

Extensive Suite of Technology Solutions

Boral Resources' Material Testing and Research Facility is committed to the advancement of CCP utilization and enhancement of CCPs' value by deploying both beneficiation and new application technologies. Fully commercialized technologies include:

RestoreAir®—Liquid reagent treatment to passivate activated carbon in fly ash and enable its use in concrete markets.

Carbon Burn Out™—Process by which residual carbon in fly ash is combusted to produce a consistent low-carbon, low loss-on-ignition (LOI), high-quality pozzolan, as well as reduce ammonia residue on ash to non-detectable levels.

Sintered Light Weight Aggregate—A technology and service that provides for the manufacture of ceramic lightweight aggregate (LWA) from CCPs recovered from landfills or ponds or generated by current production.

Ammonia Slip Mitigation—Chemical reagent that treats fly ash containing excess ammonia by converting it to harmless compounds, allowing its use in concrete applications and providing safer disposal operations.

Performance Pozzolans—Fly ash blended to meet customer specifications and market demands in regions that are supply constrained.

Harvested Ash Processing and Beneficiation—Excavation and upgrading of coal ash using screening, drying, or advanced material processing units to convert materials into quality pozzolans for commercial use in concrete.

