**Section 370.210 Engineering Report**

a) General

1) The engineering report assembles basic information; presents design criteria and assumptions; examines alternate projects including preliminary layouts and cost estimates; describes financing methods, user charges and operation and maintenance costs; reviews organizational and staffing requirements; offers a conclusion with a proposed project for client consideration; and outlines official actions and procedures to implement the project.

2) The concept, factual data and controlling assumptions and considerations for the functional planning of sewerage facilities are presented for each process unit and for the whole system. These data form the continuing technical basis for the detailed design and preparation of construction plans and specifications.

3) Architectural, structural, mechanical and electrical designs are usually excluded. Sketches may be used to aid in presentation of a project. Outline specifications of process units, special equipment, etc., may be included.

4) Engineering reports are not required for sewer extensions or sewer connections, but shall be required for the following projects:

A) New treatment plants.

B) Expansion or major modification of existing plants.

C) New collection systems.

D) Major upgrading of existing collection systems.

b) Content

The engineering report shall:

1) Prescribe design period and projected population.

2) Describe the specific service area for immediate consideration and indicate possible extensions and ultimate use.

3) Present data and information on anticipated quantities of flow and wastewater constituents. Data from comparable existing installations may be used to develop the design basis of the proposed facilities if data for the project under design cannot be obtained in accordance with procedures set forth in Subparts C, D and E of these standards.

4) Specify the scope and nature of collection system including pump stations and force mains for immediate and ultimate service areas.

5) Discuss various treatment alternatives with reference to optimum treatability and other relevant factors.

6) Develop a detailed basis of design for the recommended treatment process.

7) Indicate compliance with applicable effluent limitations and discuss the impact of the project on receiving waters.

8) Indicate compliance with the requirements of the Illinois Groundwater Protection Act [415 ILCS 55].

(Source: Amended at 21 Ill. Reg. 12444, effective August 28, 1997)