**Section 602.250 Treatment Construction Applications**

The following information must be submitted on plans for the construction of treatment facilities:

a) all appurtenances, specific structures, or equipment having any connection with the planned water treatment improvements;

b) detailed hydraulic profiles of water flowing through treatment systems;

c) schematic plumbing for all structures and equipment;

d) location of feeders, piping layout, and points of application;

e) locations of the sources of pollution listed in 35 Ill. Adm. Code 604.150(a);

f) for sites subject to flooding, the maximum flood level based upon the highest flood level specified in the best available information, such as the flood of record, the 100-year flood projection, or the 500-year flood projection;

g) security provisions; and

h) stability and corrosion control:

1) existing and proposed finished water quality, including:

A) Hardness;

B) Calcium;

C) Alkalinity;

D) pH;

E) Orthophosphate;

F) Silicate;

G) Total Dissolved Solids;

H) Oxidation-reduction potential (ORP);

I) Temperature;

J) Chloride;

K) Sulfate;

L) Iron;

M) Manganese;

N) Chlorine residual (total);

O) Chlorine residual (free); and

2) a recommendation of the treatment necessary to reduce corrosion in household plumbing.

(Source: Amended at 47 Ill. Reg. 7449, effective May 16, 2023)