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RA-15-0047
10 CFR 50.46

U.S. Nuclear Regulatory Commission
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H. B. Robinson Steam Electric Plant, Unit No. 2
Docket Nos. 50-261 / Renewed License Nos. DPR-23

Subject: Annual Report of Changes Pursuant to 10 CFR 50.46

Pursuant to 10 CFR 50.46(a)(3)(ii), Duke Energy Progress, Inc. hereby submits the enclosed annual report of changes to and errors discovered in the loss of coolant accident analyses for the H. B. Robinson Steam Electric Plant, Unit No. 2, for the period October 22, 2014, through October 26, 2015.

This document contains no regulatory commitments. Please refer any questions regarding this submittal to Art Zaremba at (980) 373-2062.

Sincerely,

A handwritten signature in black ink, appearing to read 'Chris Nolan', written in a cursive style.

M. Christopher Nolan
Director Nuclear Regulatory Affairs

Enclosure: 1) Annual Report of Changes Pursuant to 10 CFR 50.46

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ENCLOSURE 1
 Annual Report of Changes Pursuant to 10 CFR 50.46

10 CFR 50.46 REPORT FOR H. B. ROBINSON, UNIT 2

This report provides an estimate of the effect on peak cladding temperature (PCT) of changes and error corrections in the Loss-of-Coolant Accident (LOCA) evaluation models (EMs) for the Emergency Core Cooling System (ECCS) at the H. B. Robinson Steam Electric Plant, Unit No. 2, covering the period of October 22, 2014 through October 26, 2015.

Large Break Loss-of-Coolant Accident (LBLOCA) Evaluation Model

CHANGED CONDITION	PCT IMPACT (°F)
Change in Robinson pressurizer pressure range from 2205 – 2285 psig to 2195 – 2285 psig (FAB 15-00063)	0
Cumulative Impact	0

Small Break Loss-of-Coolant Accident (SBLOCA) Evaluation Model

CHANGED CONDITION	PCT IMPACT (°F)
Change in Robinson pressurizer pressure range from 2205 – 2285 psig to 2195 – 2285 psig (FAB 15-00063).	0
Cumulative Impact	0

PEAK CLADDING TEMPERATURE ESTIMATES

The current PCT estimates associated with LOCA ECCS EMs are listed below. These estimates include the cumulative effects of significant and non-significant error corrections and evaluation model changes through October 26, 2015.

EVENT	PCT (°F)
LBLOCA, ECCS Injection Mode	2088
SBLOCA, ECCS Injection Mode	1552