SAND2013-2601P

About TA-V

TA-V offers unique nuclear experimental environments and expertise to address national nuclear security and energy policy issues. Technologies tested in TA-V facilities have furthered the U.S. nuclear weapons program and the mission of the Department of Homeland Security through radiation effects testing, reactor safety experiments, outer space nuclear power, and fuel cycle research.

TA-V serves a variety of customer segments. Most of TA-V's work supports Sandia National Laboratories nuclear weapons program. TA-V also supports external nuclear weapons programs, other Department of Energy programs, the National Nuclear Security Administration criticality safety program, and Work for Other entities such as universities and corporations.

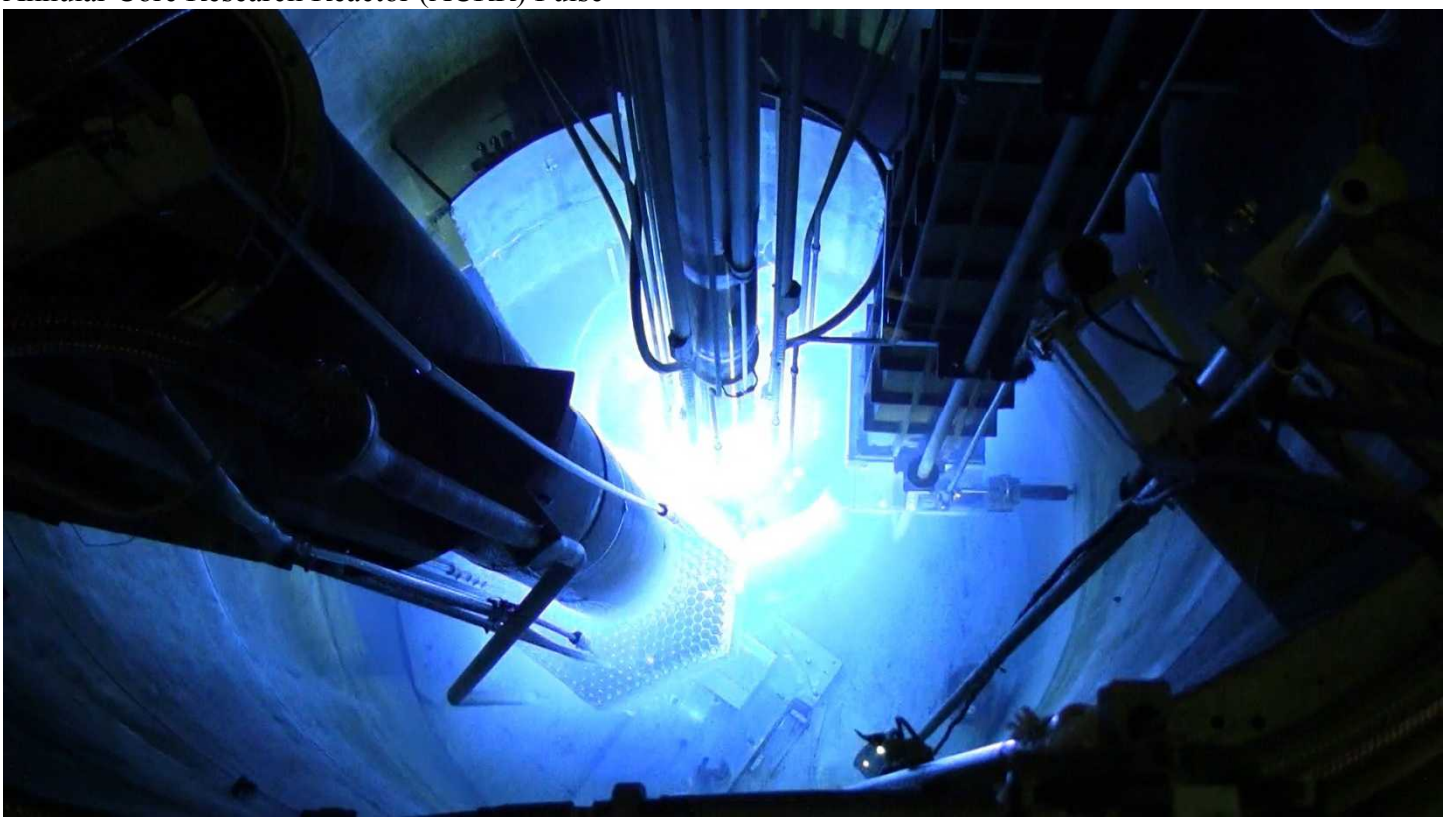
TA-V's three primary products delivered through one-of-a-kind unique nuclear experimental facilities include experiments and analysis, expertise in nuclear technologies, and nuclear materials management. These product offerings address national level nuclear, security, defense, and energy policy issues related to radiation sciences and effects.

TA-V's workforce consists of approximately 100 people. Engineers, scientists, physicists, and technicians make up over half of the workforce. Quality disciplines to support technical staff and ensure regulatory compliance compose the remainder of the workforce. Other professions represented in TA-V include nuclear safety, radiation protection, health physics, quality assurance, and nuclear material management.

Gamma Irradiation Facility (GIF)

Auxiliary Hot Cell Facility (AHCF)

Annular Core Research Reactor (ACRR) Pulse



ACRR

2010 Lab Accomplishments