

Power Reactor Thoria Reprocessing Facility (PRTRF)

- Salient features

- Solvent : 5% TBP/dodecane for extraction
 - (Higher Fissile Content)
- High ^{232}U content calls for new design philosophy for Reconversion
 - (Reconversion in shielded alpha tight facilities)

Feed Composition	Product specification
Th = 200 g/L	Th = 100- 200 ppm
^{233}U = 2.35 g/L	^{232}U ~500 ppm
FPs = 50 Ci/L	FPs = 0.25 mCi/g
^{232}U ~500 ppm	Met. Imp. <3000 ppm
	EBC <5 ppm

