AGENDA

JANUARY 22-23, 2025 ANNUAL NRC-INDUSTRY NDE TECHNICAL INFORMATION EXCHANGE (TIE) PUBLIC MEETING (HYBRID)
NRC HEADQUARTERS, ROCKVILLE, MD
Room: OWFN-01G05

Wednesday, January 22, 2025			
Time (EDT)	**Topic**	**Presenter**	**Presentation ID**
8:00 am	Introductions and Opening Statements	NRC/Industry	
8:10 am	ASME Code Update including AI/ML Actions	Industry	1
8:30 am	Industry Performance Demonstration Activities	Industry	2
8:50 am	MRP Update	Industry	3
9:10 am	BWRVIP Update	Industry	4
9:30 am	Training Opportunity: Fundamental Applications of NDE for Managers and Engineers (CBT)	Industry	5
9:50 am	**Break**		
10:10 am	Recent OE	Industry	6
11:00 am	EPRI 2025 Workplan: Overview	Industry	7
11:20 am	Advanced UT for CASS	Industry	8
11:40 am	Expansion and Refinement of Virtual Mockup Capabilities	Industry	9
12:00 pm	**Lunch**		
1:00 pm	Balance-of-Plant Heat Exchanger and Condenser ET Best Practices Database	Industry	10
1:20 pm	Tube Support Plate Degradation ET Evaluation	Industry	11
1:40 pm	AI/ML for Tubing ET Analysis	Industry	12
2:00 pm	RI-ISI Support, Extension, and Implementation	Industry	13
2:20 pm	UT in Lieu of RT for Construction/Fabrication	Industry	14
2:40 pm	NRC Position on UT in Lieu of RT	NRC	15
3:00 pm	**Break**		
3:20 pm	NDE of Novel Repair/Replacement Materials	Industry	16
3:40 pm	NRC Position on NDE of Novel Repair/Replacement Materials	NRC	17
4:00 pm	NDE of CFRP Repairs	NRC/Industry	18
4:20 pm	Importance of Continued NDE Collaboration between EPRI/Industry and NRC/PNNL/ORNL (Discussion)	Industry	19
4:50 pm	Public Comments	NRC	
5:00 pm	**Adjourn Day 1**		

Thursday, January 23, 2025

Time (EDT)	Topic	Presenter	Presentation ID
8:00 am	Opening Statements	NRC	
8:05 am	AI/ML for CRDM UT Analysis	Industry	20
8:30 am	AI/ML for DMW UT Analysis	Industry	21
8:50 am	AI/ML for Core Shroud and Core Barrel UT Analysis	Industry	22
9:10 am	Virtual Round Robin	Industry	23
9:30 am	AI/ML for In-Vessel Visual Analysis	Industry	24
9:50 am	AI/ML for Manual UT and Other Future Projects	Industry	25
10:00 am	**Break**		
10:20 am	Automated Data Analysis	NRC-ORNL	26
10:50 am	NRC Position on AI/ML for NDE	NRC	27
11:20 am	NDE of Electron Beam Welds	NRC-PNNL	28
11:40 am	Public Comment	NRC	
11:55 am	Closing Statements	NRC/Industry	
12:00 pm	**Adjourn**		
1:00 pm	Closed Session	Industry/NRC	
2:00 pm	Closed Session	Industry/NRC	
3:00 pm	**Break**		
3:20 pm	Closed Session	Industry/NRC	
4:20 pm	Closed Session	Industry/NRC	
5:00 pm	**Adjourn Day 2**		

AI: Artificial Intelligence
ASME: American Society of Mechanical Engineers
BWRVIP: Boiling Water Reactor Vessel Internals Program
CASS: Cast Austenitic Stainless Steel
CBT: Computer-Based Training
CFRP: Carbon Fiber-Reinforced Polymer
CRDM: Control Rod Drive Mechanism
DMW: Dissimilar Metal Weld
EPRI: Electric Power Research Institute
ET: Eddy Current Testing
ML: Machine Learning
MRP: Materials Reliability Program
NDE: Nondestructive Examination
NRC: U.S. Nuclear Regulatory Commission
OE: Operating Experience
ORNL: Oak Ridge National Laboratory
PNNL: Pacific Northwest National Laboratory
RI-ISI: Risk-Informed Inservice Inspection
RT: Radiographic Testing
UT: Ultrasonic Testing