

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

2016.05.06

KHNP

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

PRESENTERS

- **Kevin Hwang : Seismic PRA Consultant (SGH)**
- **JeongGuk Song : PRA Group Leader (Seismic)**
- **EunSil Song : PRA Group Supervisor**

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

Contents

- 1. Methodology**
- 2. Seismic Input Motion**
- 3. APR1400 SSCs with design-specific HCLPF capacities**
- 4. Approach for HCLPF capacity evaluation**
- 5. Reactor containment building HCLPF evaluation**
- 6. Auxiliary building HCLPF evaluation**
- 7. Global stability of NI structure**
- 8. HCLPF capacities of building structures**
- 9. RCS components**
- 10. HCLPF capacities of RCS components**
- 11. HCLPF capacities of other SEL components**
- 12. Conclusion**

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

1. Methodology

TS

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

2. Seismic Input Motion

TS

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

3. APR1400 SSCs with design-specific HCLPF capacities

TS

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

4. Approach for HCLPF capacity evaluation

TS

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

4. Approach for HCLPF capacity evaluation (cont'd)

TS

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

5. Reactor building HCLPF evaluation

TS

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

6. Auxiliary building HCLPF evaluation

TS

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

7. Global stability of NI structure

TS

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

8. HCLPF capacities of building structures

TS

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

9. RCS components

TS

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

9. RCS components (cont'd)

TS

The Results of Fragility Analysis for PRA-Based SMA of APR1400 PRA

10. HCLPF capacities of RCS components

TS

The Result of Fragility Analysis for PRA-Based SMA of APR1400 PRA

11. HCLPF capacities of other SEL components

TS

The Result of Fragility Analysis for PRA-Based SMA of APR1400 PRA

12. Conclusion

TS



THANK YOU!