



Building Capacity for the Implementation of a Nuclear Power Programme by Developing Human Resources, Institutional Capacity and the Legal and Regulatory Framework



My three-week fellowship training took place between 27th May and 16th June 2015 at the Nuclear Power Institute, Texas A&M University. The training aimed at providing an understanding of all aspects of safety in a nuclear power project. The program included training on nuclear safety, reactor safety, safety culture, industrial safety, construction safety, safety in the workplace, and related safety issues.

Speakers for the program comprised subject matter experts dealing with different aspects of safety in their respective fields and were drawn from industry, utilities, regulatory agencies, and academia. The training also included a visit to operating facilities for discussions with plant management responsible for safety at the facilities.

The safety culture principle was extensively discussed during the fellowship training as well as political, social, cultural, and economic factors that might play a role in defining a safety culture for Kenya's nuclear power programme. The training underscored the fact that every individual at an operating facility is indeed responsible for safety.

The visit to various operating facilities and the discussions with plant management responsible for safety at the facilities provided practical information on enforcement of both process safety and personnel safety. The visit also highlighted some of the challenges faced by the management in their efforts to foster a safety culture at the facilities.

The knowledge that I gained during the fellowship training will be beneficial in formulating a nuclear safety policy and strategy for Kenya's nuclear power programme. It will also be useful in implementing the strategy as the power programme progresses to its subsequent phases.

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