**Risk Assessment and Impact Analysis**

A risk assessment and impact analysis analyzes essential functions and the effect that a hazard or threat to operations might have upon them. In addition, it assists in identifying the essential functions and determines the importance of the areas activities by assessing the following:

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| Effects of a Hazard or Threat | Essential Research Function Affected | Does function involve any chemicals or gases? | Does function involve any radioactive materials? | Does research involve any biological materials? | Does research require a refrigerator or freezer? | Does research require any shipping or receiving? | Is there a risk of loss of research or damage to research with prolonged time of disruption? | Is there a known single point of failure? | Does research require any decontamination at the end of the day? |
| Loss of Electricity |  |  |  |  |  |  |  |  |  |
| Loss of Gas |  |  |  |  |  |  |  |  |  |
| Loss of Water |  |  |  |  |  |  |  |  |  |
| Loss of Supplies |  |  |  |  |  |  |  |  |  |
| Loss of Vendors |  |  |  |  |  |  |  |  |  |
| Loss of IT |  |  |  |  |  |  |  |  |  |
| Loss of Building |  |  |  |  |  |  |  |  |  |
| Loss of Staff |  |  |  |  |  |  |  |  |  |
| Loss of Interdependencies |  |  |  |  |  |  |  |  |  |
| Loss of Ventilation systems |  |  |  |  |  |  |  |  |  |
| Loss of Heating |  |  |  |  |  |  |  |  |  |
| Loss of AC |  |  |  |  |  |  |  |  |  |
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