



### **Job Responsibilities – Sustainability Champion**

Arch Plastics Packaging, LLC in Chattanooga, TN is seeking a Sustainability Champion to assist with developing the sustainability goals, objectives, initiatives and strategies in collaboration with colleagues and leadership. Identify sustainability indicators that are associated with GHG emissions. Assign associated indicators that generate emissions as per standards into Scope 1, Scope 2, Scope 3, etc. Monitor and track sustainability indicators such as energy use, waste generation, recycling, etc. and update emissions matrix. Coordinate with vendors, freight companies, etc. to determine cradle to gate emissions and emissions related to freight. Evaluate alternate bio resins, bio-degradable additives to reduce carbon emissions. Evaluate reusable packaging solutions or alternate sustainable packaging solutions for finished products and report reduction in GHG emissions and the impact to the Arch Sustainability goals. Explore opportunities to transition to renewable energy solutions such as PV Solar and areas to reduce overall Power Consumption. Perform equipment analysis to optimize scrap, improve efficiency, improve cycle time, reduce compressed air consumption, water consumption etc. with the goal of reducing Carbon emissions. Evaluate new machine platforms, compressors, auxiliaries, chillers, tower water systems etc. with respect to carbon emissions, cradle to gate emissions etc. when looking to install new equipment for increased demand or replacing older equipment. Closely work with procurement and audit team to get approvals for alternate sourcing based on sustainability metrics provided by vendors. Perform lifecycle assessments to evaluate the environmental footprint of different products and assist in building a calculator to show GHG emissions per 1000 bottles produced with the appropriate product, packaging specifications, customer location and material selections. Requires a Master's degree in Mechanical or Chemical Engineering, Polymer Science, Energy Systems or related field. Must have 24 months experience as an engineer in a production and processing environment. Experience must include: (i) Operations and Strong Understanding of Bekum H155, Nissei ASB platforms and Jomar platforms to enable continuous improvement, optimize cycle times and reduce scraps; (ii) Developing packaging solutions for bottles based on size, shape and material of construction to optimize full truck load quantities; (iii) Strong understanding of energy resources used in plastic processing of bottles and knowledge of alternate energy solutions; (iv) Working and Processing containers using HDPE, PET and PCR resins; (v) working with EBM, ISBM and IBM processing technologies. Resume to [hr@archplasticsllc.com](mailto:hr@archplasticsllc.com).