Demonstration Hazard Survey

This form is designed to facilitate a Hazard Assessment for demonstrations, which can present unique hazardous circumstances. These surveys should be completed by the instructor performing the demonstration and will be used by EHRS to evaluate the safety of the demo and determine if further controls need to be implemented.

|  |  |
| --- | --- |
|  Completed by | Click here to enter text. |
|  Date | Click here to enter a date. |
|  Program Name | Click here to enter text. |
|  Level of Audience | [ ] K-8 [ ]  High School [ ]  Undergraduate |

|  |  |
| --- | --- |
|  Demonstration Name | Click here to enter text. |
|  Scientific Concept Demonstrated | Click here to enter text. |
|  Reference | Click here to enter text. |
|  Location of Demonstration | Click here to enter text. |
|  Approximate Distance of Audience | Click here to enter text. |

# Stepwise Procedure for Conducting Demo:

Click here to enter text.

# Potential Hazards and Control Strategies:

Hazard controls are used to reduce the likelihood or severity of a safety incident resulting from the hazards indicated above. For each selected hazard there should be at least one control in place to reduce risk.

|  |  |
| --- | --- |
| Hazard Type | Control Strategy |
| Chemical Exposures (demonstrator) |
| [ ]  Dermal/Absorption | Click here to enter text. |
| [ ]  Inhalation | Click here to enter text. |
| [ ]  Splash | Click here to enter text. |
| [ ]  Percutaneous | Click here to enter text. |
| [ ]  Ingestion | Click here to enter text. |
| [ ]  Leaks/Spills | Click here to enter text. |
| Chemical Exposures (audience) |
| [ ]  Dermal/Absorption | Click here to enter text. |
| [ ]  Inhalation | Click here to enter text. |
| [ ]  Splash | Click here to enter text. |
| [ ]  Percutaneous | Click here to enter text. |
| [ ]  Ingestion | Click here to enter text. |
| [ ]  Leaks/Spills | Click here to enter text. |
| Physical Injury (Demonstrator) |
| [ ]  Cut (from glass) | Click here to enter text. |
| [ ]  Cut (from blade) | Click here to enter text. |
| [ ]  Needle-stick | Click here to enter text. |
| [ ]  Pinch/caught-between | Click here to enter text. |
| [ ]  Moving Parts | Click here to enter text. |
| Physical Injury (Audience) |
| [ ]  Cut (from glass) | Click here to enter text. |
| [ ]  Cut (from blade) | Click here to enter text. |
| [ ]  Needle-stick | Click here to enter text. |
| [ ]  Pinch/caught-between | Click here to enter text. |
| [ ]  Moving Parts | Click here to enter text. |
| Thermal (Demonstrator) |
| [ ]  Burn (contact with hot surface) | Click here to enter text. |
| [ ]  Burn (contact with cryogen) | Click here to enter text. |
| [ ]  Burn (contact with open flame) | Click here to enter text. |
| Thermal (Audience) |
| [ ]  Burn (contact with hot surface) | Click here to enter text. |
| [ ]  Burn (contact with cryogen) | Click here to enter text. |
| [ ]  Burn (contact with open flame) | Click here to enter text. |
| Chemical Reactivity |
| [ ]  Explosion | Click here to enter text. |
| [ ]  Exotherm | Click here to enter text. |
| [ ]  Reaction with Air | Click here to enter text. |
| [ ]  Reaction with Water | Click here to enter text. |
| [ ]  Hazardous by-products formed | Click here to enter text. |
| Fire |
| [ ]  Heat source over-heating | Click here to enter text. |
| [ ]  Ignition of flammable gas/vapor | Click here to enter text. |
| [ ]  Electrical fire | Click here to enter text. |
| [ ]  Heat source in contact with combustible or flammable material | Click here to enter text. |
| Pressure |
| [ ]  Implosion (vacuum) | Click here to enter text. |
| [ ]  Over-pressure (explosion) | Click here to enter text. |
| [ ]  Over-pressure (leak/release) | Click here to enter text. |
| [ ]  Pressure vessel failure | Click here to enter text. |

# Waste Disposal

How will the waste be collected and disposed?

# Emergency Procedures

Click here to enter text.