Ambient Molecular Sieve Bed (AMSB) Prototype

Description:

The Ambient Molecular Sieve Bed (AMSB) is a stainless-steel specialty component consisting of a vacuum jacketed ASME code compliant vessel which contains low chloride zeolite (5A). Normally operated at ambient temperature, the zeolite adsorbs the moisture from the process gas stream. Heating capability is provided to deliver the driving force to desorb the adsorbed moisture from the zeolite; thereby, allowing re-use of the AMSB.

This prototype is based on preliminary design and will be used for gas testing at Savannah River National Laboratory.

Category: Industrial Equipment

Small Business Set-Aside: None

NAICS Code: 332999 - All Other Miscellaneous Fabricated Metal Product Manufacturing

WBS: 1.3.2.1.4

RFP Projected Date: May 2021

Projected Award Date: July 2021

Estimated Value: <$500k

Contact Name: Bethany Kalous

Contact Email: kalousb@ornl.gov