

**Response to DNR Data Request No. 1**  
**Maryland Public Service Commission Case No. 9127**  
**UniStar Nuclear Energy, LLC and UniStar Nuclear Operating Services, LLC**

**Question 1-7**

On page 6-22 of the Technical Report, it is stated that the four smaller essential service water system (ESWS) cooling towers are designed for an air flow of 1.3 million scfm and 18,333 gallons per minute, with two units typically in service during normal operations. However, in Table 6.5-4 the design air flow for the ESWS is shown as 1,213,000 scfm each and the design water flow rate is shown as 9,538 gallons per minute, for each cooling tower. Please clarify these discrepancies.

**RESPONSE**

The references to the design criteria for the Essential Service Water System (ESWS) cooling towers on page 6-22 and in Table 6.5-4 on page 6-30 should be a design water recirculation flow rate of 19,075 gallons per minute and an air flow rate of 1,213,000 acfm for each tower. Please note the potential emission estimates for PM, PM10, and PM2.5 for the ESWS towers are based on two units operating 8,760 hours per year at maximum capacity rather than four units.