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ANNEXES

ANNEX I

FIELDS OF RESEARCH CONCERNING NUCLEAR ENERGY REFERRED TO IN ARTICLE 4 OF THIS TREATY

I. Raw materials

1. Methods for the prospecting and mining of base materials (uranium, thorium and other products of particular importance in the field of nuclear energy).
2. Methods of concentrating these materials and converting them into technically pure compounds.
3. Methods of converting these technically pure compounds into nuclear grade compounds and metals.
4. Methods for the conversion and processing of these compounds and metals as well as plutonium, uranium 235 or uranium 233, either pure or combined with such compounds or metals into fuel elements by the chemical, ceramic or metallurgical industries.
5. Methods of protecting such fuel elements against corrosion or erosion by external agents.
6. Methods of producing, refining, processing and preserving other special materials used in the field of nuclear energy, in particular:
 - (a) moderators, such as heavy water, nuclear grade graphite, beryllium and beryllium oxide;
 - (b) structural materials such as zirconium (hafnium-free), niobium, lanthanum, titanium, beryllium and their oxides, carbides and other compounds capable of being used in the field of nuclear energy;
 - (c) coolants, such as helium, organic liquids, sodium, sodium potassium alloys, bismuth, lead bismuth alloys.
7. Methods of isotope separation:
 - (a) of uranium;
 - (b) of materials in ponderable quantities which can be used in the production of nuclear energy, such as lithium 6, lithium 7, nitrogen 15 and boron 10;
 - (c) of isotopes used in small quantities for research.