

# History of MOX Fuel Usage

- In 2005, four MOX fuel assemblies were manufactured using the MELOX/MFFF process and these were tested successfully at the Catawba Power Station

*“So our experience showed that weapons-grade mixed oxide fuel derived from surplus weapons performs very much the same as reactor-grade mixed oxide fuel in Europe. And it performs safely and just as well as low-enriched uranium fuel.”*

Steve Nesbit , Director of Nuclear Policy and Support, Duke Energy Co.

- **Future Lead Test Assemblies status for both BWR and PWR**
  - Future testing *not* needed, MOX is well established and mature technology
  - Weapons Grade MOX and Reactor Grade MOX behave similarly and predictably
  - We have enough data from European testing and usage
  - Has been used for 40 years in more than 30 commercial reactors worldwide
  - NRC will ultimately decide if additional testing is needed