

50.54Q I.D. Number: 2012 - 35

50.54Q Title: Evacuation Time Estimate Study, KLD TR-499 Revision 0

**Description of the change made to the Emergency Plan/Procedures:**

The Evacuation Time Estimate Report, prepared by *KLD Engineering, P.C.* for PSEG, describes the analyses and the results obtained from development of the Evacuation Time Estimates (ETE) for the Salem & Hope Creek Nuclear Generation Stations (SHCNGS), located in Salem, NJ. ETEs are part of the required planning basis and provide PSEG Nuclear along with State and local governments, site-specific information needed for Protective Action decision making. The report was prepared by KLD IAW NUREG/CR-7002 using 2010 Census data.

The Executive Summary from the ETE Report will be maintained as Attachment 6 to the PSEG Emergency Plan replacing the existing 2004 ETE currently in Attachment 6. The complete Evacuation Time Estimate Report, including all associated attachments is maintained as a separate Reference Document internal to the PSEG Document Management System.

EPZ Population Data from the ETE will be used to revise the ERPA Population Table in *PSEG Nuclear Emergency Plan Section 1, Introduction*. After the ETE is submitted to the NRC for the required 180 day review period, ETE information concerning estimated evacuation times based on time-of-day and weather conditions will be used to update procedure NC.EP-EP.ZZ-0404 - *Protective Action Recommendation (PAR) Update*. In addition, the States of New Jersey and Delaware will be provided the final ETE Report for their use in updating their emergency plans and/or Protective Action Strategies as they deem necessary.

**Description of why the change is editorial (if not editorial, N/A this block):**

N/A

**Description of the licensing basis affected by the change to the Emergency Plan/Procedure (if not affected, omit this element):**

- PSEG Emergency Plan
  - Emergency Plan Section 1 contains information derived from the ETE (Page 1.10 Table 1-1 ERPA Populations) – will be revised per new ETE.
  - Emergency Plan Attachment 6 is the 2004 ETE study performed by KLD Associates – will be revised per new ETE to include only the ETE Report Executive Summary with reference to the complete ETE Report.
- NC.EP-EP.ZZ-0404(Q) Protective Action Recommendations (PARS) Upgrades:
  - Attachment 4, *Evacuation Time Estimates - General Public Evacuation Times* contains the evacuation time estimates for NJ and DE ERPAs for day and evening under normal and adverse conditions – will be revised per new ETE after 180 day NRC review period.
  - Attachment 5, *Permanent Population Distribution By Compass Direction* contains the compass rose with population distributions – will be revised per new ETE after 180 day NRC review period.

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**A description of how the change to the Emergency Plan/Procedures still complies with regulation:**

The Evacuation Time Estimate study was performed IAW NUREG/CR-7002 using 2010 Census data and is in accordance with emergency plan planning standards per 10 CFR 50.47 and does not change or contradict program functions or elements.

**A description of why the proposed change was not a reduction in the effectiveness of the Emergency Plan/Procedure:**

The ETE and resulting changes to the E-Plan and associated procedures are consistent with regulatory guidance provided for development of such studies and the changes have no negative impact on protective actions function as described in the PSEG Emergency Plan and supporting procedures.