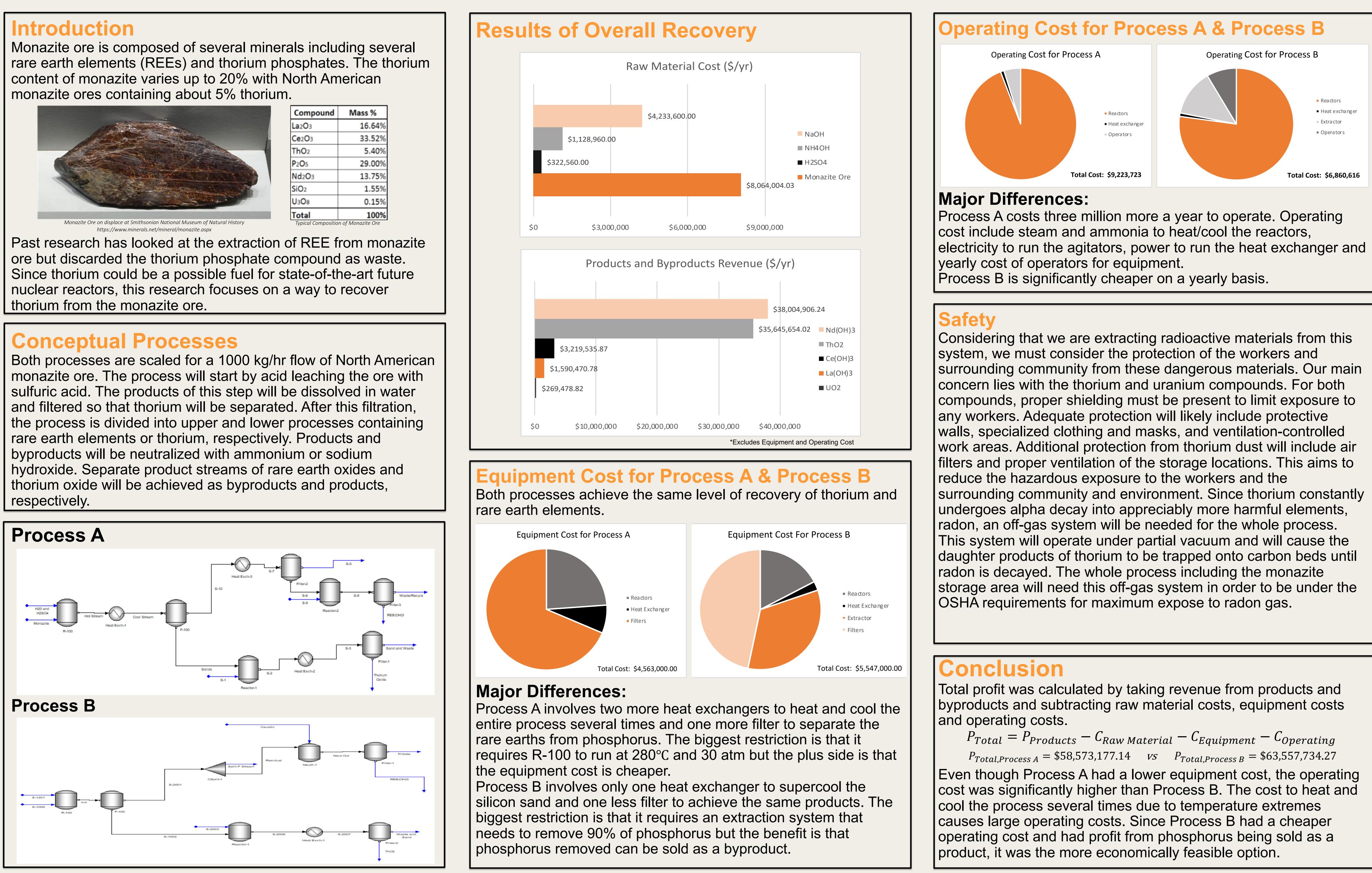
# 355. Study Level Recovery Processes of Thorium and Several **Rare Earth Elements from Monazite Ore** Makayla Hyde and Jaclyn Choate Chemical and Biomolecular Engineering Department, The University of Tennessee – Knoxville



Compound	Mass %
La2O3	16.64%
Ce2O3	33.52%
ThO <sub>2</sub>	5.40%
P2O5	29.00%
Nd2O3	13.75%
SiO <sub>2</sub>	1.55%
U3O8	0.15%
Total	100%





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Reactors Heat exchange Extractor Operators Total Cost: \$6.860.61

**Operating Cost for Process B** 

