

## 22. CONCLUSIONS

In accordance with Subpart A, "Early Site Permits," of Title 10 of the *Code of Federal Regulations* (10 CFR), Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants," the staff of the U.S. Nuclear Regulatory Commission (NRC) reviewed the site safety analysis report (SSAR), and the emergency planning (EP) information included in the early site permit (ESP) application submitted by PSEG Power, LLC and PSEG Nuclear, LLC (PSEG) for an ESP for the PSEG ESP site. On the basis of its evaluation and its independent analyses as discussed in this safety evaluation report (SER), the staff concludes that the PSEG Site ESP application satisfies the applicable standards set out in 10 CFR Part 50 "Domestic Licensing of Production and Utilization Facilities" and its appendices and 10 CFR Part 100, "Reactor Site Criteria," subject to limitations and conditions proposed by the staff in this SER for inclusion in any ESP that might be issued. Further, for the reasons set forth in this SER, the staff concludes that, taking into consideration the applicable requirements of 10 CFR Part 50 and its appendices and 10 CFR Part 100, one or two reactors, having characteristics that fall within the parameters for the site, and which meet the terms and conditions proposed by the staff in this SER, can be constructed and operated without undue risk to the health and safety of the public. The staff also finds that the proposed inspections, tests, analyses, and acceptance criteria (ITAAC) for EP are necessary and sufficient, within the scope of the ESP, to provide reasonable assurance that the facility has been constructed and will be operated in conformity with the license, the provisions of the Atomic Energy Act, and the Commission's rules and regulations. For the reasons above, the staff also concludes that issuance of the requested ESP will not be inimical to the common defense and security or to the health and safety of the public. If issued, the PSEG Site ESP may be referenced in an application to construct and operate one or two nuclear power reactors with a maximum thermal power that does not exceed 4614 megawatts (thermal) (MWt) for a single unit or 6830 MWt for a dual unit at the ESP site, with a capability of producing up to approximately 2200 megawatts electric (MWe) net of electrical power, subject to the terms and conditions of the permit.