

should be noted that the TLDs measure direct radiation from both the Salem and Hope Creek Generating Stations at Artificial Island.

TLDs at onsite locations 2S-2 and 5S-1, which are 0.3 miles and 0.9 miles from the point of origin, averages 4.9 and 4.6 mrad/month respectively. The values for locations 2S-2 and 5S-1 are within the statistical variation associated with the properitoneal program results.

It should be noted the nearest resident is 3.5 miles away. It can thus be concluded that there is no measurable dose to any offsite location from direct radiation.

Part F. METEOROLOGICAL DATA

Cumulative joint wind frequency distribution by atmospheric stability class at the 300 foot elevation are provided for the third and fourth quarters of 1989 in Tables 5 and 6.

Part G. INOPERABLE MONITORS

During the reporting period the Liquid Radwaste Discharge monitor was out of service from September 17, 1989 to October 19, 1989. This exceeded the Technical Specification 3.3.7.10-1 30 day inoperability which requires a report in this semiannual report. The monitor was declared out of service due to high background readings which had the potential of masking the detection of normal effluents. Efforts to bring the background levels down by cleaning and decontamination were made but background levels continued to return to high levels after a liquid release was made. A combination of cleaning and diagnosis was made during the ensuing 32 days which resulted in the replacement of the detector well. It was also discovered key isolation valves were leaking into the well and these valves also needed replacement. On October 19, 1989 at 09:45 hours the detector was declared back in service. As per Action Statement 110 of Technical Specification Table 3.3.7.10-1 two samples were analyzed prior to each liquid release.