**Section 812.305 Foundation Analysis and Design**

a) The permit application shall contain a foundation study and analysis showing that the unit demonstrates compliance with 35 Ill. Adm. Code 811.304 and 811.305.

b) The study shall be performed by or under the supervision of a registered professional engineer.

c) The following information shall be included in the permit application:

1) Results of tests performed on foundation materials;

2) Estimated settlement of the unit;

3) Diagrams and cross sections of any proposed sub-base or foundation construction;

4) Specifications for soil to be used for foundation construction shall include, but not be limited to, soil classification, permeability, moisture content, moisture-density relationship, plasticity and strength; and

5) A construction quality assurance program for proper implementation of the foundation pursuant to 35 Ill. Adm. Code 811.Subpart E.