



Figure 31. Test 6: Electrical power dissipated during a flash event.

The oscilloscope recording showed that some of the more active flash events had arcing waveforms up to **20** continuous cycle (**.05** seconds) with power peaks in the 3 to 6 kW range (Figure 31). The electrical energy dissipated in the event shown in Figure 31 was about 90 joules.

Examination of the bundles after the tests revealed the same type of as that found in Tests 1 and 2 but not to **as high an** extent, probably because these bundles were not tested as long (Figure 32).

The DC electrical conductivity of the **of** the lavatory waste water, the **1%** saline solution and distilled water were measured for comparison. The results are given in Table 6.

Table 6. DC conductivity of electrolytes and distilled water.

Liquid	Conductivity (mmho/m)
Used lavatory waste water	32
1% saline solution	40
Distilled water	1.6