

Facilities and Contact Points

Location	Types of facilities and equipment	Research facility	Main applications	Notices	Technical inquiry(Email/FAX)	
					Contact points(Email/FAX)	
Tokai	Reactor	Research Reactor (JRR-3)	Activation analysis, irradiation testing of fuels and materials for nuclear reactors, radioisotope (RI) production, silicon doping, crystal and magnetic structure analysis, residual stress analysis, elemental analysis, imaging, etc.	—	For Beam experiment	jrr3-uoffice@jaea.go.jp
					For Irradiation	kenkyu-riyou@jaea.go.jp
					renkei-shisetsu@jaea.go.jp	
	Post irradiation examination facility	Reactor Fuel Examination Facility (RFEF)	Post irradiation examination of fuel and material	—	tokai-hlf_utilize@jaea.go.jp	
					renkei-shisetsu@jaea.go.jp	
Accelerator	Tandem accelerator	Research on nuclear physics, nuclear chemistry, materials science, and condensed matter physics using heavy ion beams, and maintenance of nuclear data, etc.	—	riyou.tandem@jaea.go.jp		
Calibration facility	Facility of Radiation Standards (FRS)	Research and development of radiation measuring instruments, characteristic testing, calibration testing, development of radiation measurement techniques, development of dosimetry methods, JIS testing of radiation measuring instruments, etc.	We are a testing laboratory (registration number 220419JP) based on the Industrial Standardization Law Testing Laboratory Registration System (JNLA), and can issue testing certificates with the JNLA mark for JIS testing.	riyou.frss@jaea.go.jp		
				renkei-shisetsu@jaea.go.jp		
Oarai	Post irradiation examination facility	Hot laboratory *Not open for applications in FY2026	Post irradiation examination in hot laboratory.	—	—	
	Reactor	Experimental fast reactor(Joyo)	Irradiation tests of fuel and materials for nuclear reactors. Irradiation tests for developing materials and fundamental study on irradiation materials. Post irradiation examination in hot laboratory.	Currently, irradiation is not available, but post irradiation examination is available.	o-arai.syousya@jaea.go.jp	
					renkei-shisetsu@jaea.go.jp	
Harima	Large Synchrotron Radiation Facility	Synchrotron radiation facility (SPring-8) (JAEA's contract beamlines and experimental equipment)	Atomic/molecular level characterizations of structure and physical property of materials. In situ observation of nanometer-scale phenomenon induced by functional materials. Technological development of synchrotron radiation application leading to new science.	—	—	TEL:+81-(0)791-58-0822
Tono	Accelerator (Accelerator mass spectrometer)	Pelletron accelerator for radioactive age determination (JAEA-AMS-TONO)	Carbon, beryllium, aluminum, and iodine isotope ratios (beryllium, aluminum, and iodine are measured only) for samples related to earth science, archaeology, environmental science, etc.	—	—	JAEA-AMS-TONO@jaea.go.jp
Mutsu	Accelerator (Accelerator mass spectrometer)	Tandemtron accelerator mass spectrometer (JAEA-AMS-MUTSU)	Measurement of carbon and iodine isotope ratios for research on migration behavior of radionuclides in the environment, dating, etc.	—	—	aomori-ams@jaea.go.jp
					FAX:+81-(0)175-45-1119	
Naraha	Remote control equipment and device demonstration test facility	Naraha remote technology development center (NARREC)	Mock-up demonstration test of large equipment using a large space and development and demonstrate robots,etc. (equipped with mock-up stairs, water tank for robot testing, motion capture and other testing equipment)	—	—	naraha_mockup@jaea.go.jp
Tsuruga	Fukui Smart Decommissioning Technology Demonstration Base (Sumadeco)	Tsuruga Comprehensive Research and Development Center	—	—	—	FAX:+81-0770-25-5782