

Appendix 11 H-1 A and B Factors that Define Intensity-Duration-Frequency (IDF) Values for Use only with the Critical Storm Determination Procedure

The rainfall IDF curves are described by the equation:

$$i = \frac{a}{b + t_c}$$

Where:

- i = Intensity, inches per hour (in/hr)
- t_c = Rainfall duration, minutes (min)

The a and b factors describing the 2, 10 and 100-year IDF curves are provided in Appendix 6B-2.

The a and b factors are not based on NOAA “Atlas 14” Rainfall Precipitation Frequency data and are therefore to be used only in conjunction with Equation 11.5 that estimates the “Critical Storm Duration” (T_d).