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NRC Renews Seabrook Station Operating License

The Nuclear Regulatory Commission has renewed the operating license of Seabrook Station for an additional 20 years.

Seabrook's license will now expire March 15, 2050. The single pressurized-water reactor is located in Seabrook, N.H., about 13 miles south of Portsmouth. The operator, NextEra Energy Seabrook, submitted the renewal application in May 2010.

The NRC's review of the application proceeded on two tracks. A safety evaluation report was issued in September 2018, and a final supplemental environmental impact statement was issued in July 2015. These documents, as well as other information regarding the Seabrook license renewal application, are available on the [NRC website](#).

The renewal review accounted for the discovery of a rare concrete degradation issue, "alkali-silica reaction" at Seabrook. NextEra applied in August 2016 to amend Seabrook's license for appropriate analysis of ASR-affected components. The NRC approved the amendment on March 11. More information on the ASR issue is [available on the NRC website](#). The NRC's Advisory Committee on Reactor Safeguards also [reviewed the staff's work](#) on the license renewal application and recommended its approval.

With the renewal of the Seabrook operating license, 94 commercial nuclear power reactors have received renewed licenses (four of those have since permanently shut down). Three applications for subsequent license renewal are currently under review. Information about reactor license renewal is available on the [NRC website](#).