



PHILIP D. MURPHY
Governor

State of New Jersey
DEPARTMENT OF COMMUNITY AFFAIRS
101 SOUTH BROAD STREET
PO Box 802
TRENTON, NJ 08625-0802



LT. GOVERNOR SHEILA Y. OLIVER
Commissioner

BULLETIN 93-3

Issued: December 1993
Revised: June 2008
Code Ref. Update: January 2016

Subject: Cathodic Protection of Gas Piping

Reference: N.J.A.C. 5:23-3.22, Fuel Gas Subcode, Section 404; N.J.A.C. 5:23-3.21, One- and Two-Family Dwelling Subcode, Section G2415

Underground natural gas systems that use steel, cast iron, ductile iron, copper, or aluminum tubing or piping are subject to external corrosion. External corrosion can slowly turn what was once a safe, pressure-tested, leak-proof, natural-gas piping system into a leaking, life- and property-threatening hazard.

All piping beyond the outlet of the natural gas meter comes under the jurisdiction of the Uniform Construction Code. Underground piping systems and their protection from corrosion is addressed under Section 404.11 of the Fuel Gas Subcode and Section G2415.11.2 of the One- and Two-Family Dwelling Subcode, as applicable; however, the code provisions are not very specific on how corrosion protection is provided. Rather, the code simply states that the piping be protected in an approved manner.

This bulletin provides the methods to protect underground natural gas piping systems either through cathodic protection methods or the use of alternative materials, such as plastic pipe or tubing. Therefore, the Department of Community Affairs is recommending that the attached details be followed to ensure adequate corrosion protection is provided to underground piping systems.

