Characterization Process

Stack Is divided in four section of samples
The Mechanism is deployed into the stack
The devise is secured and ready for operations
Each section is divided in four quadrants in which scan contamination is done, wall sampling and core drilling

Conclusions:
• A well organized characterization plan lays out the path for the whole dismantling process
• The more data and information available the better the decommissioning planning will become.
• The dismantling process of nuclear stacks varies according to several factors such as levels of contamination, physical conditions and location.
• Every nuclear plant uses stacks and they will be eventually summated to a dismantling process.
• It has not been done an automated technology that handles the difficult task of characterizing of nuclear stacks.

Special Thanks to:
• Mark W Noakes (mentor), Robotics and Energetic Systems Group Oak Ridge National Laboratory
• Francois Pin Fellow & Group Leader Robotics and Energetic Systems Oak Ridge National Laboratory
• Leonel E. Lagos, Ph.D., PMP® (FIU Mentor), Florida International University