



Ohio Revised Code

Section 4164.15 Collaboration regarding commercializing advance-nuclear-reactor components.

Effective: October 3, 2023

Legislation: House Bill 33

The authority shall work with industrial and academic institutions and the United States department of energy or branches of the United States military for the commercialization of advanced-nuclear-reactor components, which may include any of the following:

(A) Advanced-nuclear-reactor-neutronics analysis and experimentation, including reactor, plant, shielding, nuclear data, source-program software, nuclear database, conceptual design, core and system design, certification in the phases, core-management and fuel-management technology, modeling, and calculation;

(B) Advanced-nuclear-reactor safety and plant safety, including reactor-system safety standards, accident-analysis software, and accident-management regulations;

(C) Advanced-nuclear-reactor fuels and materials, including long-life fuel, clad materials, structural materials, component materials, absorber materials, circuit materials, raw materials, fuels-and-materials research and development, testing programs used to develop fuels and materials-manufacturing processes, experimental data, formulae, technological processes, and facilities and equipment used to manufacture advanced-nuclear-reactor fuels and materials;

(D) Advanced-nuclear-reactor-nuclear-steam-supply systems and their associated components and equipment, including design standards, component, equipment, and systems design, thermal hydraulics, mechanics, and chemistry analysis;

(E) Advanced-nuclear-reactor engineered-safety features and their associated components, including design standards, component design, system design, and structural design;

(F) Advanced-nuclear-reactor building, including containment design, structural analysis, and architectural analysis;



(G) Advanced-nuclear-reactor instrumentation and control and application of computer science, including survey, monitor, control, and protection systems;

(H) Advanced-nuclear-reactor-quality practices, nondestructive-inspection practices, and in-service-inspection technology;

(I) Advanced-nuclear-reactor plant design and construction, debug, test-run, operation, maintenance, and decommissioning technology;

(J) Advanced-nuclear-reactor economic methodology and evaluation technology;

(K) Treatment, storage, recycling, and disposal technology for advanced-nuclear-reactor and system-spent fuel;

(L) Treatment, storage, and disposal technology for advanced-nuclear-reactor and system radioactive waste.