



Manufactured Building

Wayne Goodwin | Commissioner of Insurance
Tim Bradley | Assistant State Fire Marshal

MEMORANDUM

DATE: April 20, 2012 (Updates June 10, 2009 memo)

TO: Building Inspectors, Third Party Agencies, Manufacturers and Other Interested Parties

FROM: Joseph H. Sadler, Jr., P.E.
Deputy Director - Manufactured Building Division

RE: Corrosion Resistance, Chapter 46
NC Residential Code, 2012 Edition

Several questions have arisen concerning **Table 4605.5, Corrosion Resistance**, in the *NC Residential Code, 2012 Edition*. Although **Sections 4601** and **4605.1** define the scope of **Chapter 46** requirements as applicable to coastal high hazard areas, ocean hazard areas, *and all areas designated as a 130 MPH wind zone*, the latter is not necessarily associated with **Table 4605.5**. A coastal high hazard area or ocean hazard area may occur in lower wind zones, and it is possible (though not likely) to have an area in a 130 mph wind zone that is not one of these hazard areas. *Coastal high hazard areas* are shown as VE Zones on Flood Insurance Rate Maps (FIRMs) produced by the Federal Emergency Management Agency (FEMA) and may be viewed at www.msc.fema.gov. For information about FIRMs contact the FEMA Map Assistance Center toll free at 877-336-2627 or North Carolina Emergency Management at 919-715-8000. For information about specific sites, *contact the local building inspector* and request a determination for the specific location where the modular home is to be installed. The requirements of **Table 4605.5** will only be applicable in areas defined as *coastal high hazard* by the Federal Emergency Management Agency or *ocean hazard* by North Carolina Division of Coastal Management.

Ocean Hazard Areas are defined in Subchapter 7H – State Guidelines for Areas of Environmental Concern, Section .0300 Ocean Hazard Areas, and include:

1. Ocean Erodible Area as determined by NCDENR-DCM
2. High Hazard Flood Area as identified by FEMA and shown as VE Zones on FIRMs
3. Inlet Hazard Area as determined by NCDENR-DCM
4. Unvegetated Beach Area as determined by NCDENR-DCM

cc: Philip S. Letsinger, AIA, AICP, CFM -- NC Emergency Management
C. Patrick Walker, P.E. -- Technical Services Manager