

HIGH WIND ACTION PLAN:

A High Wind Action Plan (HWAP) ensures that all structures included in the scope remain safe during all wind conditions. The HWAP provides methods for ensuring safety during periods of operation of the assembly when wind speeds are escalating.

HWAP Training:

The User shall ensure that training is provided for all HWAP Team personnel. Requirements for training shall include the following:

1. Written records of training shall be retained on site and in the production manager's offices.
2. The User shall designate a competent person to serve as HWAP Team Leader.
3. A mobilization meeting shall be held to identify detailed responsibilities for onsite HWAP personnel.
4. The HWAP Team Leader shall have authority to implement the HWAP under whatever circumstances and/or whenever he or she feels it is appropriate.

High Wind Action Plan:

1. The HWAP shall govern the operations of the temporary assembly through its use period.
2. The HWAP must be available at all times to all personnel, including HWAP Team members, other technicians, venue operators, and authority having jurisdiction. It shall be posted in conspicuous areas on site and must be protected from weather.
3. Wind Monitoring: Active on-site wind speed monitoring shall be maintained for the entire period is assembled. No one shall be allowed access to the vicinity of the structure unless there is active on-site wind monitoring.
 - a. Wind Speed Monitoring: Weather stations with anemometers shall be used on site to monitor wind, placed at an elevation within 5' of the highest elevation of the inflatable. Wind speed monitoring shall be recorded on site at regular intervals and at the time of a significant environmental event.

Suggested devices: The following suppliers offer a variety of portable weather stations which include an anemometer. This type of devices provides a great deal of weather related information including both wind speed and wind gust data.

- Ambient Weather (<http://www.ambientweather.com/west/html>)
- La Crosse Technology (<http://www.lacrosse-psmall.com/home-weather-stations.html>)
- Oregon Scientific (<http://us.oregonscientific.com/cat-Weather-sub-Professional-Weather-Stations.html>)

- b. Local Weather Information Monitoring: The HWAP Team shall maintain a regular liaison with an official weather information service to ascertain if any significant wind events are expected on site. This liaison is real-time monitoring with a local commercial or governmental weather service.
4. Actions to be taken based on wind speeds measured on site or reported by weather information service:
 - a. If wind is forecast to exceed the following:
 - **35 mph 3-second** gust,
 - **or 28.8 mph 1 minute** average,
 - **or 24.6 mph 10 minute** average.

Unzip and deflate the structure, make sure the inflatable will not turn into a sail during high wind, possibly pack up the inflatable. This shall be performed well in advance of the strong winds arriving at the site in order to allow workers and/or machinery to perform the dismantling work under safe conditions.
 - b. When wind gusts measured or reported reach or exceed the following:
 - **30 mph 3-second** gust,
 - **or 24.7 mph 1 minute** average
 - **or 21.1 mph 10 minute** average.

Mobilize the HWAP Team and have sufficient trained personnel in place and on standby. The team bus be assembled within 5 minutes of alert and will remain on alert until wind speeds remain below 20 mph for at least 30 minutes, or after the weather event has ended.
 - c. When wind gusts measured or reported reach or exceed the following:
 - **35 mph 3-second** gust,
 - **or 28.8 mph 1 minute** average,
 - **or 24.6 mph 10 minute** average.

Unzip and deflate the dome structure, make sure the inflatable will not turn into a sail during high wind, possibly pack up the inflatable.
 - d. When wind gusts measured or reported have decreased to the following:
 - **20 mph 3-second** gust,
 - **or 16.5 mph 1 minute** average,
 - **or 14 mph 10 minute** average.

The dome may be inflated.