

Web Problem #9

- a) What is the number of kilograms of natural Uranium that has to be provided as feed in a gaseous enrichment plant if one requests 30,000 kg of uranium enriched to 3% in ^{235}U ? Assume a tails assay of 0.2%.
 - b) What is the number of SWU required for the above mentioned separation?
- What are the advantages and disadvantages of the different Uranium enrichment technologies?
- a) What are the three major challenges of spent nuclear fuel?
 - b) What methods have been proposed to deal with these challenges?