satisfy the requirements regarding control procedures.

The procedure for implementing nuclear safeguards under the NPT has often been long and arduous. It can be broken down into the following stages. The application of safeguards presupposes that the country has signed the NPT and has ratified it in compliance with its national legislation. The third stage, which is the most delicate and difficult, is the signing of an agreement with the Agency. The form and content of such an agreement were defined after long negotiations within the Agency. They can be found in Information Circular 153 (INFCIRC/153), which was approved by the Agency's Board of Governors and serves as a model for the negotiation of agreements. These individual agreements involve two major conditions. First, the country and the Agency must agree on "subsidiary arrangements", to which only members of the Board of Governors have access. Secondly, "facility attachments" have to be filled out, giving detailed plans of each facility placed under the Agency's safeguards.

Like the 100 or so other signatories to the NPT, Canada has concluded an agreement whereby its nuclear facilities are periodically checked by the Agency's inspectors. The Canadian facilities covered by safeguards or containing material monitored by the Agency may be divided into three categories:

Category A) research reactors and critical facilities;
Category B) nuclear-power stations;
Category C) fuel-fabrication plants.

The Agency's 1976 annual report provided the following information on Canadian nuclear facilities under its control.

Category A

Name	Site	Capacity in Mw (thermal)
NRX	Chalk River, Ontario	30
NRU	Chalk River, Ontario	125
WR-1	Pinawa, Manitoba	60
McMaster	Hamilton, Ontario	2.5
Slowpoke	University of Toronto	0.00
Slowpoke	Ottawa, Ontario	0.02
PTR	Chalk River, Ontario	0.00
ZED-2	Chalk River, Ontario	0.00
ZEEP	Chalk River, Ontario	0.00
Slowpoke	Dalhousie University, Nova Scotia	0.02
Slowpoke	Ecole Polytechnique, Quebec	0.02

Category B

Name	Site	Capacity in Mw (electric)
Pickering	(4 reactors) Pickering, Ontario	4 x 540
NPD	Rolphton, Ontario	22
Gentilly	Gentilly, Quebec	250
DPGS	Kincardine, Ontario	208
Bruce GS	Tiverton, Ontario	4 x 788

Category C

Name	Site
CRNL Fuel Fabrication Plant	Chalk River, Ontario
Canadian General Electric Fuel Fabrication Plant	Peterborough, Ontario
Canadian General Electric Pelletizing Plant	Toronto, Ontario
Westinghouse Fuel Fabrication Plant	Port Hope, Ontario
Eldorado Nuclear Limited	Port Hope, Ontario
Westinghouse Fuel Fabrication Plant	Varennes, Quebec.