



Fea Contractor Job Safety Analysis (JSA) & Risk Assessment Template

Form
HSE41C11

Task: _____ **Contractor:** _____
JSA Conducted by: _____ **Signature** _____ **Date** _____
Assessed By (Fea Rep): _____ **Signature** _____ **Date** _____
Applicable Procedures/ Standards/Permits _____
Training/Licensing or qualifications required _____

| Step No. | Step Description | Equipment or Plant Required | Possible Hazards | Risk Level | Safety controls including personal protective equipment (PPE) to be taken | By Whom | By When |
|----------|------------------|-----------------------------|------------------|------------|---|---------|---------|
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|------------------------|-----|--|-----|--|-----|--|-----|--|
| Assessment/Review Date | 1st | | 2nd | | 3rd | | 4th | |
| Assessor's Name | | | | | | | | |

Use separate sheet if required



Fea Contractor Job Safety Analysis (JSA) & Risk Assessment Template

How to Assess Risk

| <p>Step 1 – Consider the Consequences</p> <p>What are the consequences of this incident occurring? Consider what <u>could reasonably</u> have happened as well as what actually happened. Look at the descriptions and choose the most suitable Consequence.</p> <p style="text-align: center;">CONSEQUENCES</p> | <p>Step 2 – Consider the Likelihood</p> <p>What is the likelihood of the consequence identified in step 1 happening? Consider this without new or interim controls in place. Look at the descriptions and choose the most suitable Likelihood.</p> <p style="text-align: center;">LIKELIHOOD</p> | <p>Step 3 – Rate the Risk</p> <p>1. Take step 1 rating and select the correct column 2. Take Step 2 rating and select the correct line 3. Circle the risk score where the two ratings cross on the matrix below.</p> <p style="text-align: center;">Severity Score: A - Immediate Attention B - Address ASAP C - Does not need immediate attention</p> | <p>How to use this form:</p> <ul style="list-style-type: none"> Identify a task Identify any applicable procedure/standard/permit for the task Identify any training/licensing/qualification required for the task List down the basic Job Steps in logical sequence. For every sequence, list down the required tools/equipment for the job. Identify all possible hazards for each job step. This is best done in consultation with the teams. Rate the level of risk for the hazards identified. Develop an economical and practical control, using the 'Hierarchy of Controls' as a guide. Allocate the implementation of the control to a person giving a timeline for completion. Attempt to fill in all areas of the form | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|--|---|-----------------------------|-----------------|-------------------|--------------|---------------------|---|------------|-------------|----------|--|----------|------------------------------------|----------|--|--|--|--|--------------|--|--|-------|----------|-------|------------|---|---|---|---|---|---|---|---|---|---|---|---|--|
| <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Consequence</th> <th style="width: 85%;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; color: green;">Major</td> <td>Death or extensive injuries</td> </tr> <tr> <td style="text-align: center; color: green;">Moderate</td> <td>Medical treatment</td> </tr> <tr> <td style="text-align: center; color: green;">Minor</td> <td>First aid treatment</td> </tr> </tbody> </table> | Consequence | Description | Major | Death or extensive injuries | Moderate | Medical treatment | Minor | First aid treatment | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Likelihood</th> <th style="width: 85%;">Description</th> </tr> </thead> <tbody> <tr> <td style="text-align: center; color: blue;">1</td> <td>The event is expected to occur in most circumstances</td> </tr> <tr> <td style="text-align: center; color: blue;">2</td> <td>The event could occur at some time</td> </tr> <tr> <td style="text-align: center; color: blue;">3</td> <td>The event could occur, but only rarely</td> </tr> </tbody> </table> | Likelihood | Description | 1 | The event is expected to occur in most circumstances | 2 | The event could occur at some time | 3 | The event could occur, but only rarely | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="2" rowspan="2"></th> <th colspan="3" style="background-color: #2e8b57; color: white;">CONSEQUENCES</th> </tr> <tr> <th style="background-color: #2e8b57; color: white;">Major</th> <th style="background-color: #2e8b57; color: white;">Moderate</th> <th style="background-color: #2e8b57; color: white;">Minor</th> </tr> </thead> <tbody> <tr> <th rowspan="3" style="background-color: #0070c0; color: white; writing-mode: vertical-rl; transform: rotate(180deg);">LIKELIHOOD</th> <th style="background-color: #0070c0; color: white;">1</th> <td style="background-color: #ff0000; color: white; font-weight: bold;">A</td> <td style="background-color: #ff0000; color: white; font-weight: bold;">A</td> <td style="background-color: #ffa500; color: white; font-weight: bold;">B</td> </tr> <tr> <th style="background-color: #0070c0; color: white;">2</th> <td style="background-color: #ff0000; color: white; font-weight: bold;">A</td> <td style="background-color: #ffa500; color: white; font-weight: bold;">B</td> <td style="background-color: #ffff00; color: white; font-weight: bold;">C</td> </tr> <tr> <th style="background-color: #0070c0; color: white;">3</th> <td style="background-color: #ffa500; color: white; font-weight: bold;">B</td> <td style="background-color: #ffff00; color: white; font-weight: bold;">C</td> <td style="background-color: #ffff00; color: white; font-weight: bold;">C</td> </tr> </tbody> </table> | | | CONSEQUENCES | | | Major | Moderate | Minor | LIKELIHOOD | 1 | A | A | B | 2 | A | B | C | 3 | B | C | C | |
| Consequence | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Major | Death or extensive injuries | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Moderate | Medical treatment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Minor | First aid treatment | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Likelihood | Description | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 2 | The event could occur at some time | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | The event could occur, but only rarely | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | CONSEQUENCES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Major | Moderate | Minor | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LIKELIHOOD | 1 | A | A | B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2 | A | B | C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 3 | B | C | C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Risk Control

Risk control is a method of managing the risk with the primary emphasis on controlling the hazards at source. For a risk that is assessed as "A", steps should be taken immediately to minimize risk of injury. The method of ensuring that risks are controlled effectively is by using the "hierarchy of controls". The Hierarchy of Controls are:

| Order No. | Control | Example |
|-----------|-------------------------------|---|
| Firstly | Eliminate | Removing the hazard, eg taking a hazardous piece of equipment out of service. |
| Secondly | Substitute | Replacing a hazardous substance or process with a less hazardous one, eg substituting a hazardous substance with a non-hazardous substance. |
| Thirdly | Isolation | Isolating the hazard from the person at risk, eg using a guard or barrier. |
| Fourthly | Engineering | Redesign a process or piece of equipment to make it less hazardous. |
| Fifthly | Administrative | Adopting safe work practices or providing appropriate training, instruction or information. |
| Sixthly | Personal Protective Equipment | The use of personal protective equipment could include using gloves, glasses, earmuffs, aprons, safety footwear, dust masks. |