

Industrial Weather Planning Guide



Refinery & Petrochemical Projects

Industrial weather planning guide created for industrial project managers, site managers, safety leaders, and maintenance teams using temporary structures and clear span buildings. It is designed to support practical decision-making during refinery turnarounds, petrochemical maintenance, contractor staging, warehouse overflow, equipment storage, and workforce support planning. Use this guide to align site conditions, operational needs, and weather-related considerations before installation and throughout the project.

Project Planning Scorecard

- Structure purpose clearly defined
- Site location selected and reviewed
- Drainage and anchoring conditions evaluated
- Forklift and vehicle access planned
- Utility requirements identified
- HVAC requirements reviewed
- Material staging areas identified
- Safety and emergency procedures documented
- Weather monitoring responsibility assigned
- Project stakeholders aligned

Readiness Score

8-10 checked: Strong readiness

5-7 checked: Additional planning recommended

0-4 checked: High risk for weather-related disruptions



Weather Risk Assessment Matrix

Weather Factor	Considerations
Wind	Review anchoring, door orientation, and exposed equipment
Rain	Evaluate drainage, access routes, and material protection
Lightning	Establish stop-work and communication procedures
Heat & Humidity	Consider climate control and workforce support spaces
Cold Weather	Review heating, condensation management, and material storage requirements

Questions to Ask Before Installation

- What weather conditions are most likely during the project?
- How will crews respond to severe weather alerts?
- Is the structure positioned for efficient workflow?
- Can the structure support future project expansion?
- Have site-specific hazards been identified?

✓ Industrial Temporary Structure Planning Checklist

- Engineered structure requirements reviewed
- Code compliance requirements confirmed
- TWIC/HASC-certified crew requirements reviewed
- Contractor staging requirements identified
- Warehouse overflow needs evaluated
- Equipment storage requirements documented
- Climate control strategy established
- Emergency communication plan documented
- Daily weather review process established
- Contingency plan for severe weather completed

Need Help Planning Your Project?

Contact one of our temporary structure specialists today. Call us at [713-979-9597](tel:713-979-9597)

