

HIGH WIND ACTION PLAN

(HWAP)

(Ver 2.0 Amended Jan-2017)

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1.0 Introduction

The purpose of this document is to outline procedures and responsibilities regarding temporary outdoor stages used in conjunction with performances, presentations or events. As these temporary events take place outdoors, they are susceptible to inclement weather, and poor conditions that can prove to be very hazardous to all involved. As an outdoor event, temporary demountable structures are used. These are particular cause for consideration in inclement weather.

Reference to “stages” means stages or raised platforms and any associated overhead structures. Stages governed by this policy are outside of permanent buildings and are standalone structures that consist of a raised area used for the presentation of music, plays or other entertainment; reviewing stands for dignitaries; religious ceremonies; and similar purposes.

1.2 Objective

The Objectives of this plan are to ensure that adverse weather is dealt with appropriately and that any injuries or accidents caused by inclement conditions are avoided. The priority is to ensure the safety of all persons on the site at the time of hazardous conditions and to ensure that no damage is done to property of site or in the surrounding area due to large debris from the event caused by strong winds etc.

2.0 Responsibilities

Prior to each installation, the venue/stage owner shall designate a responsible person in charge of implementing all phases of the High Wind Action Plan.

2.1 Time frame

The HWAP shall govern operating conditions during a time period that shall commence at the beginning of pre-event operations and shall continue to such time when all personnel and equipment have been removed from the venue at the close of the specific event.

2.2 Posting

The HWAP shall be posted at a conspicuous area on site. It must be available at all times to venue operators and crew.

2.3 Implementation

A meeting shall be held at the venue with the promoter, owner, stage manager and production crew to discuss the high wind action plan and other operational items.

A copy of this plan will also be provided to local police or fire departments in order to help usher patrons in the event of an evacuation.

2.4 Cancellation

The method of initiating event cancellation must be outlined explicitly prior to the event allowing for immediate action if necessary.

3.0 Forecasting

The HWAP Crew will be responsible for monitoring the weather forecast 10 days prior to and during the event.

3.1 Weather Forecasting

The National Weather Service (<https://www.weather.gov/>) and the National Oceanic and Atmospheric Administration (<https://www.noaa.gov/weather>) will be used to forecast the weather conditions on the day of the event and for all pre- event operations.

3.2 Wind Forecasting

Wind Alert (<https://www.windalert.com>) and Windfinder (<https://www.windfinder.com>) will be used to forecast wind conditions on the day of the event and for all pre- event operations.

3.3 Inclement Weather

Should inclement weather or high winds be forecast for the event dates then appropriate action will be taken in order to prepare the site and the Event Coordinators will insure that the Staging and Production Company are aware and Emergency plan provisions are put into place. Should inclement weather be forecast for a time period before the event then all on site staff will be informed and work will be altered or cancelled accordingly.

Should the conditions on site become inclement without warning then the appropriate action will be taken as listed below for each condition.

4.0 Monitoring

Active on site wind monitoring shall be maintained for the duration of the main stage roof system erection. Real Time means will be implemented to monitor weather and wind conditions and alert the HWAP Crew in the event of impending inclement weather.

4.1 Weather Monitoring

The National Weather Service (<https://www.weather.gov/>) and the National Oceanic and Atmospheric Administration (<https://www.noaa.gov/weather>) will be used to monitor the weather.

4.2 Wind Monitoring

Wind Alert (<https://www.windalert.com>) and Windfinder (<https://www.windfinder.com>) will be used to monitor real time wind conditions.

4.3 Real Time wind alerts

Wind Alert (<https://www.windalert.com>) and Windfinder (<https://www.windfinder.com>) will be used to monitor real time wind conditions and alert the HWAP Crew in the event Wind speeds reach 15 Mph.

4.4 Real Time Monitoring

In the event that the Forecast predict Inclement Weather, Rain or Winds in excess of 15 mph on the day of the event or for a time period prior to the event, Real Time monitoring of Wind and Weather conditions will be implemented.

An anemometer placed at the top of structure will be used to monitor real time wind speeds and alert the HWAP crew if wind conditions reach 15mph.

5.0 Action Plan

Noted winds speeds are 3 second gusts in accordance with ASCE 7.

ACTION PLAN

15 MPH

- MOBILIZE THE HWAP CREW AND HAVE THE NECESSARY PERSONNEL IN PLACE.

20 MPH

- ALL SCRIM AND BANNERS SHALL BE LOWERED, REMOVED OR DISCONNECTED AS TO ALLOW IT TO HANG UNRESTRICTED.
- LOWER, REMOVE OR DISCONNECT WALL PANELS TO REDUCE WIND LOAD ON THE STRUCTURE AND ALLOW THE WALLS PANELS TO HANG UNRESTRICTED.
- SPEAKER CLUSTERS SHALL BE LOWERED TO THE GROUND AND SECURED

25 MPH

- LOWER THE ROOF FROM THE GROUND BY MEANS OF REMOTELY ACTIVATED EQUIPMENT SUCH AS MOTORS OR MECHANICAL MEANS.
- EVACUATE ALL AUDIENCE MEMBERS AND CREW FROM THE IMMEDIATE VICINITY OF THE MAIN STAGE ROOF SYSTEM EXCEPT HWAP CREW PERSONNEL.
- EVENT OPERATIONS SHALL CEASE

30 MPH

- CEASE ALL SHOW OPERATIONS.
- EVACUATE THE IMMEDIATE AREA.
- ALL PERSONNEL SHOULD MAINTAIN SAFE DISTANCE OF AT LEAST 200' FROM THE ROOF SYSTEM.

40 MPH

- CEASE ALL OPERATIONS.
- EVACUATE THE IMMEDIATE AREA.