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June 28, 2013
GO2-13-091

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
11555 Rockville Pike
Rockville, MD 20852

Subject: **COLUMBIA GENERATING STATION, DOCKET NO. 50-397
ENERGY NORTHWEST'S RESPONSE TO REQUEST FOR INFORMATION REGARDING THE CAPABILITY TO PERFORM OFFSITE DOSE ASSESSMENT DURING AN EVENT INVOLVING MULTIPLE RELEASE SOURCES**

Reference: 1) Letter dated February 27, 2013, from JT Wiggins (NRC) to JE Pollock (NEI) Requesting Information related to Multi-Unit Dose Assessment Capability

2) Letter, dated March 14, 2014, JE Pollock (NEI) to JT Wiggins (NRC), "Commitment for Implementation of Multi-Unit Dose Assessment Capability"

Dear Sir or Madam:

In Reference 1, the Nuclear Regulatory Commission (NRC) requested additional detailed information regarding licensee's site-specific current or planned multi-unit dose assessment capabilities. In Reference 2, the Nuclear Energy Institute (NEI) notified the NRC that licensees would provide the requested detailed information directly to the NRC via letter. Reference 2 also identified the scope of the detailed information that would be provided. The requested information for Columbia Generating Station is provided in Attachment 1 to this letter. This letter contains no new or revised regulatory commitments. If you have any questions or require additional information, please contact Ms. L. L. Williams at (509) 377-8148.

Respectfully,

for

D. A. Swank
Assistant Vice President, Engineering

Attachment: As stated

cc: NRC Region IV Administrator
NRC NRR Project Manager
NRC Senior Resident Inspector/988C
AJ Rapacz – BPA/1399 (email)

A001
NRR

ENERGY NORTHWEST'S RESPONSE TO REQUEST FOR INFORMATION REGARDING THE CAPABILITY TO PERFORM OFFSITE DOSE ASSESSMENT DURING AN EVENT INVOLVING MULTIPLE RELEASE SOURCES

In a letter from the Nuclear Energy Institute (NEI) to the Nuclear Regulatory Commission (NRC) dated March 14, 2013, the nuclear industry committed to provide details to NRC relating to dose assessment capability addressing the following subjects:

1. A summary of the current capability to perform multi-unit/multi-source dose assessment

2. For those who do not have this capability, the anticipated schedule to establish it on an interim and/or permanent basis. It is expected that interim measures will be available to perform this function prior to implementation of a permanent solution.

3. Due dates associated with each key schedule action or milestone

4. A description of how the implementation schedule will be tracked and the associated tracking identifiers (e.g., a commitment tracking or corrective action system number)

Energy Northwest Response:

1. Currently, Energy Northwest's Columbia Generating Station uses the Emergency Dose Projection System (EDPS) and Quick Emergency Dose Projection System (QEDPS) dose assessment computer programs to perform offsite dose assessment. EDPS/QEDPS are proprietary software programs based on RASCAL 2.0, which provides for single source dose assessments. These programs do not have the capability to perform simultaneous multi-source calculations.

2. While continuing to evaluate the options that RASCAL provides for multi-source dose assessments, Energy Northwest currently plans to modify the EDPS/QEDPS software to allow for a separate spent fuel pool (SFP) source dose calculation in addition to the reactor core source dose calculation it presently provides. In the unlikely event of a release from these multiple sources during concurrent events in a manner such that the reactor source and the SFP source releases can be monitored separately (i.e., the SFP release alone is monitored from the reactor building elevated release point and the reactor release is monitored from the Radwaste and/or Turbine building elevated release points), individual dose assessments will be run for each release source. The individual dose assessment results will be manually summed to determine a total offsite dose assessment result. The permanent resolution for multi-source dose assessment will be the deployment of next generation URI/RASCAL software containing this capability.

3. The interim action is currently planned to be complete by March 2014. Regarding the permanent resolution, within approximately six months of Exelon developing and implementing the URI/ RASCAL software, Energy Northwest will begin actions to adopt it with the expectation of completion by no later than December 2014.

4. Energy Northwest Emergency Preparedness is tracking completion of the above implementation milestone activities under Action Request (AR) 259708, "10 CFR 50.54(f) Letter-NTTF Rec. 9.3 Emergency Preparedness."