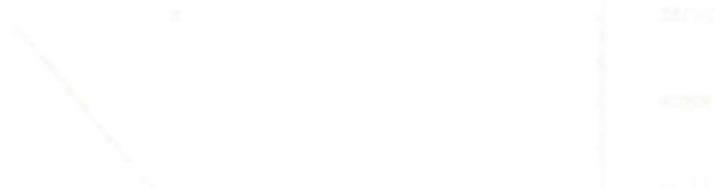


1000000  
100000  
10000

log<sub>10</sub> (x + 1) transformation

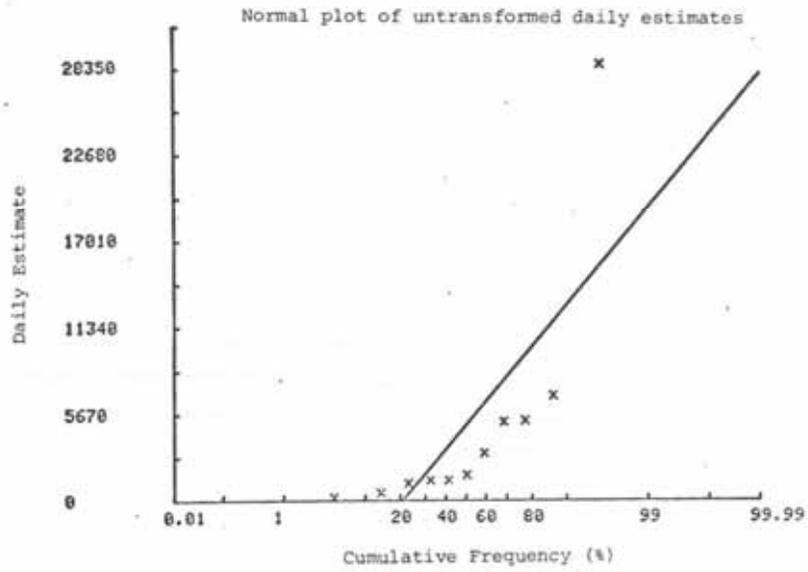


APPENDIX D

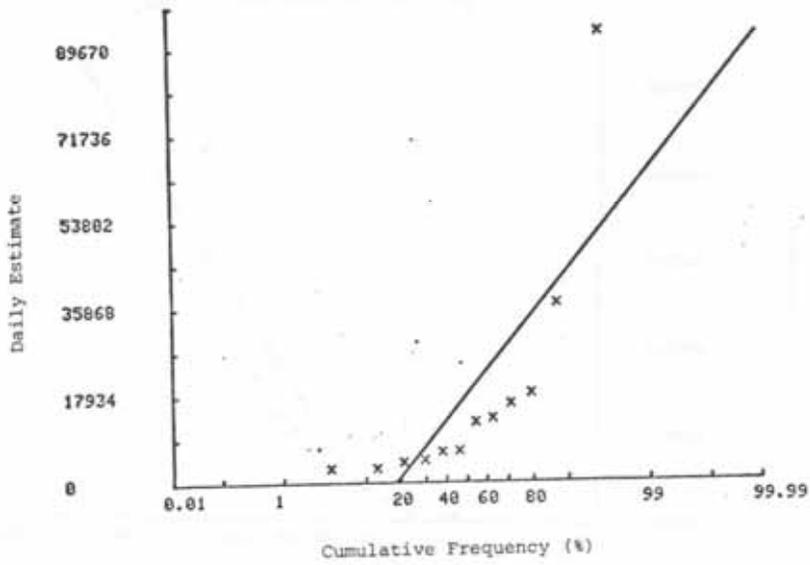
Examples of effect of  $\log_{10} (x + 1)$  transformation on the normality of estimates based on counts from Detroit Edison's daily impingement and entrainment data sheets. Plots computed by Tektronix 4051 graphic calculator.

normality plot for daily counts  
log<sub>10</sub> (x + 1) transformation

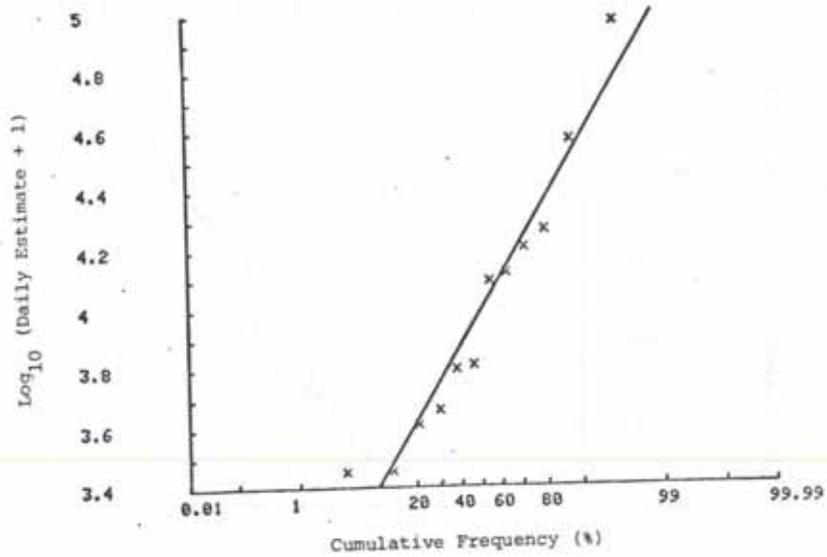




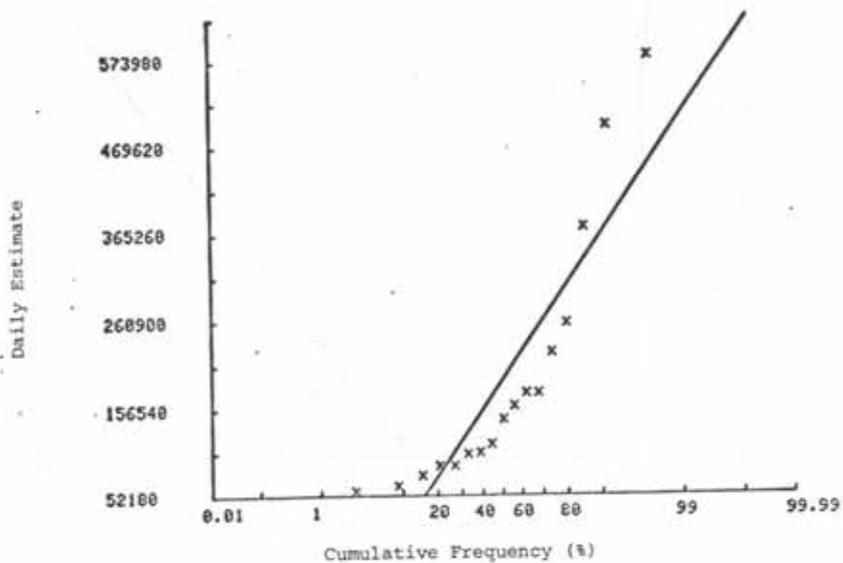
Normal plot of untransformed daily estimates



Normal plot of daily estimates transformed by  $\log_{10}(x + 1)$



Normal plot of daily estimates  
based on untransformed counts



Normal plot of daily estimates based  
on counts transformed by  $\log_{10}(x + 1)$

