

In-Situ
Leaching

Mining

unpurified
 U_3O_8

Milling

ore

yellowcake
 U_3O_8

Conversion

uranium hexafluoride
 UF_6

Enrichment

enriched uranium
hexafluoride

Fuel Fabrication

fresh fuel

Reactor

spent fuel

Spent Fuel Pool Storage

spent fuel
cooled > 5 years

Dry Cask Storage

Repository

Diverted Pu

Diverted HEU

Separation and
Reprocessing

In a closed fuel
cycle spent
fuel is recycled

Pu and U

recycling
waste

