

**PSEG Nuclear Power Plant
(ESP) Application
Requests for Additional Information (RAIs)**

Title:

RAI ID: (Assigned electronically)

Status: Pending Review

Demand Estimation

Acceptance Criteria: Requirements A and H; Acceptance Criterion 11

Regulatory Basis: Section II of Appendix 4 to NUREG-0654.

RAI ETE-1: Permanent resident population values were provided for the year 2010, and transient population values were provided for the year 2009 as shown in Table 3-4, "Summary of Transients and Transient Vehicles," and Table 3-5, "Summary of Non-EPZ Employees and Employee Vehicles." **Explain why 2009 population data was used for transients and non-EPZ employees. Include this information in the ETE Report.**

RAI ETE-2: The annual Olde Tyme Peach Festival in Middletown, Delaware brings 27,000 people into the town for the one day event. **Explain whether this should be added as a special event within the EPZ, and include the analysis in the ETE Report, if appropriate.**

RAI ETE-3: Table 8-2, "School Population Demand Estimate," lists 15,059 students which includes all of the schools identified in Table E-1, "Schools within the PSEG Site EPZ," and some of the schools from Table E-2, "Day Care Facilities within the PSEG Site EPZ." **Explain why only some of the Table E-2 schools were included in the analysis. Include this information in the ETE Report.**

RAI ETE-4: Table 8-2 lists 275 students at St. George's Technical High School, however an independent review of schools within the EPZ found that the school's website lists 1,000 enrolled students. The review also found additional schools, including St. Mary's School, Bacons Neck School and Union School, located within the EPZ.

- A. Explain whether 1,000 students for St. George's Technical High School should be used in the analysis, and include this in the ETE Report, if appropriate.**
- B. Explain whether St. Mary's School, Bacons Neck School and Union School should be included in the ETE, and include them if appropriate.**

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Analysis of Evacuation Times

Acceptance Criteria: Requirements A and H; Acceptance Criterion 11

Regulatory Basis: Section IV of Appendix 4 to NUREG-0654.

RAI ETE-5: Section 7.2, "Patterns of Traffic Congestion During Evacuation," describes congestion on Route 49 westbound through Salem City, and describes Salem City as limited to two evacuation routes. **Explain why Route 49 was not considered an evacuation route out of Salem City, thereby providing a third evacuation route out of the city. Include this information in the ETE Report.**

RAI ETE-6: Section 8.1, "Transit Dependent People – Demand Estimate," describes an example where approximately 70 percent of transit dependent persons evacuated via ride sharing and references NUREG/CR-6953 Volume 2, "Review of NUREG-0654, Supplement 3, 'Criteria for Protective Action Recommendations for Severe Accidents' – Focus Groups and Telephone Survey." In review of NUREG/CR-6953, Volume 2, staff found a statement that 72 percent of respondents were likely to provide a ride to individuals, but found no indication of an incident in which 70 percent of transit-dependent persons were evacuated via ride-sharing. **Correct the reference to NUREG/CR-6953 to clarify that the study indicates a likely percentage of ride-share based on a telephone survey. Include this information in the ETE Report.**

RAI ETE-7: The State of New Jersey Radiological Response Plan, Table B-2, "Non-Institutionalized Special Needs Population within the Emergency Planning Zone by Zip Codes," identifies 140 special needs residents that may need assistance evacuating. **Explain the reason for the difference between the 34 individuals identified in New Jersey in Section 8.5, "Special Needs Population," of the ETE Report and the 140 identified in the state plan. Include this information in the ETE Report.**

RAI ETE-8: Section 8.4, "Evacuation Time Estimate for Transit Dependent People," explains that the Appoquinimink School District and Salem City Schools do not have sufficient bus resources to evacuate school children in a single wave, and these schools will be assisted through a Memoranda of Understanding (MOU) and Mutual Aid Agreements outlined in the State of New Jersey Radiological Emergency Response Plan. **Explain whether the mobilization time for buses deployed under the MOU is the same as the time for buses that are notified directly. Include this information in the ETE Report.**

RAI ETE-9: Table 7-1C, "Time to Clear the Indicated Area of 100 Percent of the Affected Population," shows that the time to evacuate the 5 mile area is less than the time to evacuate the 2 mile area. **Explain why the time to evacuate the 2 mile area is less than the time to evacuate the 5 mile area. Include this information in the ETE report.**

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Other Requirements

Acceptance Criteria: Requirements A and H; Acceptance Criterion 11

Regulatory Basis: Section V of Appendix 4 to NUREG-0654.

RAI ETE-10: Section 1.1, "Overview of the ETE Process," states that local and state police *should* review all traffic control plans. **Explain whether the ETE study has been reviewed by local stakeholders and whether comments received have been addressed. Include this information in the ETE study.**