19. CONCLUSIONS

In accordance with Subpart A, “Early Site Permits,” of Title 10 of the *Code of Federal Regulations* (10 CFR), Part 52, “Early Site Permits, Standard Design Certifications, and Combined Licenses for Nuclear Power Plants,” the staff of the U.S. Nuclear Regulatory Commission reviewed the site safety analysis report and emergency planning information included in the early site permit (ESP) application submitted by Exelon Generation Company, LLC (EGC or the applicant), for the Exelon Generation Company (EGC) ESP site. On the basis of its evaluation and independent analyses as discussed in this safety evaluation report (SER), the staff concludes that the EGC ESP site characteristics comply with the requirements of 10 CFR Part 100, “Reactor Site Criteria,” with the 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 site criteria contained in 10 CFR Part 100, a reactor(s), having characteristics that fall within the parameters for the site, and which meets 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. For the same reasons, 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 EGC ESP may be referenced in an application to construct or to construct and operate a nuclear power reactor, or reactors, with a total generating capacity of up to 6800 megawatts (thermal) at the ESP site, subject to the terms and conditions of the permit.