical and control infrastructures accelerating ahead. As with any project integration, key work scopes require careful planning and the HiPurA® HPA Pilot Plant is on track to achieve operational readiness toward the end of the next quarter".

" We look forward to sharing further commissioning updates in the coming months as we advance towards full Pilot Plant commissioning".

ENDS

This Announcement has been authorised for release by the Board.

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About ChemX Materials

ChemX Materials (ASX:CMX) is an Australian company specialising in high purity critical materials. Its ambition is to become a leading, sustainable supplier of high purity materials to the clean energy and advanced technology markets.

High purity alumina

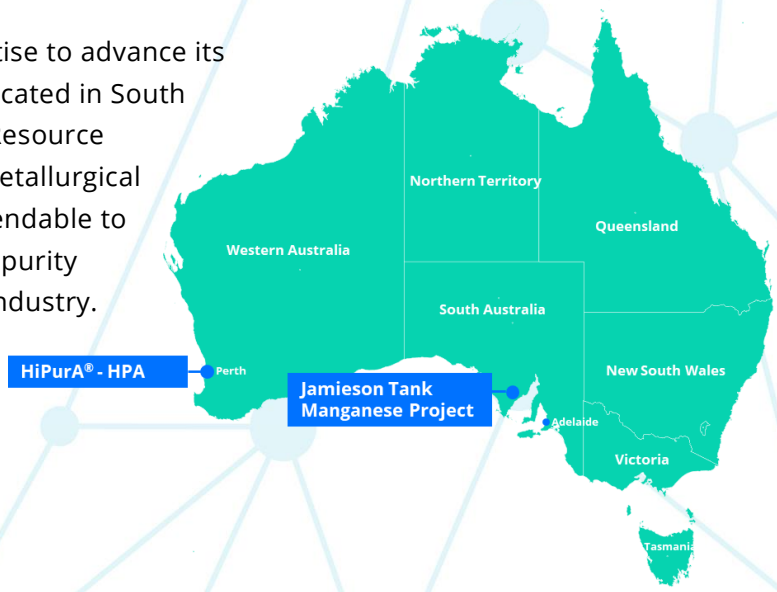
ChemX Materials' 100% owned, Australian patented HiPurA® process provides a new way to produce high purity alumina, that is scalable, modular, independent of mine production and uses significantly less energy than alternate methods. A key advantage of HiPurA® is that it can be located anywhere in the world, providing a just in-time, customised solution for customers.

ChemX Materials has proven HiPurA® can produce above 4N (99.99%) pure high purity alumina at micro plant scale. Following this success, ChemX Materials is pursuing an accelerated commercialisation pathway for HiPurA® through the construction of a 24tpa pilot plant in O'Connor, Western Australia. With early-stage commissioning now commenced, ChemX Materials is on the cusp of high purity alumina production at scale.

High purity alumina is used in clean energy applications such as lithium-ion batteries, LED lighting and advanced electronics including iPhones, smartwatches, screens and semiconductors.

High purity manganese.

ChemX Materials is applying its high purity expertise to advance its Jamieson Tank Manganese Project (the Project) located in South Australia. In September 2023, a maiden Mineral Resource Estimate (MRE) was announced for the Project. Metallurgical testwork has indicated the manganese ore is amendable to upgrade through beneficiation to produce a high purity manganese sulphate for the lithium-ion battery industry. ChemX Materials continues to evaluate the Project through the progression of an internal scoping study.



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