

Potential Revisions to 40 CFR Part 190

Brian Littleton
U.S. Environmental Protection Agency

ABSTRACT

EPA developed its regulation governing the nuclear power industry in 1977. The Agency's "*Environmental Radiation Protection Standards for Nuclear Power Operations*" at 40 CFR Part 190 apply to radiation doses received by members of the public in the general environment and to radioactive materials introduced into the general environment as the result of operations which are part of a nuclear fuel cycle producing electricity. The operations covered by this regulation include: the operations of milling of uranium ore, chemical conversion of uranium, isotopic enrichment of uranium, fabrication of uranium fuel, generation of electricity by a light-water-cooled nuclear power plant using uranium fuel, and reprocessing of spent uranium fuel, to the extent that these directly support the production of electrical power for public use utilizing nuclear energy.

The Agency has been contacted by the nuclear industry, DOE, NRC and others inquiring if we would review the 1977 regulation to determine if it should be revised. As a result, the Agency has developed a draft Advanced Notice of Proposed Rulemaking for potentially revising this standard. This presentation discusses background and issues for reconsideration in this notice.

Paper presented at the 24th Annual RETS/REMP Workshop, June 24-26, 2014, Savannah, GA.