ASX Code: IPT

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# LAKE HOPE HPA: STAGED TEST WORK PROGRAMME TARGETS ~20KG OF CANDIDATE 4N HPA FOR INDEPENDENT TESTING

## Highlights

- Coordinated laboratory and pilot-scale test work under way across the Lake Hope HPA flowsheet
- Edith Cowan University (ECU) pilot facility in Joondalup is being constructed under the CRC-P research collaboration
- Simulus Group has been engaged for specialist testing involving corrosive reagents and hydrogen chloride (HCl) gas sparging
- Programme targets approximately 20 kg of candidate 4N high purity alumina (HPA) for independent verification and potential customer evaluation

Impact Minerals Limited (ASX: IPT) is progressing a staged test work programme for its Lake Hope HPA project, building on earlier laboratory research and testing.

Chair, Jim McKerlie said: "*Lake Hope is moving through the testing phase. We are proving each step of our flowsheet, from the lab through to a pilot plant, with the aim of making about 20 kilograms of high purity alumina that can be independently tested and presented to potential customers. These are practical and necessary steps that validate the process and delivers the data we need to scale up with confidence. I'm delighted with the progress the Impact team and our partners at ECU and Simulus are making*."

## ECU and Simulus roles

The ECU pilot facility, supported by the Australian Government's Cooperative Research Centres Projects (CRC-P) programme, is supporting mineral processing, leaching and related process development. Simulus Group covers work involving corrosive reagents and HCl gas sparging, including leaching, HCl gas handling, aluminium chloride hexahydrate (ACH) crystallisation, solid-liquid separation, thermal decomposition and calcination, and preliminary assessment of off-gas management and recovery.



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## Programme approach

Work will progress from batch optimisation and locked-cycle testing to larger-scale, sequential pilot operations. Key objectives are:

- **Recovery and impurities:** quantify aluminium recovery and losses by stage, and track impurity deportment and accumulation under recycle conditions
- **Leaching and separation:** define leaching conditions, residue washing and filtration characteristics to inform equipment selection
- **ACH crystallisation:** establish operating conditions for HCl gas sparging, ACH washing and impurity rejection
- **Thermal processing:** assess ACH decomposition and alumina calcination, focusing on conversion, product purity and contamination control
- **Integration:** evaluate recycle scenarios and preliminary off-gas and acid-recovery requirements

The test work is refining operating envelopes, material balances and design assumptions, and will flag where further testing or alternative equipment may be needed. The aim is a stronger, evidence-based foundation for the next stage of scale-up, guided by quantified performance and validated design parameters.

This announcement was authorised for release by the Chair of Impact Minerals Limited.

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### Forward Looking Statements

Certain statements in this announcement are forward-looking in nature and involve known and unknown risks and uncertainties. Actual results, performance or achievements of Impact Minerals may differ materially from those expressed or implied in such statements. Impact Minerals makes no representation as to the likelihood that the results or milestones referred to in this announcement will be achieved.

### About Impact Minerals Limited

Impact Minerals Limited (ASX: IPT) is an Australian minerals exploration and development company focused on the Lake Hope High Purity Alumina (HPA) Project in Western Australia, which has completed a Pre-Feasibility Study and is advancing toward a Definitive Feasibility Study. The Company holds a 50% interest in Alluminous Pty Ltd, whose HiPurA® pilot plant in Perth is operational and producing HPA for customer qualification, including shipment of initial samples to US battery technology partner Charge CCCV (C4V). Impact Minerals also holds exploration assets including the Broken Hill Project (gold-copper-PGMs) and the Commonwealth Project (copper-gold), New South Wales.