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Assessment of the Multi-State Collaboration

In 1988, several States began activities supporting the International Atomic Energy Agency (IAEA) in developing safeguards policy and approaches for the application of safeguards for the final disposal of spent fuel in geological repositories. These activities were coordinated through IAEA Member State Support Programs, including the multi-member State Program for the Development of Safeguards for Geological Repositories (SAGOR, 1994-2004) and Program for the Application of Safeguards to Geological Repositories (ASTOR, 2005-2017). The SAGOR program included a diversion path analysis for spent fuel disposal facilities, determination of safeguards technical objectives, and identification of potential safeguards measures for meeting those objectives. The ASTOR program supported the IAEA in assessing how the safeguards measures could be effectively implemented and provided recommendations with respect to the development of the measures. The SAGOR and ASTOR programs not only provided an international forum for developing model safeguards approaches, but also allowed the participating States to exchange information on safeguards-relevant aspects of their programs which provided for better understanding of different design options and differences of perspectives regarding safeguards measures and approaches. This paper will present the author's perspectives on the strengths and weaknesses, as well as successes and failures, of the multi-Member State SAGOR and ASTOR programs that developed model safeguards approaches for encapsulation plants and geological repositories.

Which "Key Question" does your Abstract address?

NEW2.1

Which alternative "Key Question" does your Abstract address? (if any)

NEW2.2

Topics

NEW2

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