From:	Lois James
To:	Camilli, Nicholas
Cc:	RidsNrrOd Resource; RidsNrrDex Resource; RidsNrrLADHarrison Resource; RidsNrrDorl Resource; RidsNrrDorlLlpb Resource; RidsACRS_MailCTR Resource; Lois James; Gerond George; Thomas Scarbrough; Stewart Bailey; Nicholas Hansing; FSetzer@epri.com; vvaughn@epri.com
Subject:	Final Safety Evaluation Associated with Electric Power Research Institute (EPRI) Report 3002023774, EPRI Motor-Operated Valve (MOV) Performance Prediction Methodology (PPM), Version 4.1 (EPID L-2023-NTR-0006)
Date:	Thursday, April 11, 2024 2:18:02 PM
Attachments:	NRC Final SE for EPRI PPM Version 4.1 - Final SE.docx

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Nicholas Camilli, Principal Project Manager
Nuclear Maintenance Applications Center Program (NMAC)
Electric Power Research Institute (EPRI)
1300 West W.T. Harris Boulevard
Charlotte, NC 28262-8550

Dear Mr. Camilli

By letter dated June 14, 2023 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML23180A012), Electric Power Research Institute (EPRI) submitted the Motor-Operated Valve (MOV) Performance Prediction Methodology (PPM), Version 4.1, 3002023774, to the U.S. Nuclear Regulatory Commission (NRC) for review and approval. The EPRI MOV PPM software was developed to enhance industry's ability to size MOV s and predict their performance.

By email dated March 19, 2024, the NRC staff issued its draft safety evaluation (SE) (ADAMS Accession No. ML24053A342) for proprietary review.

By email dated March 20, 2024 (ADAMS Accession No. ML24080A156), EPRI informed the NRC staff that there was no proprietary information in the draft SE.

As described in the final SE, the NRC staff determined that EPRI has justified the changes made in the EPRI MOV PPM, Version 4.1, for determining the thrust and torque required to operate valves under dynamic flow conditions. Therefore, the NRC staff concludes that the EPRI MOV PPM, Version 4.1, is acceptable for use by nuclear power plant applicants and licensees were implemented in accordance with the provisions of the EPRI MOV PPM and the previous SEs prepared by the NRC staff on the EPRI MOV PPM. In reaching this conclusion, the NRC staff relies on the review described in this SE and previously issued SEs for overall acceptability of the EPRI MOV PPM.

Our acceptance applies only to material provided in the subject TR. We do not intend to repeat our review of the acceptable material described in the TR. When the TR appears as a reference in license applications, our review will ensure that the material presented applies to the specific plant involved. License amendment requests that deviate from this TR will be subject to a plant-specific review in accordance with applicable review standards.

In accordance with the guidance provided on the NRC website, we request that EPRI publish an accepted version of EPRI Report 3002023774, EPRI MOV Performance Prediction Methodology (PPM), Version 4.1, within three months of receipt of this email. The approved versions shall incorporate this letter and the enclosed final SE after the title page. The accepted version shall include an “A” (designating accepted) following the TR identification symbol.

If future changes to the NRC's regulatory requirements affect the acceptability of this TR, EPRI will be expected to revise the TR appropriately. Licensees referencing this TR would be expected to justify its continued applicability or evaluate their plant using the revised TR.

If you have any questions or require any additional information, please feel free to contact the me via Lois.James@nrc.gov.

Sincerely,

Lois M. James, Senior Project Manager
Licensing Project Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 99902021

Enclosure:
Final Safety Evaluation

ADAMS Accession Nos.: ML24080A160 (Pkg); ML24080A164 (E-mail); ML24080A170 (SE)
^via eConcurrence *via email;

OFFICE	DORL/LLPB/PM	DORL/LLPB/LA	DEX/EMIB/BC	OGC (NLO)
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DATE	03/21/2024	03/25/2024	03/20/2024	03/27/2024
OFFICE	DORL/LLPB/BC	DORL/LLPB/PM		
NAME	GGeorge^	LJames^		
DATE	04/10/2024	04/11/2024		

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