

STP Exemption Request
Request for Additional Information RAI C-1
March 25, 2022

DRAFT

Discuss how the results of the helium leakage testing completed after the weld repair on MPC 248 demonstrate that the MPC meets the required leakage acceptance criteria.

Enclosure 1 of the letter from South Texas Project Nuclear Operating Company, dated March 11, 2022, (NOC-AE-22003877) states the following (on page 1):

Following completion of the weld repair, MPC 248 successfully passed a helium leakage test during factory acceptance testing as well as a hydrostatic test performed at STPEGS during loading operations.

The statement above suggests that the containment boundary for the MPC in question was demonstrated as “leaktight” for purposes of the confinement review (assuming that fabrication leakage test was conducted in accordance with the SAR for this system); additionally, the applicant asserted that confinement has been maintained for this MPC following the weld repair. Staff review of the results of the leak testing of MPC 248 may provide reasonable assurance that confinement has been maintained for this MPC.

This information is needed to determine compliance with 10 CFR 72.236 (d) and (e).