MANDATORY APPENDIX XXVI
RULES FOR CONSTRUCTION OF CLASS 3 BURIED POLYETHYLENE PRESSURE PIPING

ARTICLE XXVI-1000
GENERAL REQUIREMENTS

XXVI-1100 SCOPE
(a) This Appendix contains rules for the construction of Class 3 polyethylene pressure piping systems. The scope is limited to buried portions of Class 3 service water or buried portions of Class 3 cooling water systems, consisting of PE4710 High Density Polyethylene (HDPE) materials at maximum Design and Service Levels A, B, and C temperatures of 140°F (60°C), and a maximum temperature of 176°F (80°C) for Service Level D, with temperatures not exceeding those for which allowable stresses are provided in this Appendix.

(b) Terms relating to polyethylene as used in this Appendix are defined in Article XXVI-9000.

(c) All applicable requirements of Subsection ND shall be met unless modified by this Appendix.

XXVI-1200 QUALIFICATION OF POLYETHYLENE MATERIAL ORGANIZATIONS
The polyethylene material shall be procured in accordance with the requirements of NCA-3970 and this Appendix.

XXVI-1300 CERTIFICATE HOLDER RESPONSIBILITIES
(a) The Certificate Holder shall comply with the requirements of NCA-3970.

(b) The responsible Certificate Holder shall assure that the material complies with the Design Specification and this Appendix.

(c) A Certificate Holder may furnish material when stated in the scope of his certificate. In this case, a Quality System Certificate is not required, nor is the user of the material required to survey, qualify, or audit such a Certificate Holder.

(d) The Certificate Holder shall be responsible for surveying, qualification, and auditing of the Polyethylene Material Organization in accordance with NCA-3970.

(e) The survey and audit of the Polyethylene Material Organization shall establish that the Quality System Program conforms to the Certificate Holder’s quality program requirements.

(f) Satisfactory completion of the survey and audit shall allow the Polyethylene Material Organization to supply material to the Certificate Holder for a period of 3 yr. After the 3-yr period, an audit shall be performed to ensure continued program maintenance.

(g) The Certificate Holder shall perform any of the functions specified by his respective Quality Assurance Program that are not performed by the Polyethylene Material Organization. It may elect to perform any other quality program functions, which would normally be the responsibility of the Polyethylene Material Organization. These functions shall be clearly defined in the Certificate Holder’s Quality Assurance Program.

(h) The Certificate Holder shall make all necessary provisions so that his Authorized Inspection Agency can perform the inspections necessary to comply with this Appendix.

(i) In accordance with NCA-8120(b), a Certificate of Authorization may be issued by the Society to an organization certifying joining by fusing in accordance with this Appendix.