

## Department of Energy

## §810.9

45 calendar days of the notice. The applicant should provide all the information required under §810.11 and specific references to the national or international safety standards or requirements for operational safety for nuclear reactors that will be addressed by the assistance; or

(3) Furnish operational safety information or assistance to existing, proposed, or new-build civilian nuclear facilities in the United States, provided DOE is notified by certified mail return receipt requested and approves the activity in writing within 45 calendar days of the notice. The applicant should provide all the information required under §810.11.

(d) Participation in exchange programs approved by the Department of State in consultation with DOE;

(e) Activities carried out in the course of implementation of the "Agreement between the United States of America and the IAEA for the Application of Safeguards in the United States," done on December 9, 1980;

(f) Activities carried out by persons who are full-time employees of the IAEA or whose employment by or work for the IAEA is sponsored or approved by the Department of State or DOE; or

(g) Extraction of Molybdenum-99 for medical use from irradiated targets of enriched uranium, provided that the activity does not also involve purification and recovery of enriched uranium materials, and provided further, that the technology used does not involve significant components relevant for reprocessing spent nuclear reactor fuel (*e.g.*, high-speed centrifugal contactors, pulsed columns).

### §810.7 Activities requiring specific authorization.

Any person requires a specific authorization by the Secretary before:

(a) Engaging in any of the activities listed in §810.2(b) with any foreign country or entity not specified in the Appendix to this part;

(b) Providing or transferring sensitive nuclear technology to any foreign country or entity; or

(c) Engaging in or providing technology (including assistance) for any of the following activities with respect to any foreign country or entity (or a cit-

izen or national of that country other than U.S. lawful permanent residents or protected individuals under the Immigration and Naturalization Act (8 U.S.C. 1324b(a)(3)):

(1) Uranium isotope separation (uranium enrichment), plutonium isotope separation, or isotope separation of any other elements (including stable isotope separation) when the technology or process can be applied directly or indirectly to uranium or plutonium;

(2) Fabrication of nuclear fuel containing plutonium, including preparation of fuel elements, fuel assemblies, and cladding thereof;

(3) Heavy water production, and hydrogen isotope separation, when the technology or process has reasonable potential for large-scale separation of deuterium ( $^2\text{H}$ ) from protium ( $^1\text{H}$ );

(4) Development, production or use of a production accelerator-driven sub-critical assembly system;

(5) Development, production or use of a production reactor; or

(6) Reprocessing of irradiated nuclear fuel or targets containing special nuclear material.

### §810.8 Restrictions on general and specific authorization.

A general or specific authorization granted by the Secretary under this part:

(a) Is limited to activities involving only unclassified information and does not permit furnishing classified information;

(b) Does not relieve a person from complying with the relevant laws or the regulations of other U.S. Government agencies applicable to exports; and

(c) Does not authorize a person to engage in any activity when the person knows or has reason to know that the activity is intended to provide assistance in designing, developing, fabricating, or testing a nuclear explosive device.

### §810.9 Grant of specific authorization.

(a) An application for authorization to engage in activities for which specific authorization is required under §810.7 should be made to the U.S. Department of Energy, National Nuclear