

Notes:

1. Settlement details not available, hence not considered in analysis.
2. Seismic considered as per existing stress report
3. Equipment details and Displacements considered as per existing stress report
4. Insulation details considered as per site photographs.
5. Support locations considered as per site survey iso mark-ups
6. Slug force details considered as per process engineering inputs (for 18" lines).
7. Air cooler outlet pipe loop updated as per site photo and latest isometrics.
8. Air cooler outlet nozzle loads (4") are qualified, taking calculated nozzle loads of existing piping arrangements as baseline.
9. Refer restraint summary report for loads and displacements.
10. Modify pipe supports as recommended.

