



April 4, 1997

United States Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Document Control Desk

Subject: Supplement to the Application for Amendment to Appendix A,
Technical Specifications for Facility Operating Licenses:

Byron Nuclear Power Station, Units 1 and 2
Facility Operating Licenses NPF-37 and NPF-66
NRC Docket Nos. 50-454 and 455

Braidwood Nuclear Power Station, Units 1 and 2
Facility Operating Licenses NPF-72 and NPF-77
NRC Docket Nos. 50-456 and 457

Supplement to Request for Additional Information for the Ampacity
Derating Analyses.

Reference: J. Hosmer (ComEd) Letter to NRC Document Control Desk,
"Response to the NRC Request for Additional Information
Regarding Ampacity Derating Analyses", dated July 12, 1996.

In the reference the Commonwealth Edison Company (ComEd) submitted Calculation
No. BYR96-082/BRW-96-194, "Ampacity Derating for Standard Fire Wrap
Configuration." Page 292 of that calculation was inadvertently omitted from the
submittal. Pages 291 and 292 are attached. They should be inserted into the copies of the
calculation.

Please address any questions to Marcia Lesniak, Nuclear Licensing Administrator, at 630-
663-6484.

Sincerely,

Marcia T. Lesniak
Nuclear Licensing Administrator

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April 4, 1997

Attachment

cc: A. B. Beach, Regional Administrator, RIII
G. F. Dick, Byron/Braidwood Project Manager, NRR
S. Burgess, Senior Resident Inspector, Byron
C. Phillips, Senior Resident Inspector, Braidwood
Office of Nuclear Safety, IDNS

COMMONWEALTH EDISON COMPANY

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|---|---|------------------------|
| CALCULATION NO. : BYR96-082 / BRW-96-194 | PROJECT NO. 09050-051 & 09135-200 | PAGE NO. 292 OF 297 |
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Calculation of derating factors for various depths of fill (File FREEAIR.MCD)

FREEAIR.MCD

Depths of Fill and Corresponding Heat Intensities

| | | |
|------------|----------|--|
| DOF_tab := | 0.525 | 14.075 |
| | 0.586 | 12.451 |
| | 0.648 | 11.103 |
| | 0.711 | 9.967 |
| | 0.777 | 8.998 |
| | 0.844 | 8.162 |
| | 0.914 | 7.435 |
| | 0.985 | 6.798 |
| | 1.059 | 6.234 |
| | 1.134 | 5.733 |
| | 1.212 | 5.285 |
| | 1.292 | 4.883 |
| DOF_tab := | 1.374 in | HI_tab := 4.520 watt ft ⁻¹ in ⁻² |
| | 1.459 | 4.191 |
| | 1.547 | 3.892 |
| | 1.637 | 3.620 |
| | 1.730 | 3.370 |
| | 1.826 | 3.141 |
| | 1.926 | 2.931 |
| | 2.028 | 2.737 |
| | 2.134 | 2.557 |
| | 2.243 | 2.391 |
| | 2.356 | 2.238 |
| | 2.473 | 2.095 |
| | 2.594 | 1.962 |

Aux_tab := cspline(DOF_tab, HI_tab)

HI(DOF) := interp(Aux_tab, DOF_tab, HI_tab, DOF)