

Athlon Bayport, TX	Date: 10/29/19 Revision: A MOC #:	Created By: CJM Checked By: 0
PSV INFORMATION		
PSV Number:	PSV-XX2	Manufacturer: Emerson Crosby
Protected Equipment #:	E-778 Shell Side	Model Number: JOS-H-E
Equipment Description:	E-778 Shell	Connection Type: RF Flanged
Equipment MAWP:	165 psig	Orifice Area: 0.221 sq in
P & ID #:	SK-19282010-001 Rev.A	Set Pressure: 165.0 psig
Relief Valve Size:	1" E 2"	Valve Type: Conventional
Sizing Cases		
Applicable?		
Yes or No	Scenario	
Yes	<u>01: Closed Outlet on Vessels</u> A blocked in exchanger (E-778) via HV-1598 and TV1534E would result in an overpressure in the E-778 shell side due to liquid expansion during a fire.	
	<u>02: Cooling-water Failure</u>	
	<u>03: Top-tower Reflux Failure</u>	
	<u>04: Sidestream Reflux Failure</u>	
	<u>05: Lean-oil Failure to Absorber</u>	
	<u>06: Accumulation of Noncondensables</u>	
	<u>07: Entrance of Highly Volatile Material</u>	
	<u>08: Overfilling Storage or Surge Vessel</u>	
	<u>09: Failure of Automatic Control</u>	
	<u>10: Abnormal Heat or Vapor Input</u>	
	<u>11: Split Exchanger Tube</u>	
	<u>12: Internal Explosions</u>	
	<u>13: Chemical Reaction</u>	
	<u>14: Hydraulic Expansion</u>	
Yes	<u>15: Exterior Fire</u> See Scenario 01 for further details.	
	<u>16: Power Failure (steam, electric, air, or other)</u>	

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	<u>17: Inadvertent Valve Operation</u>	
	<u>18: Other</u>	
Notes and Recommendations		
ReCon Engineering, Management, & Inspection document		
Rev 1.29.1		