# Nuclear Reactor Radiation Monitoring System Upgrade

**PI**: Donald Wall, Washington State University

**Collaborators**: N/A

**Program**: Reactor Upgrades

**ABSTRACT:**

The Continuous Air Monitoring (CAM) system which is in use in the WSU research reactor facility was installed in 1997 and has accumulated over 20,000 hours of use, and is nearing the end of its service lifetime. The objective of this project is to replace the aging CAM system at the WSU research reactor facility. WSU proposes to acquire a replacement CAM system with features such airborne radioactive material concentration measurement capability and digital data logging. Operation of the WSU research reactor requires an operational CAM system—installation of a new system will increase reliability of the reactor facility by eliminating unplanned downtime for CAM system calibration and repair.