



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

February 11, 2021

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

FROM: Ngola Otto, Project Manager */RA/*
Licensing Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF FEBRUARY 2, 2021, PARTIALLY CLOSED MEETING
WITH EXELON GENERATION COMPANY, SOUTHERN NUCLEAR
COMPANY, GLOBAL NUCLEAR FUEL, AND THE U.S. NUCLEAR
REGULATORY COMMISSION REGARDING HIGHER BURNUP AND
INCREASED ENRICHMENT FOR ADVANCED BOILING WATER
REACTOR FUELS (EPID L-2021-NTM-0000)

On February 2, 2021, the U.S. Nuclear Regulatory Commission (NRC) staff held a partially closed teleconference meeting via Microsoft Teams with representatives from Exelon Generation Company (Exelon), Southern Nuclear Company (SNC), and Global Nuclear Fuel (GNF). The purpose of the meeting was for Exelon, SNC, GNF and the NRC staff to discuss plans for using higher burnup (HBU) and higher enrichment advanced Boiling Water Reactor (BWR) fuels. The meeting was noticed on January 14, 2021, and is available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML21029A173.

During the open session of the meeting industry representatives from Exelon, SNC, and GNF discussed key issues and motivation for HBU and increased enrichment (IE) for BWR fuels. There were no questions from members of the public during the open session. During the closed session of the meeting, industry representatives from Exelon, SNC, and GNF discussed planned technical activities to support HBU BWR fuels, including risk-informed licensing approach for high burnup extension and addressed the NRC staff's questions pertaining to their licensing approach.

A list of the attendees is enclosed. The presentation materials, including this meeting summary, can be found at ADAMS Package Accession No. ML21026A240.

Enclosure: As stated

CONTACT: Ngola Otto, NRR/DORL
301-415-6695

List of Attendees

PARTIALLY CLOSED MEETING WITH EXELON GENERATION COMPANY,
SOUTHERN NUCLEAR COMPANY, GLOBAL NUCLEAR FUEL, AND
THE U.S. NUCLEAR REGULATORY COMMISSION REGARDING
HIGHER BURNUP AND INCREASED ENRICHMENT FOR ADVANCED BWR FUELS
FEBRUARY 2, 2021
3:30 pm – 5:00 pm

| <u>NAME</u> | <u>ORGANIZATION</u> |
|--------------------|---|
| Bill Gassmann | Exelon Generation Company (Exelon) |
| Scot Greenlee | Exelon |
| Dave Gullott | Exelon |
| Ken Petersen | Exelon |
| Rebecca Steinman | Exelon |
| Phil Wengloski | Exelon |
| Paul Cantonwine | Global Nuclear Fuel – Americas (GNF) |
| Michelle Catts | GNF |
| Bill Cline | GNF |
| Peter Diller | GNF |
| Russ Fawcett | GNF |
| Kent Halac | GNF |
| John Hannah | GNF |
| Jim Harrison | GNF |
| Randy Jacobs | GNF |
| Patty McCumbee | GNF |
| Brian Moore | GNF |
| Tammy Orr | GNF |
| Tyler Schweitzer | GNF |
| Russell Stachowski | GNF |
| Tao Wu | GNF |
| Johnathan Chavers | Southern Nuclear Company (SNC) |
| Randall Dunavant | SNC |
| Ryan Joyce | SNC |
| John Williams | SNC |
| Joseph Donoghue | U. S. Nuclear Regulatory Commission (NRC) |
| Philip McKenna | NRC |
| MJ Ross-Lee | NRC |
| Robert Lukes | NRC |
| Dennis Morey | NRC |
| Scott Krepel | NRC |

| <u>NAME</u> | <u>ORGANIZATION</u> |
|--------------------|--|
| Michael Orenak | NRC |
| Ngola Otto | NRC |
| Kevin Heller | NRC |
| Paul Clifford | NRC |
| Andrew Proffitt | NRC |
| Mathew Panicker | NRC |
| John Lehning | NRC |
| Brandon Wise | NRC |
| John Wise | NRC |
| Joseph Lucas | NRC |
| Josh Whitman | NRC |
| Lucas Kyriazidis | NRC |
| Andrew Barto | NRC |
| Robert Beaton | NRC |
| James Corson | NRC |
| Michelle Bales | NRC |
| Alice Chung | NRC |
| Steve Cowne | Public |
| Benjamin Holtzman | Nuclear Energy Institute (NEI) |
| Robert S. Daum | Electric Power Research Institute (EPRI) |

SUBJECT: SUMMARY OF FEBRUARY 2, 2021, PARTIALLY CLOSED MEETING WITH EXELON GENERATION COMPANY, SOUTHERN NUCLEAR COMPANY, GLOBAL NUCLEAR FUEL, AND THE U.S. NUCLEAR REGULATORY COMMISSION REGARDING HIGHER BURNUP AND INCREASED ENRICHMENT FOR ADVANCED BOILING WATER REACTOR FUELS (EPID L-2021-NTM-0000) DATED FEBRUARY 11, 2021

DISTRIBUTION:

| | |
|--------------------|------------------|
| PUBLIC | PClifford, NRR |
| RidsACRS_MailCTR | MPanicker, NRR |
| RidsNrrLADHarrison | JLehning, NRR |
| RidsOgcMailCenter | BWise, NRR |
| RidsNrrDssSfnb | JWhitman, NRR |
| RidsNrrDorLLpb | JCorson, RES |
| RidsResOd | MBales, RES |
| RidsNrrDss | LKyriazidis, RES |
| KHeller, NRR | ACHung, RES |
| DMorey, NRR | AProffitt, NRR |
| RLukes, NRR | Morenak, NRR |
| NOtto, NRR | MPanicker, NRR |
| JDonoghue, NRR | JWise, NMSS |
| MJRoss-Lee, NRR | ABarto, NMSS |
| PMcKenna, NRR | JLucas, OCHCO |

EXTERNAL DISTRIBUTION:

Rebecca.Steinman@exeloncorp.com

ADAMS Accession Nos.:

ML21026A240 (Package)

ML21026A240(Summary)

ML21029A076 (Affidavit)

ML21029A075 (Presentation - Proprietary)

ML21026A234 (Presentation - Non-Proprietary)

***via e-mail**

| OFFICE | NRR/DORL/LLPB/PM* | NRR/DORL/LLPB/LA* | NRR/DORL/LLPB/BC* | NRR/DORL/LLPB/PM* |
|--------|-------------------|-------------------|-------------------|-------------------|
| NAME | NOtto | DHarrison | DMorey | NOtto |
| DATE | 2/5/2021 | 2/9/2021 | 2/10/2021 | 2/11/2021 |

OFFICIAL RECORD COPY