

## 50.59 SERs

ADAMS Doc #	Sites	Utility/Org.	GOTHIC Vers.	Date of Approval	Title	Description
ML061600132	Arkansas Nuclear One 1	Entergy Nuclear Operations	Not Stated	30-Mar-06	10 CFR 50.59 Summary Report and Commitment Change Summary Report	10 CFR 50.59 Summary Report documenting use of GOTHIC for heat-up analysis of environmental conditions following a service water failure or Loss of Offsite Power (LOOP).
ML14349A657	Braidwood 1&2	Exelon Generation Co., LLC	7.2a	15-Dec-14	10 CFR 50.59 Summary Report	10 CFR 50.59 Summary Report documenting use of GOTHIC for analysis of environmental conditions following a high energy line break event (HELB).
ML020560155	Calvert Cliffs 1&2	Constellation Energy	Not Stated	15-Feb-02	Notification of Use of GOTHIC Computer Code	10 CFR 50.59 Notice documenting use of GOTHIC in analyzing containment pressure and temperature.
ML042930637	Cooper	Nebraska Public Power District (NPPD)	7.0	14-Oct-04	10CFR50.59(d)(2) Summary Report	10 CFR 50.59 Summary Report for use of GOTHIC for Reactor Building HELB and Post-LOCA Heat-up (PLHU) analyses resulting in new temperature and pressure profiles for Equipment Qualification (EQ) purposes.
ML061740391	Davis-Besse	FirstEnergy Nuclear Operating Co.	7.0	21-Jun-06	10 CFR 50.59 Report of Facility Changes, Tests and Experiments	10 CFR 50.59 Summary Report for use of GOTHIC for analyzing compartment pressure response to High Energy Line Breaks (HELBs) outside containment.
ML033010437	Duane Arnold	NextEra Energy Duane Arnold, LLC	Not Stated	20-Oct-03	Report of Facility Changes, Tests and Experiments, Fire Plan Changes and Commitment Changes	Report of Facility Change documenting use of GOTHIC for High Energy Line Break (HELB) both inside and outside containment and Loss of Coolant Accident (LOCA) as part of the Environmental Qualification (EQ) Program and Extended Power Uprate (EPU).
ML003733354	Millstone 1	Dominion Generation	Not Stated	30-Sep-99	Submittal of the Defueled Safety Analysis Report and the 10CFR50.59 Annual Report	Safety Analysis Report detailing use of GOTHIC for Loss of Fuel Pool Cooling analysis.
ML053060340	Palisades	Entergy Nuclear Operations	7.1 (Patch 1)	19-Oct-05	Report of Facility Changes, Tests and Experiments and Summary of Commitment Changes (10 CFR 50.59)	10 CFR 50.59 Summary Report documenting the use of GOTHIC to evaluate Containment response to Loss of Coolant Accidents (LOCAs) and Main Steam Line Breaks (MSLBs).
ML13182A008	Robinson 2	Duke Energy Power Company, LLC	8.0	14-Jun-13	Use of GOTHIC Computer Code for Containment Analysis at the H.B. Robinson Steam Electric Plant, Unit No. 2	10 CFR 50.59 Notice documenting use of GOTHIC in analyzing containment pressure and temperature.
ML11291A120	South Texas 1&2	STP Nuclear Operating Co.	Not Stated	10-Oct-11	10CFR50.59 Summary Report	10 CFR 50.59 Summary Report detailing use of GOTHIC for containment pressure and temperature analysis during Main Steam Line Break (MSLB) events.
ML083290421	Turkey Point 3&4	Florida Power & Light Co.	Not Stated	10-Nov-08	10 CFR 50.59 Summary Report	Summary Report noting the use of GOTHIC to assess the effects of a loss of RHR event with the reactor vessel upper internals in-place versus removed.