

*NRC Update 2008 – The “Nuclear Renaissance”*  
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The Office of New Reactors (NRO) was established in February 2007 to prepare for an expected series of applications for new power reactor licenses. NRO is responsible for the review and issuance of standard reactor design certifications (DC), early site permits (ESP), and combined licenses (COL) for commercial nuclear power plants. Since that time, nine COL applications and four DC applications have been received.

The Siting and Accident Consequences Branch (RSAC) of NRO is responsible for a variety of issues required by 10 CFR Parts 52 and 100 for determining the suitability of prospective nuclear power plant sites. Part of the branch's responsibility includes reviewing information on regional climatic and local meteorological conditions, the pre-operational and operational onsite meteorological measurements program, and the development of atmospheric dispersion factors for evaluating routine operational airborne releases as well as potential accidental airborne releases of radioactivity.

This presentation will provide an overview of current and planned new reactor licensing applications, updates and proposed updates to meteorology-related regulatory guides, NUREGs, branch positions, and modeling software.