



TESTING INFRASTRUCTURE

TREAT gets a TWIST

Researchers at Idaho National Laboratory have a new experimental tool to study nuclear fuel under simulated loss of coolant accident (LOCA) conditions in INL's Transient Reactor Test (TREAT) Facility. A specialized experiment holder called a TWIST capsule holds a fuel sample surrounded by water, which can rapidly drain away during testing to simulate loss of coolant in a light water reactor environment.

According to the Department of Energy's October 4 announcement, the test is the first of its kind to be run in the United States in more than 35 years. The United States lost the ability to perform LOCA tests when INL's Power Burst Facility shut down in the

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Idaho National Laboratory's TREAT reactor. (Photo: INL)

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