



**SITE SPECIFIC SAFETY PLAN**  
**Live Demo Exhibit NDA 2020**  
**Austin, TX**

## **1.0 EXHIBIT SAFETY**

The NDA is committed to providing a safe and healthy exhibit for every person in attendance. By planning an efficient and safe event all those who attend will benefit from a safe environment.

Prevention of accidents is the key to any safety plan and everybody must work with this in mind. It takes everybody's cooperation and alertness to assure the live demonstration will result with no accidents, incidents and most important no injuries. It is our ultimate goal to accomplish a live demonstration in the safest possible manner and therefore the safety policies will apply to everyone entering the site.

We have procedures and guidelines to achieve a safe event and have put our Convention Committee and all members in charge of assuring a safe site. All attendees at this exhibit should immediately notify their nearest vendor/committee member if they are not familiar with our procedures and guidelines and if at any time, they feel unsafe, recognize an issue or simply would like additional information or instructions.

Although the NDA strives to assure a safe environment it is still everyone's responsibility to act in a safe manner and help support the guidelines that are in place for everyone's safety. If you have not been provided an introduction to the procedures required on site, feel additional explanations are needed or have not been provided Personal Protective Equipment (PPE) for your time at the live event you must see a committee member so all these can be rectified. We count on each and everyone's awareness to look out for themselves and everyone around them.

## **2.0. ACCIDENT PREVENTION PLAN**

### **2.1 PREVENTION**

The NDA support staff will be responsible for reviewing the Safety Program with all attendees, in addition every vendor will provide additional safety information for use or demonstration of its equipment and tools. It will be imperative that all attendees follow the safety rules that are in place, and just as important, be aware of all barriers and signs that indicate a safe environment as well as areas of potential hazards. All instructions must be followed.

Attendees will be in an event area where live equipment is being used. To assure the safest conditions all equipment has been designated to perform in a specific area and has been provided safe distances for operations. These safe areas are for the operation of the equipment and must not be entered into at any time without the express consent of the vendor managing the equipment and or if accompanied by a committee member.

### **2.2 NDA CONVENTION COMMITTEE**

1. The NDA Committee has arranged the site and layout so the exhibit can proceed in a safe manner.
2. The Committee will conduct safety meetings with all attendees and vendors.
3. All those who enter the site will be provided information on how to recognize a committee member and be provided emergency contact numbers.

## Site Specific Plan

4. The Committee has established assembly areas, walking locations and paths as well as working areas for all equipment and tools and has designated each area with safety requirements. These will include:
  - Safety Fencing
  - Barriers
  - Signage
  - Verbal instructions
5. All restrictions must be followed as well as all signage

## 2.3 PLANNING

Items to consider while at the live demonstration include but are not limited to:

### **Site Hazards**

- a. Vehicle Traffic
- b. Access on/off the demonstration site.
- c. Uneven surfaces
- d. Flying debris.
- e. Moving equipment
- f. Other pedestrians

### **Access and Movements**

- a. Attendees should follow the general paths provided and not stray outside of areas designated as part of the live demonstration
- b. Attendees should use walkways, stairs and ramps as provided
- c. Attendees **SHOULD NOT ENTER** any area where equipment is operating unless provided specific permission by a vendor and or a committee member.
- d. Attendees should be aware and follow all warnings provided on signage placed throughout the event
- e. Attendees should be aware that vehicles such as cars and buses will be accessing the site for movement of others and should yield to any moving vehicles as well as minimize the use of traffic roads for access.

### **Workers and Attendees- Safety Needs**

- a. Safety equipment will be provided to all those in attendance
- b. Safety equipment (PPE) shall consist of Hard Hat, High Visibility Vest, Safety Glasses and Ear Protection.
- c. All PPE will be worn at any time when outside a designated safe area. Only where it is noted as a safe location may PPE be removed.
- d. Instructions will be provided on how to wear the provided PPE. Any items that do not properly work should be replaced immediately by contacting a committee member.
- e. An emergency medical technician and first aid station is provided at the main staging area of the event and will be located at the NDA Booth.
- f. In case of an Emergency or ANY accident, no matter what size, contact with a Convention Committee Member is required.
- g. Call 911 for any immediate emergency

## Site Specific Plan

### Material Handling and Equipment Staging Area

- a. Equipment has been staged in designated spaces to avoid crowding and minimize the number of hazards in any area.
- b. Equipment used in most cases have a specific turning and swing radius which results in a safe zone around the entire piece of equipment. Attendees **MUST NOT** enter or be located in the radius zone of any equipment.
- c. Processing Equipment will move material after preparation which will be conveyed at a high speed to a location outside of the equipment. Attendees **MUST NOT** enter or be located in the material drop zone of this equipment.
- d. Only specific users and or operators of the equipment should be at or on the equipment at any given time.
- e. Hand tools for use of breaking or material processing create a radius area of potential flying debris. This area has been designed and designated for each piece being demonstrated and attendees should remain outside of the noted safe line or demarcation unless invited or provided clearance by the subject vendor.
- f. While located in any designated equipment staging area for observation or use, attendees will be required to maintain their use of the provided PPE consisting of Hard Hat, Safety Glasses, High Visibility Vest and Hearing Protection.
- g. Signs and barriers will be put in place for each location and attendees should follow provided instructions and not pass through the subject barriers without specific authorization.
- h. Vendors will provide trained and certified equipment operators for all pieces of equipment on display. Attendees should not handle or operate any equipment that does not have an operator or attendee for any equipment or tools.

### Vehicle Movement

- a. Busses and regular motor vehicles will be on site throughout the event. Attendees should be aware of their surrounding and yield to all moving vehicles.
- b. Busses will transport attendees to and from the site during the course of the event. Attendees should only board and exit these buses at the designated loading zone.
- c. If attendees are using their own vehicle, they should park in designated locations only.
- d. Follow all posted signs for parking and yield to all pedestrian crossings
- e. Heavy equipment utilizes back-up and movement alarms. Attendees should be aware of this alarm and check their surrounding area for any potential hazards when heard.

### Tools and Equipment

- a. Vendors will assure all equipment is in proper working condition
- b. Any tools or equipment not specifically noted for use by a vendor should not be used or operated by attendees.
- c. Any concerns or noted defect on tools or equipment should be communicated to a vendor or committee member immediately and should not be used.

### Public Protection

- a. Temp Fencing will be put in place and should not be moved or adjusted.
- b. Traffic control will be provided by committee members. Attendees and vendors will abide by all instructions provided.
- c. Warning and directions signs will be in place and should be followed at all times

## Site Specific Plan

### Property Protection

- a. The live event takes place on extended property. All attendees should remain within the live event area as it is part of this safety plan. Any decision to leave this area is not advised and is not under the privy of the NDA or its Members providing safety, support or medical aid.
- b. Authorized areas will be designated and should not be entered into without specific authorization.

## 2.4 COMMUNICATION

ALL ATTENDEES WILL BE REQUIRED TO SIGN A SAFETY AGREEMENT AND WAIVER BEFORE ENTERING THE LIVE EVENT DEMOSTRATION.

ALL ATTENDEES WILL BE REQUIRED TO WEAR THEIR WRIST BANDS AND CONVENTION BADGES WHILE ATTENDING THE LIVE EVENT.

Attendees are encouraged to inform “support team” of known or suspected hazards encountered.

2.1 In the event of an emergency contact a Committee Member and or Call 911

2.2 If there is an immediate threat spread the alarm in a calm manner– pass the word.

2.3 Any evacuation required will result in the meeting at the general assembly area. Attendees should check in with Committee Members before leaving the site to assure all attendees and personnel are accounted for.

2.4 All Committee members will have means of communication – Attendees are encouraged to communicate with Committee Members any concerns or reach out for any clarifications and instructions – better to ask then assume.

2.5 EMERGENCY NOTIFICATION – In the case of an emergency that requires all equipment to shut down and an evacuation of the Live Event Area and air horn will be used to notify all attendees and vendors. All personnel will be evacuated to the parking Lot located directly across from the Live Event Area. The Horn notification will consist of 3 Short Blasts followed by 1 Long Blast. Committee and Safety Personnel will assist in directing attendees and vendors to the proper muster point. No personnel will return to the event area until Committee Members have provided an all clear and authorization to return.

## 3.0 EQUIPMENT TO BE UTILIZED

- a. Hydraulic excavators with thumb attachment, hydraulic breaker, hydraulic shears, hydraulic concrete processors
- b. Wheel loader with bucket
- c. Water trucks with water cannons
- d. 18 wheel end dump trucks (Trash, Metals, Concrete)
- e. Miscellaneous hand tools – hydraulic breakers and generators

## Site Specific Plan

- f. Remote Controlled Equipment – Excavator Type and Drones
- g. Concrete Crushers and Bailers


### **4.0 METHODS & PROCEDURES FOR SAFE OPERATION OF EQUIPMENT**

1. Perform safety meeting with committee members, vendor crew and operators and discuss:
  - a. Safe Operating Zones
  - b. Entry of Attendees – Orientation / Instructions
  - c. Attendees safe use of equipment
  - d. Assurance of PPE by all
  - e. Communication to all
  - f. Authorization to shut down
  - g. Malfunctions
  - h. Emergency evacuation locations
  - i. Equipment Inspections
  - j. Proper Housekeeping
2. Safe Operating Zones
  - a. Vendors and operators will review area for any hazards prior to start of work and remove all or any prior to event
  - b. Vendors and Operators will maintain the integrity of the work zone and will not move equipment of any part thereof out of this designated area including space for the handling of materials by the equipment.
  - c. Vendors and Operators will inspect the Safe Zone after each use of equipment and assure the area is maintained.
  - d. Vendors and Operators will assure no unauthorized attendees enter the safe zone until given permission.
3. Entry of Attendees – Orientation / Instructions
  - a. Vendors will authorize Attendees for entry into Safe Zone
  - b. Operators will provide instruction on the safe use of equipment
4. Attendees safe use of equipment
  - a. Any unsafe operations by attendees will be shut down immediately and vendor will notify committee member of incident
5. Assurance of PPE by all
  - a. Vendors will assure all attendees are donning their PPE
  - b. No attendees will be allowed to enter safe zone without proper PPE
6. Communication to all
  - a. Vendors and Operators will maintain continuous communication with all Attendees and committee members
7. Authorization to shut down
  - a. Vendors and Operators have the right to shut down for any reason deemed necessary
8. Malfunctions
  - a. Any equipment failures or malfunctions will result in immediate shutdown of equipment and notification to committee members
  - b. Any malfunction resulting in a fluid loss is to be contained as best and safe pas possible
9. Emergency evacuation locations

## Site Specific Plan

- a. Attendees, Vendors and Operators will evacuate to parking lot area in case of emergency
10. Equipment Inspections
- a. Vendors and Operators will complete an equipment inspection prior to use in the event and after each use by an attendee.
11. Proper Housekeeping
- a. Vendors and Operators will maintain a clean work area and will take the necessary time to assure the safe zone is free from debris which might create a hazard for any attendees. This effort will take place throughout the event.

## Site Specific Plan

 <div style="display: inline-block; vertical-align: middle;"> <b>NATIONAL DEMOLITION ASSOCIATION</b> </div>	<b>Date:</b> 2/24/18
	<b>Project:</b> Live Exhibit NDA 2018
<b>Description of the work:</b> Operating excavator with attachments (shear, breaker, processor)	<b>Site Supervisor:</b> Adam Robles/Carlos Galaviz
	<b>Site Safety Officer:</b> NDA Team
	Review for latest use: Before the job is performed.

Work Activity Sequence (Identify the principal steps involved and the sequence of work activities)	Potential Health and Safety Hazards (Analyze each principal step for potential hazards)	Hazard Controls (Develop specific controls for each potential hazard)
Read operator's manual completely and attend risk management's safety training prior to attempting operation of the equipment	<ul style="list-style-type: none"> <li>Careless or uninformed operator</li> <li>Property damage</li> <li>Personal injury</li> </ul>	<ul style="list-style-type: none"> <li>Read and obey all information contained in the operator's manual</li> <li>Follow Vendors safety training instructions</li> </ul>
Assess work site prior to entering work area	<ul style="list-style-type: none"> <li>Equipment may get stuck</li> <li>Damage to existing site conditions</li> <li>Unintended damage to surrounding areas</li> <li>Careless operation around attendees</li> </ul>	<ul style="list-style-type: none"> <li>Verify ground is smooth and stable enough in demo area to operate excavator</li> <li>Have any debris removed prior to entering work area.</li> <li>Equipment operator must have a spotter when working in close proximity to materials, other vehicles or equipment or encumbered work zones</li> </ul>
Operating equipment on site during live exhibit	<ul style="list-style-type: none"> <li>Injury to workers</li> <li>Damage to surrounding buildings or finishes</li> <li>Damage to underground utilities</li> </ul>	<ul style="list-style-type: none"> <li>Set up safety work zone prior to any work started</li> <li>Use spotter during movement of excavator around site; do not exceed speed of 5 MPH</li> <li>Prior to initiating movement of equipment (lifting up riggers),</li> <li>Communicate to workers of intent and make eye-contact to confirm they are informed of intent</li> </ul>
Use of breakers (hydraulic, pneumatic and electric)	<ul style="list-style-type: none"> <li>-flying objects</li> <li>-silica dust</li> <li>-sharp objects</li> <li>-slip trip</li> </ul>	<ul style="list-style-type: none"> <li>-work in enclosed cab</li> <li>-proper dust control</li> <li>-appropriate PPE</li> <li>-constant level of awareness</li> <li>-create exclusionary zone</li> <li>-proper housekeeping</li> <li>-knowledgeable operator</li> <li>-3 points of contact when entering/exiting machine</li> </ul>
Use of hydraulic concrete processor	<ul style="list-style-type: none"> <li>Flying objects</li> <li>Silica dust</li> <li>Sharp objects</li> <li>Slip trip</li> <li>Public attendees</li> </ul>	<ul style="list-style-type: none"> <li>Work in enclosed cab</li> <li>Proper dust control</li> <li>Appropriate PPE</li> <li>Constant level of awareness</li> <li>Create exclusionary zone</li> <li>Knowledgeable operator</li> <li>3 points of contact when entering/exiting machine</li> </ul>
Use of excavator with hydraulic shear	<ul style="list-style-type: none"> <li>Flying objects</li> <li>Sharp objects</li> <li>Slip trip</li> <li>Public attendees</li> </ul>	<ul style="list-style-type: none"> <li>Work in enclosed cab</li> <li>Appropriate PPE</li> <li>Constant level of awareness</li> <li>Create exclusionary zone</li> <li>Knowledgeable operator</li> <li>3 points of contact when entering/exiting machine</li> </ul>