

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 1-3

Under Nuclear Regulatory Commission rules, is it permissible to have enforceable operating restrictions that limit the annual hours of operation for emergency equipment such as the proposed emergency diesel generator and station blackout generators?

RESPONSE

UniStar does not intend to have enforceable operating restrictions that limit the annual hours of operation for emergency equipment. U.S. Nuclear Regulatory Commission (NRC) requirements and guidance regarding emergency diesel generators (EDGs) are in the plant's Technical Specifications and NRC Regulatory Guide documents. These requirements and guidance cover areas such as the size of the EDGs, elements of the periodic testing of EDGs, and the frequency of these tests. These requirements and guidance are intended to result in the EDGs having both a high level of reliability as well as a high availability. In this way, the EDGs can be counted upon to perform their intended safety function of providing the AC power necessary to safely shut the plant down in the highly unlikely event that offsite AC power to the plant is lost. Such an event is considered an upset condition and has only occurred once in the over 30 years of operation at Calvert Cliffs Nuclear Power Plant Units 1 and 2. In 1986 the affected EDGs performed their safety function for a loss of offsite power and were required to run for a period of 6 to 8 hours.