

Enclosure 1

The NRC has received information regarding the performance of certain activities at Hope Creek that may not meet acceptable station standards, procedures and practices in the maintenance area. The concerns are listed below.

Statement of Concern(s):

1. While investigating possible causes of jacket water pump seal leaks in Hope Creek emergency diesel generators (EDGs) during 2002, some debris was found on the soft side seal face of the C EDG jacket water pump. PSEG Engineering determined that this debris was not capable of failing the seal and causing leakage, since the seal wear appeared to be consistent with its current in-service time (six years) and limited debris collection was expected during operation of the pump. It was asserted that: 1) the engineering judgement used to assess the root cause of the jacket water leaks was flawed because it did not adequately explain why the debris found on the seal face did not contribute to causing the seal leak, and 2) pump seal leakage could have been prevented in C EDG, and would be prevented in the future in other EDGs if the systems were flushed to remove grit as part of preventative maintenance.
2. It was asserted that the Hope Creek B EDG common shaft was degraded and needed replacement, but PSEG chose not to because the expense was excessive.
3. It has been asserted that PSEG should research the history of the common shaft replacement for all four diesel generators at Hope Creek to determine common causes including the potential effects of metal filings or grit intrusion into the EDG lube oil jacket water system.

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