

AGENDA

INDUSTRY / NRC NONDESTRUCTIVE EXAMINATION TECHNICAL INFORMATION
EXCHANGE PUBLIC MEETING (CATEGORY 2)
AT U.S. NUCLEAR REGULATORY COMMISSION HEADQUARTERS
THREE WHITE FLINT NORTH (ROOMS 1C03 AND 1C05), 11601 LANDSDOWN STREET
NORTH BETHESDA, MD 20852

Time	Topic	Topic (Detail)	Presenter
Tuesday, January 17, 2017			
Opening items			
1:00	Meeting opening	Attendance, announcements, action items, EPRI ¹ and NRC ¹ organizational updates	NRC Alley Industry Selby
Code			
1:30	NDE ¹ -related ASME ¹ Code activities	Review of 2016 NDE ¹ -related Code activities	Industry Lofthus
2:00	RPV ¹ threads in flange	Industry progress on developing a technical basis to remove this requirement from Code	Industry Hacker
2:30	UT ¹ in lieu of RT ¹	Update on Industry efforts enabling the use of UT ¹ instead of RT ¹ for various applications	Industry Hacker
2:50	Break		
PDI			
3:10	PDI ¹ update	Update of PDI ¹ operational items	Industry Anthony
3:30	PDI ¹ qualification statistics update	PDI ¹ Program statistics update since last meeting	Industry Anthony
3:50	IGSCC ¹ requalification	Update on Industry IGSCC ¹ requalification activities	Industry Hacker
4:30	Public comments	Opportunity for members of the public to make comments and to ask questions of the NRC ¹	NRC Alley
4:40	Adjourn		

Time	Topic	Topic (Detail)	Presenter
Wednesday, January 18, 2017			
Reliability			
8:00	Proposed rulemaking on Class 1 DM ¹ welds	The proposed 2013 Rulemaking (which has already been gone thru public comments) contains a condition for the encoded inspection of all Class 1 DM ¹ welds. How may Industry/NRC ¹ handle potential relief requests?	Joint discussion Industry Hacker NRC Collins
8:45	Industry activities for NDE ¹ reliability improvement	Status of Industry's activities for NDE ¹ reliability improvement	Industry Hacker
9:00	Low Value / High Impact NDE ¹ applications	Update on Industry Low Value / High Impact NDE ¹ Examination Project	Industry Hacker
Research overviews			
9:25	BWRVIP ¹ NDE ¹ projects	Brief descriptions of NDE ¹ -related projects	Industry McKean
9:40	MRP ¹ NDE ¹ projects	Brief descriptions of NDE ¹ -related projects	Industry Nowakowski
10:00	Break		
10:20	NDE ¹ Program projects	Brief descriptions of NDE ¹ -related projects	Industry Hacker
11:05	Thermal fatigue UT ¹ examination guidance	NRC ¹ : provide background on regulatory interest. Industry: Update on implementation of MRP ¹ -146 and EPRI ¹ interim guidance MRP ¹ 2015-025 regarding thermal fatigue examinations and how limited coverage is addressed	NRC Cumblidge Industry Nowakowski
11:45	Public comments	Opportunity for members of the public to make comments and to ask questions of the NRC ¹	NRC Alley
11:50	Lunch		
1:00	Introduction to EPRI/RES ¹ MOU ¹	High-level introduction to EPRI/RES ¹ joint research process under a MOU ¹	NRC Nove
1:10	Update on Remote VT ¹ Round Robin	Objectives, design and execution status of Phase 3 round robin	NRC Nove Industry Oliveri
2:20	CASS ¹ research (part 1)	Research on examination capabilities for CASS ¹ and the development of Appendix VIII, Supplement 9 technical basis	NRC Nove Industry Hacker
3:00	Break		

3:20	CASS ¹ research (continued)	Research on examination capabilities for CASS ¹ and the development of Appendix VIII, Supplement 9 Technical Basis	NRC Nove Industry Hacker
3:50	HDPE ¹ research	NDE ¹ capability for HDPE ¹ piping, including 2016 round robin opportunity	NRC Nove Industry Lofthus
4:40	Public comments	Opportunity for members of the public to make comments and to ask questions of the NRC ¹	NRC Alley
4:50	Adjourn		
Thursday, January 19, 2017			
Broad NDE picture			
8:00	UT ¹ modeling and simulation	Research status and planning as stakeholders work toward agreement on modeling best practices	NRC Nove Industry Hacker
8:40	Human factors research	Research results, literature search; summary of the new MOU ¹ Attachment on human factors	NRC D'Agostino Industry Hacker
9:20	Design for inspectability overview	Emergent hot topic within ASME ¹ Code, NRC ¹ and Industry is the design for inspectability issue with AP1000 ¹ . A new ASME ¹ Code Task Group has been formed to address the issue. The issue brings in many items of NDE ¹ research included single sided austenitic examination qualification, CASS ¹ examination, limited examination coverage, and possibly risk-informed ISI ¹ . Brief update with discussion to follow.	Industry Lofthus
9:50	Break		
10:10	RV ¹ upper head bare metal visual examination	Discuss examination requirements and experience with addressing relevant conditions	NRC Cumblidge Industry Hacker
10:40	Rulemakings in the works	Discuss timeline for adoption of ASME ¹ 2009-2013; also reprise NRC ¹ presentation at Code August 2016.	NRC Cumblidge
11:00			
11:20	Open discussion	Further discussion of any items; looking ahead	Industry/ NRC
11:40	Closing items	New action items, announcements, next meeting	Industry/ NRC
11:55	Public comments	Opportunity for members of the public to make comments and to ask questions of the NRC ¹	NRC Alley
12:00	Adjourn		

Acronym¹

EPRI – Electric Power Research Institute
NRC – U.S. Nuclear Regulatory Commission
ASME – American Society of Mechanical Engineers
RPV – Reactor Pressure Vessel
RV – Reactor Vessel
UT – Ultrasonic Testing
RT – Radiographic Testing
PDI – Performance Demonstration Initiative
IGSCC – Intergranular Stress Corrosion Cracking
DM – Dissimilar Metal
BWRVIP – Boiler Water Reactor Vessel and Internals Project
MRP – Materials Reliability Program
RES – NRC: Office of Nuclear Regulatory Research
MOU – Memorandum of Understanding
VT – Visual Examination
CASS – Cast Austenitic Stainless Steel
HDPE – High Density Polyethylene
AP1000 – Advanced Passive 1000
ISI – Inservice Inspection