

MEMORANDUM TO: Ronald D. Hauber, Director  
Division of Nonproliferation,  
Exports and Multilateral Relations  
Office of International Programs

FROM: Theodore S. Sherr, Chief  
Licensing and International  
Safeguards Branch  
Division of Fuel Cycle Safety  
and Safeguards, NMSS

SUBJECT: XSNM-3134, EXPORT OF NATURAL AND LOW-ENRICHED URANIUM  
TO JAPAN FOR USE AS POWER REACTOR FUEL

We have reviewed the subject export application and provide the following international safeguards and foreign physical protection information for your consideration. This case involves the export of natural and low-enriched uranium in the form of fabricated fuel assemblies to Japan for use as reload fuel in the Kashiwazaki-7 power reactor.

#### Safeguards Implementation

Japan is a party to the Non-Proliferation Treaty and, as such, accepts IAEA safeguards on all source and special nuclear material in its nuclear activities. An IAEA Facility Attachment has been negotiated and is in force for the Kashiwazaki-7 power reactor.

We note that the IAEA Safeguards Implementation Report for 1998 states that, with the exception of the DPRK situation, "...the Secretariat did not find any indication that nuclear material which had been declared and placed under safeguards had been diverted for any military purpose or for purposes unknown, or that facilities, equipment or non-nuclear material placed under safeguards were being misused. All the information available to the Agency supports the conclusion that the nuclear material and other items placed under safeguards remained in peaceful nuclear activities or were otherwise adequately accounted for."

#### Physical Protection

An evaluation was performed during a visit to Japan in May 1997. The conclusion of this review was that Japan's physical protection program was consistent with the then-current version of INFCIRC/225 (i.e., Rev. 3). Staff has reviewed subsequent information received to date, and has determined that there is no indication that the physical protection program has degraded in this country. In addition, staff has determined, on the basis of currently available information, that physical protection measures to protect against proliferation of nuclear weapons are in conformance with the current version of INFCIRC/225 (i.e., Rev.4).

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