



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

October 17, 2016

MEMORANDUM TO: Dennis C. Morey, Chief
Aging Management of Reactor Systems Branch
Division of License Renewal
Office of Nuclear Reactor Regulation

FROM: Brian D. Allik, Materials Engineer/**RA**/
Aging Management of Reactor Systems Branch
Division of License Renewal
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE MEETING BETWEEN THE U.S.
NUCLEAR REGULATORY COMMISSION STAFF AND THE
INDUSTRY TO DISCUSS CURRENT TOPICS RELATED TO
DEGRADATION OF BURIED AND UNDERGROUND PIPING
AND TANKS

The U.S. Nuclear Regulatory Commission (NRC) staff and representatives of industry met on September 20, 2016, to discuss activities related to the degradation of buried and underground piping and tanks. The meeting summary package is available in the NRC's Agencywide Documents Access and Management System (ADAMS) under Accession No. ML16274A285.

Enclosures:
1) Meeting Summary
2) Participation List

cc: Reactor License Renewal Stakeholder: GovDelivery

CONTACT: Brian Allik, NRR/DLR
301-415-1082

October 21, 2016

MEMORANDUM TO: Dennis C. Morey, Chief
Aging Management of Reactor Systems Branch
Division of License Renewal
Office of Nuclear Reactor Regulation

FROM: Brian D. Allik, Materials Engineer/**RA**/
Aging Management of Reactor Systems Branch
Division of License Renewal
Office of Nuclear Reactor Regulation

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ADAMS ACCESSION Nos: ML16274A285 (package); ML 16277A057 (summary); ML16244A128 (NRC slides), ML16251A145 (industry slides) *Concurred via email

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|--------|--------------|-------------|--------------|--------------|
| OFFICE | LA:RPB1:DLR* | PM:RSRG:DLR | PM: RARB:DLR | BC:RARB:DLR |
| NAME | IBetts | EGettys | BAllik | DMorey |
| DATE | 10/ 5 /2016 | 10/ 6 /2016 | 10/ 17 /2016 | 10/ 17 /2016 |

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Summary for the September 20, 2016, Meeting on Buried and Underground Piping and Tanks

On September 20, 2016, the U.S. Nuclear Regulatory Commission (NRC) staff held a Category 2 public meeting with representatives from the Nuclear Energy Institute (NEI), NACE International (formerly known as the National Association of Corrosion Engineers), Institute of Nuclear Power Operations (INPO) and other industry representatives at NRC Headquarters in Rockville, MD. This public meeting was one in an ongoing series of interactions between NRC staff, industry representatives and other stakeholders to understand the scope and schedule for industry activities related to degradation of buried and underground piping and tanks. Minutes of previous meetings are available at Agencywide Document Access and Management System (ADAMS) Accession Numbers ML093070162, ML100810295, ML103230366, ML11137A171, ML113210661, ML12116A043, ML13050A590, ML13301A792, ML13133A206, ML14184B374, and ML15092A805. A list of meeting attendees is enclosed. The meeting notice and agenda is available at ADAMS Accession Number ML16223A468. Meeting presentations are available at ADAMS Accession Numbers ML16244A128 and ML16251A145.

At the beginning of the meeting, NRC staff reviewed the status of the NRC's Buried Piping Action Plan, stating that the NRC had completed all action items and closed the action plan. The staff also provided a summary of results from NRC Temporary Instruction 2515/182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks," and provided an update on a recent review of operating experience related to the degradation of buried and underground piping and tanks. The staff finished the presentation with an overview of license renewal interim staff guidance, LR-ISG-2015-01, "Changes to Buried and Underground Piping and Tank Recommendations."

NEI provided an update on the Underground Piping and Tanks Initiative implementation status. NEI noted that all operating plants have completed all implementation milestones and that future activities and inspections will be captured in each site's asset management plan. In addition, NEI noted that decommissioning plants' underground assets are managed through the site's decommissioning plan. Furthermore, the INPO representative stated that site's buried pipe programs will continue to be evaluated in conjunction with other engineering programs.

A representative of NACE International described ongoing activities in NACE Task Group 404, "Nuclear Buried Piping," to develop buried piping inspection, assessment and corrosion prevention standards optimized for nuclear power plant applications.

At the end of the meeting, the NRC provided an opportunity for public comment. There was no comment from the public.

**Meeting on Buried and Underground Piping and Tanks
Participants List**

September 20, 2016

PARTICIPANTS

AFFILIATION

| | |
|-------------------|--|
| Brian Allik | U.S. Nuclear Regulatory Commission (NRC) |
| Robert Hardies | NRC |
| John Tsao | NRC |
| Bill Holston | NRC |
| Jerry Hiatt | Nuclear Energy Institute (NEI) |
| Mark Richter | NEI |
| Joseph Maurice | Institute of Nuclear Power Operations |
| Steven Dolley | Inside NRC |
| John Waddill | Innsbrook Technical Center |
| Paul Gunter | Beyond Nuclear |
| Ryan Lighty | Morgan, Lewis & Bockius LLP |
| John Hufnagel | Exelon |
| Steven Tipps | CERTREC |
| John Favara | Entergy |
| Andrew Taylor | Entergy |
| Russell Thompson | TVA |
| Matthew Golliet | Westinghouse |
| Henry Kleinfelder | CorrTech, Inc. |
| James Melchionna | PSEG Nuclear |