



THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
PITTSBURGH SECTION

AND

THE AMERICAN SOCIETY OF CIVIL ENGINEERS PITTSBURGH SECTION
ENVIRONMENTAL & WATER RESOURCES INSTITUTE

TECHNICAL PROGRAM & DINNER

PE-101, A Primer on Polyethylene Pipe for Water & Natural Gas Distribution Systems

Dr. Eugene F. Palermo, PhD, will present an overview of the materials, new developments and successful application of high-density polyethylene pipe (HDPE), specifically for this nation's critical natural gas and water distribution systems. Special emphasis will be placed on new material developments including bimodal PE materials that have greatly enhanced HDPE's service life (> 100 years) and resistance to slow crack growth. These developments are now prompting significant usage of much larger diameter HDPE pipe, especially in the water market.

With all the recent news about costly and highly disruptive water main breaks in the Pittsburgh region, come and learn more about an alternative pipe material that is light weight, will not corrode, is leak-free, highly resistant to earth movement and thermal expansion/contraction, least expensive to install and certified safe by the National Sanitation Foundation.

Dr. Palermo has devoted his entire career to the development of plastic materials for piping applications. He is currently the President of Palermo Plastic Pipe Consultants, Inc, former Technical Director of the Plastic Pipe Institute and Chairman of the Hydrostatic Stress Board of PPI, former chief polyethylene scientist for the DuPont Corp., with 30+ years experience in the development and application of PE materials and specifically HDPE and other specialty plastic pipe materials. He is active in the major technical societies including ASTM, ISO, AGA and PPI. He has "Chaired" several international plastic pipe conferences. Dr. Palermo, "Gene" to his colleagues, has received numerous awards and is internationally recognized for his significant contributions to safer, more reliable underground piping systems worldwide.

DATE: TUESDAY, FEBRUARY 13, 2007

**LOCATION: ENGINEER'S SOCIETY OF WESTERN PENNSYLVANIA,
337 FOURTH AVE, PITTSBURGH PA 15222 (412.261.0710)**

**TIME: 5:30 PM – REGISTRATION, SOCIAL AND CASH BAR
6:30 PM – DINNER (OPTIONAL)
7:30 PM – PROGRAM**

COST: DINNER - \$25 (ESWP DELUXE BUFFET) (Pay At Door)

**PROGRAM – NO COST BUT RESERVATIONS REQUESTED TO
INSURE ADEQUATE SEATING.**

RESERVATIONS: DINNER OR PROGRAM:

PLEASE CALL: RICHARD HORNE 412.521.4660

OR DICK CONLEY 412.521.5941

DEADLINE: FEBRUARY 8, 2007