



American Model United Nations
International Atomic Energy Agency

IAEA/II/4

SUBJECT OF RESOLUTION: Strengthening the Agency's activities related to nuclear science, technology and applications

SUBMITTED TO: The International Atomic Energy Agency

The International Atomic Energy Agency,

1 *Having examined* a need for international cooperation and active engagement with other Mem-
2 ber States, as emphasized in the IAEA Technical Cooperation Program (TCP),

3 *Noting with appreciation* the Non-Proliferation Treaty (NPT), Comprehensive Safeguards Agree-
4 ment, and the Additional Protocol in their complementary efforts to ensure proper stewardship of nu-
5 clear technologies, ,

6 *Observing* the importance and effectiveness of triangular cooperation and the benefits it pro-
7 vides to developing Member States,

8 *Considering* accessibility for equitable nuclear science, technology and applications regarding
9 radioactive safety in healthcare infrastructure,

10 *Recognizing* the accumulating levels of Spent Nuclear Fuel (SNF) across the globe,

11 1. *Noting with appreciation* the Non-Proliferation Treaty (NPT), Comprehensive Safeguards Agree-
12 ment, and the Additional Protocol in their complementary efforts to ensure proper stewardship of nu-
13 clear technologies, ;

14 2. *Invites* the expansion of multilateral nuclear material management programs facilitated by
15 the IAEA by:

16 (a) Supporting waste management standards and partnerships that already exist such
17 as the Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive
18 Waste Management and the TCP by clarifying language and making suggestions on how to improve
19 existing systems;

20 (b) Urging the IAEA Department of Nuclear Safety and Security and its subgroups to
21 monitor and enforce the promotion of management of radioactive resources;

22 3. *Urges* Member States to follow the standards of safety as defined by the World Nuclear As-
23 sociation (WNA) and the IAEA to maintain international safety standards, as laid out in Specific Safety
24 Guide No. SSG-15, Nuclear Energy Series No. NF-T-3.3, WNA Document on Storage and Disposal of
25 Radioactive Waste, and the WNA Document on Radioactive Waste Management with the recommen-
26 dation that:

27 (a) Member States form new standards as nuclear technology innovates and new re-
28 actor prototypes are developed and built;

29 4. *Appeals* to the IAEA's Department of Safeguards to provide modernized inspections and re-
30 porting systems, accessible to Member States via:

31 (a) Technological modernization, including implementation of advanced technology,
32 e.g. robotic inspection of spent fuel pools and electronic seals for remote monitoring of nuclear mate-
33 rial, adequate digital indicators for disparate reactor functions;

34 (b) Enhanced information analysis, via legal frameworks, including the full utilization of
35 legal authorities provided by the Additional Protocol, granting inspectors expanded access to infor-
36 mation and locations, including entire sites and nuclear-related research and development activities;

37 5. *Further requests* the collaboration of the UN Security Council and the Conference of Radiation
38 Program Directors (CRCPD) to stand behind the creation of concrete, stable facilities for nuclear waste,
39 acknowledging these organizations can aid in further developing activities related to nuclear science,
40 technology, and management:

41 (a) Using existing environmental frameworks such the Site and External Events Design
42 Review Service (SEED) to investigate continue looking for locations for several large scale long term
43 storage facilities;

44 (b) Additionally using Integrated Review Service for Radioactive Waste and Spent Fuel
45 Management, Decommissioning and Remediation (ARTEMIS) and the Underground Research Facili-
46 ties Network for Geological Disposal (URF Network) to locate geographically and geopolitically stable
47 regions for large scale, long-term nuclear storage;

48 (i) Should a geographical or geopolitical issue or other detrimental material fact pre-
49 vent compliance with IAEA standards regarding storage, the above programs (under
50 the IAEA Division of Radiation, Transport, and Waste Safety) are suggested to facilitate
51 trade of nuclear waste to compliant Member States until adequate storage solutions
52 are developed;

53 (c) The delegations hosting the storage sites to work with the Technical Working Group
54 on Nuclear Power Infrastructure (TWG-NPI) shall assist Member Nations in on-the-ground development
55 and construction of short and long term nuclear waste processing, decontamination, and storage;;

56 (i) The appropriate stewardship regarding the creation of short-term ("wet") nuclear
57 storage for SNF;

58 (ii) Requests Member States to consider the needs of future generations in developing
59 long-term ("dry"), low-maintenance nuclear storage, mainly Deep Geological Reposi-
60 tories (DGRs) with additional Multi-barrier Facility models;

61 (iii) Strongly employs irradiated material be contained or destroyed in an adequate
62 matter as to prevent orphan source and containment breach incidents, the develop-
63 ment of appropriate facilities is to be delegated to Member States to be used on a re-
64 gional basis;

65 (d) Recommending the adoption of a regional approach within all relevant organiza-
66 tions and IAEA subgroups that seeks to meet the specific environmental, geographical, political, energy
67 needs of Member States;

68 (e) Requesting the International Decommissioning Network (IDN), International Cata-
69 logue of Sealed Radioactive Sources and Devices (ICSRS), International Low Level Waste Disposal Net-
70 work (DISPONET), and Practical Illustration and Use of the Safety Case Concept in the Management of
71 Near-Surface Disposal (PRISM) to work with developing Member States to ensure proper containment,
72 security, and safety;

73 6. *Further requests* the collaboration of the Security Council and the Conference of Radiation
74 Program Directors (CRCPD) to stand behind the creation of concrete, stable facilities for nuclear waste,
75 acknowledging these organizations can aid in further developing activities related to nuclear science,
76 technology, and management.

Passed, Yes: 50 / No: 3 / Abstain: 6