

Form No:HSE41C11 Rev.2

Created: July 2007

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

Form HSE41C11

Page 1 of 2

Next Review: July 2010

Task: JSA Co	nducted by:			ractor:	Signature	Date	
	ed By (Fea Rep):				Signature		
	ble Procedures/ Standards/	Permits					
iraining	g/Licensing or qualifications	s 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
	nent/Review Date 1s	t	2nd		3rd	4th	
	r's Name parate sheet if required						

Custodian: Unit Leader HSE

Last Review: July 2009



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How to Assess Risk

Cons What are the cons occurring? Consic have happened a happened Look at t the most suitable Co	Consider the sequences sequences of this incident ler what could reasonably s well as what actually the descriptions and choose onsequence.	Step 2 – Consider the Likelihood 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. LIKELIHOOD		1.7	Step 3 — Rate the Risk 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. Severity Score: A - Immediate Attention B - Address ASAP C - Does not need immediate attention				
Consequence	Description	Likelihood	Description	¹ ♥		CONSEQUENCES			
Major	Death or extensive injuries	1	The event is expected to occur in most circumstances			Major	Moderate	Minor	
Moderate	Medical treatment	2	The event could occur at some time	g	1	Α	Α	В	
Minor	First aid treatment	3	The event could occur, but only rarely	ПКЕЛНООВ	2	Α	В	С	
				Ť	3	В	С	С	

How to use this form:

- 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

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.

Form No:HSE41C11 Rev.2	Custodian: Unit Leader HSE	Page 2 of 2
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