

# Appendix D

## Job Hazard Analysis Heat Map

Each task within a JHA will be rated based on the following areas of concern: Caught-In or Between, Chemical, Electrical, Environmental, Ergonomic, Falls and Being Struck by Something.

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
High/Probable	3	6	9	12	15	18
Medium/Possible	2	4	6	8	10	12
Low/Remote	1	2	3	4	5	10

### Risk Likelihood Scale

#### Low/Remote

- Unlikely

#### Medium/Possible

- Likely

#### High/Probable

- Very Likely

### Risk Impact Scale

The Risk Impact Scale is defined as Minor, Moderate, Substantial, Severe and Business Critical. Below is a brief description for each of the points on the Risk Impact Scale.

## Risk Impact Minor

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Affects 1 employee
- Minor injury FROI no loss time
- Management Approval

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Affects 1 employee
- Minor injury FROI no loss time
- Management Approval

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Affects 1 employee
- Minor injury FROI no loss time
- Management Approval

## Risk Impact Moderate

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Moderate injury FROI no loss time
- Management Approval

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Moderate injury FROI left work return next day
- Management Approval

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Moderate injury FROI left work and at least one day loss
- Management Approval

## Risk Impact Substantial

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Injury will require additional medical follow up
- Supervisory Approval

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Injury will require additional medical follow up
- Substantial injury FROI left work and loss time
- Management Approval

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Injury will require additional medical follow up
- Substantial injury FROI left work and loss time
- Management Approval

## Risk Impact Serious

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Hospitalization and Rehab
- Modify Work Duties for Back to work
- Management Approval

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Hospitalization and Rehab
- Modify Work Duties for Back to work
- Management Approval

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Hospitalization and Rehab
- Modify Work Duties for Back to work
- Possibility of Permanent Disability
- Management & Chief Risk Officer Approval

## Risk Impact Severe

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Severe injury or death
- Self-insured workers' compensation injury/exposure
- Senior Leadership Approval

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Severe injury or death
- Self-insured workers' compensation injury/exposure
- Senior Leadership & Chief Risk Officer Approval

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Severe injury or death
- Self-insured workers' compensation injury/exposure
- Senior Leadership & Chief Risk Officer Approval

## Risk Impact Business-Critical

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	<b>10</b>

- Severe injury or death
- Self-insured workers' compensation injury/exposure
- Senior Leadership & Chief Risk Officer Approval

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	18
<b>Medium/Possible</b>	2	4	6	8	10	<b>12</b>
<b>Low/Remote</b>	1	2	3	4	5	10

- Severe injury or death
- Self-insured workers' compensation injury/exposure
- Senior Leadership & Chief Risk Officer Approval

	Minor	Moderate	Substantial	Serious	Severe	Business-Critical
<b>High/Probable</b>	3	6	9	12	15	<b>18</b>
<b>Medium/Possible</b>	2	4	6	8	10	12
<b>Low/Remote</b>	1	2	3	4	5	10

- Severe injury or death
- Self-insured workers' compensation injury/exposure
- Senior Leadership & Chief Risk Officer Approval