

Title:	Production of terephthalic acid from forestry residues and condensates of digester off-gasses in a pulp mill
Abstract:	Both forestry residues and the condensates of digester off-gasses in a pulp mill contain significant quantities of chemical precursors suitable for conversion to terephthalic acid (TPA). TPA is the major component of PET, which is a high volume plastic used broadly in the economy. Local production of bio-based TPA would allow import replacement and/or export of a valuable product. The present project assessed the viability of producing TPA from the identified feedstocks, in comparison to existing production methods, in terms of scale and production economics.
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Partner institutions:	-
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Degree:	MEng
Funded by:	PAMSA
Start date:	March 2016
End date:	March 2018
Feedstock:	Forest residues and condensates of digester off-gasses in a pulp mill
Value chain products:	Terephthalic acid
Geographic source of the feedstock:	KZN, MP