

March 30, 2001

MEMORANDUM TO: Stuart A. Richards, Director  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

FROM: Girija S. Shukla, Project Manager, Section 2 */RA/*  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MARCH 15, 2001, MEETING WITH THE EATON  
CORPORATION TO DISCUSS THE NRC REVIEW OF A GENERIC  
TOPICAL REPORT ON THE PLUS 32 DIGITAL PLANT DISTRIBUTED  
CONTROL SYSTEM

On March 15, 2001, the U.S. Nuclear Regulatory Commission (NRC) met with the Eaton Corporation (Eaton) to discuss the NRC review of a generic topical report on their PLS 32 Class 1E digital plant distributed control system. Eaton has significant experience in reactor plant control and instrumentation, and seek entry into the domestic market for power uprates and licensee renewals/extensions projects.

The meeting began with a presentation by the Eaton staff that provided an overview of the PLS 32 system to the NRC along with the background, system design processes, system software, application software, plant specific applications, and nuclear qualification and testing. Eaton also discussed how best to submit a topical report and what form to maximize the efficiency and effectiveness of the review. Eaton described that the PLS 32 system is not a commercial off-the-shelf system, but fully qualified for nuclear safety Class 1E applications. The PLS 32 system has been installed in many foreign nuclear power plants after receiving approval from their regulatory agencies, many of which follow guidance from the NRC regulations. Eaton indicated that they will be submitting the topical report on the PLS 32 system in about 8-10 weeks, and requested a NRC safety evaluation (SE) by November 2001. The staff indicated that it will probably take one year to review the report, but a preliminary SE may be possible by the requested date.

A list of those attending the meeting is provided in the attachment. The slides used by Eaton during the meeting are available under ADAMS accession number ML010850393.

Attachment: Meeting Attendees

cc w/att: See next page

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On March 15, 2001, the U.S. Nuclear Regulatory Commission (NRC) met with the Eaton Corporation (Eaton) to discuss the NRC review of a generic topical report on their PLuS 32 Class 1E digital plant distributed control system. Eaton has significant experience in reactor plant control and instrumentation, and seek entry into the domestic market for power uprates and licensee renewals/extensions projects.

The meeting began with a presentation by the Eaton staff that provided an overview of the PLuS 32 system to the NRC along with the background, system design processes, system software, application software, plant specific applications, and nuclear qualification and testing. Eaton also discussed how best to submit a topical report and what form to maximize the efficiency and effectiveness of the review. Eaton described that the PLuS 32 system is not a commercial off-the-shelf system, but fully qualified for nuclear safety Class 1E applications. The PLuS 32 system has been installed in many foreign nuclear power plants after receiving approval from their regulatory agencies, many of which follow guidance from the NRC regulations. Eaton indicated that they will be submitting the topical report on the PLuS 32 system in about 8-10 weeks, and requested a NRC safety evaluation (SE) by November 2001. The staff indicated that it will probably take one year to review the report, but a preliminary SE may be possible by the requested date.

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cc w/att: See next page

Meeting Notice Accession No. ML010640176  
Package Accession No. ML010920341

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DOCUMENT NAME: C:\Eaton 3-15-01 Mtg Sum.wpd  
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Eaton Corporation

cc:

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**MEETING WITH THE EATON CORPORATION  
ON THE PLuS 32 DIGITAL PLANT DISTRIBUTED CONTROL SYSTEM**

**MARCH 15, 2001**

**ATTENDANCE LIST**

**EATON**

S. Yousif  
D. Kulp  
W. Herryty  
T. Perkins  
P. Stankiewicz  
R. Magner

**NRC**

G. Shukla  
E. Lee  
E. Marinos  
P. Loeser  
P. Regnier  
M. Waterman  
K. Mortensen  
S. Dembek  
D. Spaulding  
M. Chiramal  
J. Calvo

**OTHER**

Leslie Collins, Westinghouse  
David Herrell, MPR Associates

SUMMARY OF **MARCH 15, 2001**, MEETING WITH THE EATON CORPORATION TO  
DISCUSS THE NRC REVIEW OF A GENERIC TOPICAL REPORT ON THE PLuS 32 DIGITAL  
PLANT DISTRIBUTED CONTROL SYSTEM

Dated: **March 30, 2001**

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