



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

October 6, 2021

MEMORANDUM TO: Dennis C. Morey, Chief  
Licensing Processes Branch  
Division of Operating Reactors Licensing  
Office of Nuclear Reactor Regulation

FROM: Ekaterina Lenning, Project Manager */RA/*  
Licensing Processes Branch  
Division of Operating Reactors Licensing  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF WESTINGHOUSE ELECTRIC COMPANY 2021  
FUEL PERFORMANCE UPDATE CLOSED MEETING  
(EPID: L-2021-NTM-0004)

On September 22, 2021, Westinghouse Electric Company (Westinghouse) held virtually 2021 Westinghouse Fuel Performance Update Meeting in a form of teleconference. Westinghouse presented proprietary information regarding Westinghouse fuel performance and future plans. Westinghouse provided updates on the pressurized water reactor (PWR) fuel performance codes and methods and on the boiling water reactor (BWR) fuel performance and methods that included AXIOM® cladding (licensing plans, properties, performance data), and PRIME™ fuel. Westinghouse also provided updates on the Westinghouse accident tolerant fuel (ATF) program, EnCore® fuel program, ADOPT™ fuel, coated cladding, high burnup program, and Westinghouse ATF milestones. Westinghouse presented information on the future topical report submittals. Additional topics of discussion were Westinghouse machine learning programs and additive manufacturing. By letter dated September 21, 2021, Westinghouse submitted presentation slides (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21265A010). The list of attendees is enclosed.

Enclosure:  
List of Attendees

CONTACT: Ekaterina Lenning  
301-415-3151

SUBJECT: SUMMARY OF WESTINGHOUSE ELECTRIC COMPANY 2021 FUEL  
PERFORMANCE UPDATE CLOSED MEETING (EPID: L-2021-NTM-0004)  
DATED OCTOBER 6, 2021

**DISTRIBUTION:**

PUBLIC

RidsNrrDorlLLpb  
RidsNrrLADHarrison  
RidsOgcMailCenter  
RidsACRS\_MailCTR  
RidsNrrDss  
RLukes, NRR  
RidsNrrDorl  
RidsNrrDssSfnb  
RidsResOd  
DMorey, NRR  
ELenning, NRR

**EXTERNAL DISTRIBUTION:**

Nathaniel Mackereth  
[nathaniel.mackereth@westinghouse.com](mailto:nathaniel.mackereth@westinghouse.com)

**ADAMS Accession Nos.:**

**ML21266A401 (Package)**

**ML21264A256 (Notice)**

**ML21271A570 (Meeting Summary)**

| OFFICE | NRR/DORL/LLPB/PM | NRR/DORL/LLPB/LA | NRR/DSS/SFNB/BC | NRR/DORL/LLPB/BC |
|--------|------------------|------------------|-----------------|------------------|
| NAME   | ELenning         | DHarrison        | RLukes          | DMorey           |
| DATE   | 9/28/2021        | 10/5/2021        | 10/5/2021       | 10/6/2021        |

**OFFICIAL RECORD COPY**

**ATTENDEES FOR THE WESTINGHOUSE ELECTRIC COMPANY 2021 FUEL**

**PERFORMANCE UPDATE CLOSED MEETING**

**SEPTEMBER 22, 2021**

**8:30 AM – 4:30 PM**

| <b>Attendees</b>  | <b>Organization</b>                 |
|-------------------|-------------------------------------|
| Joe Donoghue      | Nuclear Regulatory Commission (NRC) |
| Michael Dudek     | NRC                                 |
| Robert Lukes      | NRC                                 |
| Mathew Panicker   | NRC                                 |
| Robert Beaton     | NRC                                 |
| Santosh Bhatt     | NRC                                 |
| John Budzynski    | NRC                                 |
| Joseph Messina    | NRC                                 |
| Josh Whitman      | NRC                                 |
| Fred Forsaty      | NRC                                 |
| Paul Clifford     | NRC                                 |
| Josh Whitman      | NRC                                 |
| Kevin Heller      | NRC                                 |
| Andrew Proffitt   | NRC                                 |
| Alice Chung       | NRC                                 |
| Diana Woodyatt    | NRC                                 |
| Reed Anzalone     | NRC                                 |
| Josh Kaizer       | NRC                                 |
| Ashley Smith      | NRC                                 |
| Paul Clifford     | NRC                                 |
| Jason Piotter     | NRC                                 |
| Adam Rau          | NRC                                 |
| Ahsan Sallman     | NRC                                 |
| John Lehning      | NRC                                 |
| James Corson      | NRC                                 |
| Lucas Kyriazidis  | NRC                                 |
| Ryan Nolan        | NRC                                 |
| Zack Sweeney      | NRC                                 |
| Noushin Amini     | NRC                                 |
| Rosemary Sugrue   | NRC                                 |
| Summer Sun        | NRC                                 |
| Kevin Heller      | NRC                                 |
| Michelle Bales    | NRC                                 |
| Muhammad Razzaque | NRC                                 |
| Jackie Harvey     | NRC                                 |
| Michael Wentzel   | NRC                                 |
| Dennis Morey      | NRC                                 |
| David Tiktinsky   | NRC                                 |

Enclosure

|                     |  |
|---------------------|--|
| Zena Abdullahi      | NRC  |
| Ekaterina Lenning   | NRC  |
|                     |  |
| Anthony Schoedel    | Westinghouse Electric Company (Westinghouse) |
| Kenneth Altemus     | Westinghouse                                 |
| Jean-Marie LeCorre  | Westinghouse                                 |
| Kathryn Metzger     | Westinghouse                                 |
| Jeffrey Bradfute    | Westinghouse                                 |
| Jeffery Brown       | Westinghouse                                 |
| Jorge Carvajal      | Westinghouse                                 |
| Mark Dye            | Westinghouse                                 |
| Cenk Guler          | Westinghouse                                 |
| Parvez Khambatta    | Westinghouse                                 |
| David Keller        | Westinghouse                                 |
| Nathaniel Mackereth | Westinghouse                                 |
| Brian Millare       | Westinghouse                                 |
| Jeff Kobelak        | Westinghouse                                 |
| Andrew Atwood       | Westinghouse                                 |
| John Perock         | Westinghouse                                 |
| Max O'Cain          | Westinghouse                                 |
| Emre Tatli          | Westinghouse                                 |
| Bradley Maurer      | Westinghouse                                 |
| David Mitchell      | Westinghouse                                 |
| Zachary McDaniel    | Westinghouse                                 |
| David Huegel        | Westinghouse                                 |
| Zeses Karoutas      | Westinghouse                                 |
| Yun Long            | Westinghouse                                 |
| James Smith         | Westinghouse                                 |
| Jason Smith         | Westinghouse                                 |
| Yixing Sung         | Westinghouse                                 |
|                     |  |
| Nicolae Bobolea     | Dominion Energy (Dominion)                   |
| Christopher Clemens | Dominion                                     |
| Nadine Shane        | Dominion                                     |
| Nawal Valliani      | Dominion                                     |
|                     |  |
| Chris Eastus        | Entergy                                      |
|                     |  |
| Jason Murphy        | Exelon Nuclear (Exelon)                      |
| Philip I Wengloski  | Exelon                                       |
|                     |  |
| Jonathan Chavers    | Southern Nuclear (Southern)                  |
| Victoria Lynn Fitz  | Southern                                     |