

GP 03-09-01	Winterizing and Protection Against Ambient Temperatures	August 2003
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Winterizing and Protection Against Ambient Temperatures

GP 03-09-01

Scope

- 1) [I] This Global Practice (GP) covers the protection of equipment, piping and instruments against the effects of ambient temperature. Such effects include hydrate formation, condensation, viscosity change, pour point suppression and icing.
Fire water systems are excluded.
 - 2) [I] An asterisk (*) indicates that a decision by the Owner's Engineer is required, that additional information is to be furnished by the Owner's Engineer, or that information for Owner's Engineer approval is to be supplied by Vendor or Contractor.
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1. Required References

[I] This Section lists Practices and Standards that are generically referenced and assumed to be a part of this document. Unless otherwise specified herein, use the latest edition.

1.1. Global Practices–ExxonMobil Engineering Practices

GP 03-02-04	Pressure Relieving Systems
GP 04-03-03	Shelters for Process Analyzers
GP 17-03-01	Emergency Shower and Eyewash Facilities

2. Definitions

- 1) [I] Winterizing and protecting against ambient temperatures is the utilization of any of the following procedures to mitigate the adverse consequences of low temperature conditions:
 - a) Protective external heating by: steam, electric or hot water tracing; steam, hot water or hot oil jacketing
 - b) Application of insulation
 - c) Elimination of dormant sections of piping
 - d) Maintaining a partial flow in dormant sections of piping
 - e) Draining and flushing
 - f) Agitation
 - g) Providing suitable housing
 - h) Anti-freeze solutions
- 2) [I] Climatic zone classifications shall be specified. These are defined in Table 1 of this Practice.

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