

Actions for the Addition of Non- Metals to ASME

Section XI Related Activities

Working Group Non-Metals

- Charter--Develop ASME Section XI Repair/Replacement rules for Non-Metals.
 - The working group is new, having its charter approved in May 2012
 - Reports to the Subgroup Repair Replacement Activities (SGRRA)
 - Has been approved to have two task groups reporting to it

Task Group HDPE Repair/Replacement

- Develop Repair/Replacement rules for application of Code Case N-755-2 in operating nuclear plants by:
 - 1) consolidating into Code Case N-808 provisions for Owners' application of HDPE Piping previously contained in Code Case N-755-1;
 - 2) build upon existing provisions to develop reasonable requirements to facilitate regulatory acceptance of Code Case N-755 as supplemented by N-808 for application under ASME Section XI; and
 - 3) develop repair methodologies to mitigate inservice damage to HDPE.

Task Group HDPE Repair/Replacement

- Initial duration of the TG HDPE R/R is expected be around 2 years, but shall track equivalent work in Section III

Task Group on Repair By Carbon Fiber Composites

- Charter-- Develop Repair/Replacement rules for application of Carbon Fiber Composites for ASME Section XI Repair of degraded ASME Nuclear Class 2 and Class 3 piping using Carbon Fiber Composites.
 - Immediate action is to address issues the NRC had on Case N-589, Cured in Place Piping. This case was approved in 1998 (Supplement 9) but was never approved for use by the NRC (included in Reg. Guide 1.193 since issue)
 - Duration of the TGCFP is 3 years