

ERP Facility Risk Assessment

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|---|--------------------------------------|---------------------------|--------------------------|------------------|---------------------------|--------------------------------------|
| Name(s) of Risk Team Members: B. Heneveld; B. Lein; J. Montalto; T. Doyle; D. Atchison; F. Sauerbrun; G. Hartsough | Point Value → Parameter ↓ | 1 | 2 | 3 | 4 | 5 |
| Area/Facility Description Title: Environmental Restoration Projects | Occupancy or Use | ≤once/year | ≤once/month | ≤once/week | ≤once/shift | >once/shift |
| Area/Facility # (if applicable): ERP-FRA-004 | | | | | | |
| Area/Facility Description: General Fire Hazards and Controls | Severity | First Aid Only | Medical Treatment | Lost Time | Partial Disability | Death or Permanent Disability |
| | Likelihood | Extremely Unlikely | Unlikely | Possible | Probable | Multiple |
| Date: December 22, 2005 Rev.#: 0 | | | | | | |
| Reason for Revision (if applicable): | | | | Comments: | | |

| Physical Item or Activity | Hazard(s) | Control(s) | Risk with Controls in Place | | | | Control(s) Added to Reduce Risk | Risk with Additional Controls in Place | | | | % Risk Reduction |
|---------------------------|----------------|---|-----------------------------|------------|--------------|-------------|---------------------------------|--|------------|--------------|-------------|------------------|
| | | | Occupancy A | Severity B | Likelihood C | Risk* AxBxC | | Occupancy A | Severity B | Likelihood C | Risk* AxBxC | |
| Electrical Fire | Smoke and Heat | Fire detection systems; equipment protective systems; Fire Hazards Analysis; fire stops; Tier I inspections; maintenance; electrical and life safety code compliance; emergency procedures; BNL fire/rescue | 4 | 3 | 3 | 36 | | | | | | |
| Flammable liquid fire | Smoke and Heat | Fire detection systems; work planning; training; chemical segregation; inventory controls; fire cabinets; MSDSs; Tier I inspections; storage controls; ventilation; labeling; ignition source control | 4 | 3 | 3 | 36 | | | | | | |

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|---|-------------------------------|---|------------------------------|------------|--------------|-------------|---------------------------------|--|------------|--------------|--------------------------------------|------------------|
| | | | Occupancy A | Severity B | Likelihood C | Risk* AxBxC | | Occupancy A | Severity B | Likelihood C | Risk* AxBxC | |
| Flammable gases | Smoke and Heat | Fire detection systems; work planning; training; segregation; inventory controls; fire cabinets; MSDSs; Tier I inspections; storage controls; ventilation; labeling; ignition source control | 4 | 3 | 3 | 36 | | | | | | |
| Combustible material fire | Smoke and Heat | Fire detection systems; training; equipment protective systems; Tier I inspections; storage controls; ignition source control | 4 | 2 | 3 | 24 | | | | | | |
| Chemical fire | Smoke and Heat | Fire detection systems; work planning; training; chemical segregation; inventory controls; fire cabinets; MSDSs; Tier I inspections; storage controls; ventilation; labeling; ignition source control | 4 | 2 | 3 | 24 | | | | | | |
| Reactive materials | Smoke and Heat | Fire detection systems; work planning; training; chemical segregation; inventory controls; fire cabinets; MSDSs; Tier I inspections; storage controls; ventilation; labeling; ignition source control | 4 | 2 | 3 | 24 | | | | | | |
| Further Description of Controls Added to Reduce Risk: | | | | | | | | | | | | |
| *Risk: | 0 to 20 Negligible | 21 to 40 Acceptable | 41 to 60 Moderate | | | | 61 to 80 Substantial | | | | 81 or greater Intolerable | |