



DEPARTMENT OF ADMINISTRATIVE SERVICES

I-20-04

March 13, 2020

Lucien DiMeo, Building Official
Town of Orange
617 Orange Center Road
Orange, CT 06477

Re: Interpretation of Residential Gas Furnace Condensate Neutralization Requirements

Mr. DiMeo,

You requested a formal interpretation regarding the applicability of Section 803.1 of the 2015 International Plumbing Code portion of the 2018 CT State Building Code to residential condensing gas furnaces. Section 803.1 States:

803.1 Neutralizing device required for corrosive wastes. Corrosive liquids, spent acids or other harmful chemicals that destroy or injure a drain, sewer, soil or waste pipe, or create noxious or toxic fumes or interfere with sewage treatment processes shall not be discharged into the plumbing system without being thoroughly diluted, neutralized or treated by passing through an approved dilution or neutralizing device. Such devices shall be automatically provided with a sufficient supply of diluting water or neutralizing medium so as to make the contents noninjurious before discharge into the drainage system. The nature of the corrosive or harmful waste and the method of its treatment or dilution shall be approved prior to installation.

Question 1:

The 2015 IRC does not appear to contain a requirement similar to 2015 IPC section 803.1. Are these condensate neutralizing requirements applicable to a condensing gas furnace condensate regulated under the IRC?

Answer 1:

Yes, it is the intent of the Code that all acidic condensate waste be neutralized so that such discharges comply with the Public Health Code and DEEP Regulations which do not allow the discharge of untreated acid waste.

Sincerely,

A handwritten signature in blue ink, appearing to read "JCassidy", is written over a faint blue circular stamp.

Joseph V. Cassidy, P.E.
State Building Inspector

Cc: Darren Hobbs, Deputy State Building Inspector