

October 11, 2017

MEMORANDUM TO: Dennis C. Morey, Chief
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Division of Licensing Projects
Office of Nuclear Reactor Regulation

FROM: Joseph J. Holonich, Senior Project Manager /RA/
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SUBJECT: SUMMARY OF AUGUST 31, 2017, REVIEW KICKOFF MEETING WITH
RESEARCH AND PRODUCTION CORPORATION RADIY

On August 30, 2017, U. S. Nuclear Regulatory Commission (NRC) staff met with representatives of Research and Production Corporation Radiy. This was a review kickoff meeting to discuss the Radiy digital instrumentation and control (DI&C) platform topical report (TR). Information related to the meeting including presentations and attendees list can be found in the Agencywide Document Access and Management System (ADAMS) package ML17186A099.

Radiy provided information on its platform in a number of different presentations. Nonproprietary copies of the Radiy presentations can be found in the referenced ADAMS package. Throughout the presentations, the NRC staff asked a number of questions to gain a better understanding of the platform being proposed by Radiy.

During the presentations, the NRC staff asked about equipment qualification (EQ) data. Radiy informed the NRC staff that it did have some EQ data from work done for a customer. Radiy took an action to see if the customer would agree to Radiy providing the information to the NRC. This was an action from the meeting.

Another focused topic discussed in detail was that Radiy had made changes to the diagnostic function of the platform. Radiy asked how the NRC staff wanted this changes sent to the NRC. It was agreed that Radiy would docket this information in either a supplement to the TR or a letter to the NRC. In either approach, Radiy would incorporate this change into the "-A" version of the topical report should the NRC staff accept the platform for use. This was a second action from the meeting.

Following the Radiy presentations, the NRC staff provided information on revisions to Regulatory Guide 1.180, Revision 1, "Guidelines for Evaluating Electromagnetic and Radio-Frequency Interference In Safety-Related Instrumentation and Control Systems." A copy of Regulatory Guide 1.180 is in the referenced ADAMS package. The NRC staff took an action to inform Radiy when the Regulatory Guide was published for comment.

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Next, the NRC staff discussed its review schedule. The NRC staff discussed the priority of the Radiy topical report. The staff informed Radiy that based on the priority using the Priority Matrix from the January 25, 2017, workshop on topical reports the platform review was low priority. Because of that, the NRC staff anticipated that the current review schedule could slip due to the receipt of a new topical report that impacted operating reactors. However, it was noted that the delay may be minimal given that Radiy expected to respond to any requests for additional information in 30 days instead of the 60 days used by the staff for planning purposes.

As part of the schedule discussion, the NRC staff provided information on its audit. The NRC staff reported that having detailed design documents and EQ information and test results available on a SharePoint site could make the audit process more efficient. Radiy explained that it was prepared to provide access to a SharePoint site. The NRC staff took an action to provide the names of individual who would need access to the SharePoint site.

A question was asked about the NRC staff accessing a server in the Ukraine where the Radiy SharePoint site was hosted. The NRC staff took an action to confirm accessing the site was within the security of the NRC network.

The action items from the meeting were:

- 1) Radiy will check with its customer about providing the NRC staff the EQ data;
- 2) Radiy will provide the revisions to the diagnostic revisions via letters; and
- 3) The NRC staff will complete the following:
 - a. Inform Radiy when the revision to Regulatory Guide 1.180 is available for public comment;
 - b. Provide names of NRC staff who need access to the Radiy SharePoint site; and
 - c. Confirm that access to the Radiy SharePoint site on a server in the Ukraine is permitted under NRC network security.

Project No. 817

D. Morey

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ADAMS Accession Nos.: Pkg. (ML17186A099); Summary (ML17187A010); *via e-mail NRC-001

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