# Risk Management Plan

**3.1 Risk Assessment matrix**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk** | **Likelihood** | **Impact** | **Detection Difficulty** | **When** |
| Snake bites | 27% a | 5 (work will stop immediately) | 1 (bite mark can be seen and worker will be in pain) | In backyard |
| Hurricane | 47%a | 5(work will stop immediately) | 3 (Storm clouds can be seen, an increase in wind, weather report) | On construction site/road to construction sit |
| Gas leak | 50% | 5 (work will stop immediately) | 5 (gas does not have a colour) | During gas installation |
| Electrocution | 30% | 3-5 ( depending on severity of the burns inflicted) | 1 (Worker will be in pain, there might be some burn marks) | During electrical system installation |
| Pipe leakage | 50% | 3 ( will stop construction for a little while until problem is fixed) | 2 (Can go unnoticed) | While installing or testing pipping system |
| Serious injury | 50% | 5 (work must stop immediately | 1 (Wound is visible) | While working with equipment |

Define your risks in paragraph form here..Be thorough so reader understands severity or not of the risk being given.

Likelihood to Score:

10%- 20%: 1 Very unlikely

21%- 30%: unlikely

50%-70%: 4: highly likely

71-99%: very highly likely

Impact:

Define

1

2:

3:

4:

5:

Detection

**Key**

|  |  |  |
| --- | --- | --- |
| Likelihood | Impact | Detection difficulty |
| % | 1 (not much)-5 (very much) | 1(easy to detect) - 5 (hard to detect) |

**3.3 Contingency Matrix**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Risk** | **Response** | **Trigger (what is observed)** | **Contingency plan** | **Who is responsible** |
| Snake bites | Transfer | Two puncture wounds and swelling around wound | Seek medical attention ( call 911) | Site supervisor/safety manager |
| Hurricane | Mitigate | Weather report indicates your site is in direct path | Batten down the site, move equipment and staff to safe location | Safety manager |
| Gas leak | Mitigate | Air smells of gas | Remove all staff and homeowners from the house and call 911 | Safety manager |
| Electrocution | Transfer | Worker is unconscious, has burn | Call 911, look after worker | Safety manager |
| Pipe leakage | Repair | Pipe is clearly leaking | Repair pipe leakage and test plumbing system again | Supervisor |
| Serious injury | Transfer | Worker is gushing blood out of their wound | Call 911, help worker stop the bleeding | Supervisor |

Mitigate means reduce lilelhood of occurrence or reduce impact

\*Note: Bellow are the sites used for the above tables

1. Collier, E. (2017, October 18). Ten Common Construction Site Hazards. Hub from High speed training. Retrieved April 4, 2021, from https//www.highspeedtraining.co.uk/hub/common-construction-hazards/
2. Holley, P. (2020, August 21). Why One Expert Predicts Major Hurricane Hitting Houston Would Be "America's Chernoby". TexasMonthly. Retrieved April 4, 2021, from https://www.texasmonthly.com/news-politics/houston-hurricane-ship-channel-orourke/

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