

3.8 Pipe Break Hazards**1.0 Description**

Plant features provide the capability to shut the plant down in the event of a pipe break.

2.0 Design Features

A pipe break hazards analysis summary exists that concludes the plant can be shut down safely and maintained in cold safe shutdown following a pipe break with loss of offsite power.

3.0 Inspections, Tests, Analyses, and Acceptance Criteria

Table 3.8-1 lists the piping hazards analysis ITAAC.

Table 3.8-1—Piping Hazard Analysis ITAAC

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
1.0	<p>A pipe break hazards analyses summary exists that concludes the plant can be shut down safely and maintained in cold safe shutdown following a pipe break with loss of offsite power.</p>	<p>a. A pipe break hazards analysis will be performed. {{DAC}}</p> <p>b. Inspections of as-built features for protection against pipe break will be performed. Analyses will be performed to reconcile deviations with the as-designed pipe break hazards analysis.</p>	<p>a. A pipe break hazards analyses summary exists that concludes the plant can be shut down safely and maintained in cold safe shutdown following a pipe break with loss of offsite power and confirms whether:</p> <ul style="list-style-type: none"> - Piping stresses in the RCB penetration area are within allowable stress limits. - Pipe whip restraints and jet shield designs can mitigate pipe break loads. - Loads on safety-related SSCs are within design load limits. - SSCs are protected or qualified to withstand the environmental effects of postulated failures. <p>{{DAC}}</p> <p>b. Reconciliation of deviations to the as-designed pipe break hazards analysis have been performed and conclude that the plant can be shut down safely and maintained in cold safe shutdown following a pipe break with loss of offsite power.</p>