



HIGHLANDER

ENGINEERING SERVICES, PLLC

*Design & Construction
Engineering Solutions*



Cone Failed from Buckling, Cracking, & Corrosion

Atmospheric storage tank with equipment on top weighing approximately 500 tons failed in the transition cone between 21' diameter section and 40' diameter section for approximately 60 degrees of the circumference.

Temporary repair was designed which permitted lower tank to remain in operation and stabilize the upper section until replacement section could be installed during the next major outage.



Stiffened Transition Cone with Patch

Design services included site evaluation, site engineering of repair, working on-site with contractor to facilitate installation, and permanent repair recommendations.

Emergency Tank Repair Engineering

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