

Analysis of EFCOG Electrical Safety Charts for September 2015

For webpage http://www.efcog.org/wg/esh_es/docs/DOE_Charts/elect_events_charts.htm

The DOE Total Electrical Events continues to have an increasing trend, with the past seven months above average. September did drop off somewhat compared to recent months, but still is an increasing trend. Electrical Near Misses (08J) is stable on its current. Electrical Shocks (08A) has been one standard deviation above average for the past three months. If October is similar, this will be an increasing trend.

The SC Office of Science Electrical charts returned close enough to baseline to end the increases seen in August. Charts will be evaluated to see if new baseline averages are needed.

The EM Total Events has returned to stable on the existing baseline, but is still running above average. A new chart baseline may be needed. EM Electrical Shocks (08A) has a new baseline average established that is more than twice as high as the previous baseline. EM Electrical Near Misses (08J) are currently stable.

The NA Total Electrical Events increasing trend has ended, with September returning to below the baseline average. The chart will be monitored to see if it needs a new baseline. Electrical Shocks (08A) increasing trend has ended, with the chart stabilizing at a higher level. A new baseline average, twice as high as the previous, has been established this month. The NA Electrical Near Misses (08J) is stable on its current baseline.

The current top three causes of electrical events (and their counts over the past 12 months) are as follows. The listing is the same top three as last month.

| | |
|--|---|
| A4B3C11 - Inadequate work package preparation | 4 |
| A4B3C08 - Job scoping did not identify special circumstances and/or conditions | 3 |
| A5B4C01 - Communication between work groups LTA | 3 |

Steven S Prevette

Fellow, American Society for Quality

Fluor Government Group

Savannah River Nuclear Solutions, Fluor B&W Portsmouth, Fluor Paducah

Steven.Prevette@srs.gov

Trending Home Page: http://www.efcog.org/wg/esh_es/Statistical_Process_Control/index.htm