JOB SAFETY ANALYSIS
OPERATING A BACKPACK VACUUM

Required Personal Protective Equipment (PPE)*
Not required

**Required Training**
Standard operating procedures (SOPs) for the backpack vacuum, battery pack and charger

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<tr>
<th>TASK</th>
<th>HAZARDS</th>
<th>CONTROLS</th>
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| 1. Equipment Inspection   | Fire                      | - Empty the intercept micro filter after every use and before storage  
|                           | Electric shock            | - Replace the intercept micro filter and micro cloth filter into the vacuum  
|                           | Personal Injury           | - Do not use a damaged vacuum, electrical cord or battery.  
|                           |                           | - Do not use if the unit is not working, damaged, left outdoors, or exposed to water.  
|                           |                           | - Do not handle the switch or battery pack with wet hands.  
|                           |                           | - Keep free of dust, lint, hair, and anything that may reduce air flow.  
|                           |                           | - Keep hair, loose clothes, fingers, and all body parts away from the openings or moving parts.  
|                           |                           | - Ensure the switch is off before connecting the battery pack or carrying vacuum.  |
| 2. Preparing for Work     | Debris may catch on fire  | - Do not use without filters in place  
|                           | Backpack Ergonomics       | - Upper harness should sit between shoulder blades  
|                           |                           | - The weight of the vacuum should be evenly distributed on your hips rather than your shoulders.  |
| 3. Operating Equipment    | Fire                      | - Do not vacuum flammable or combustible materials.  
|                           | Proper Posture            | - Do not vacuum near combustible liquids, gases, or dust.  
|                           |                           | - Fasten the ends of the wands. Attach floor tool and turn the unit on.  
|                           |                           | - Begin with wand close to your body. Draw the wand towards you, your body should follow the direction of the wand, in a side-to-side motion. |
## 4. Battery and Charging

### Risk of fire or injury
- **Use only ProTeam charger and ProTeam battery packs**
- When charging, make sure charger has at least 6 inches of clearance on all sides
- Do not charge or store batteries outdoors, or leave unattended.
- Connect to a grounded outlet only (120V).
- Battery charger (100-240V) must be grounded.
- Do not use a damaged charger or a damaged battery.
- Allow the battery back to cool for 1 hour prior to charging.
- Do not use vacuum, battery pack or charge in temperatures above 104 F or below 50 F
- Do not handle charger with wet hands.

### Electrical shock

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I have received, read, and understood the contents of this JSA. I have also acquired the aforementioned required training.

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For more information about this JSA, contact the *Office of Environmental Health and Safety* at LAUSD, 333 South Beaudry Avenue, 21st Floor, Los Angeles, CA 90017, (213) 241 – 3199 or [http://achieve.lausd.net/oehs](http://achieve.lausd.net/oehs)