

Staff Feedback
Responses to RAI 8299, Questions 3.7.2-7, 3.7.2-10, and 3.7.2-12

Question 3.7.2-7:

Regarding response to item (b) *Representation of Floor Loads, Live Loads, and Major Equipment in Dynamic Model*, the staff requests the applicant to clarify the following:

- a) What is the movable heavy equipment used during maintenance of the plant and is it limited to equipment or does this also include storage items?
- b) As per note (1) such heavy equipment is not removed from the RCB. Given that the equipment is left in the RCB, how was the mass of such equipment considered in the seismic model?
- c) What is the relationship, if any, of the movable heavy equipment and the equipment referred to in Section 3.2.5 of APR1400-E-S-NR-14002-P, Rev.0? Section 3.2.5 states that the mass of major equipment is distributed over specific tributary areas where applicable.
- d) Where in the RCB, are the movable heavy equipment stationed and how is it anchored?

Question 3.7.2-10:

Regarding response to item (a)(i) *Flexible Floors and Walls*:

The staff needs additional information to verify the adequacy of the ANSYS models to accurately capture the out-of-plane response of walls. The staff request the applicant to identify walls with fundamental frequencies lower than 50 Hz, based on classical plate vibration formulas. For such walls the staff request the applicant to provide the ANSYS fine and coarse model frequencies, the dimensions for those walls, and the mesh size for the walls.

Question 3.7.2-12:

The draft response provided on March 22, 2016 is adequate.