

Pipelines and Terminals CTEMS Document



ELEMENT FOUR
Operations Reliability & Mechanical Integrity
4.1.3 RISK ASSESSMENTS

FHES SWP 01.1

 Rev Date:
 14/07/2020

Rev 0 (AR 421)

TASK RISK ASSESSMENT TITLE HERE			Assessed by:-		Assessment Date:	
Description of task: (location, equipment, materials)						
Persons at risk: (Staff, contractors, public, number of persons)						
Environment at risk: (Emissions, spill to water)						
Is an alternative product or process available						
Does this task contain safety critical steps? Which MAH scenarios would these relate to?						
RISK ASSESSMENT						
Task/ Activity		Hazard- potential consequence	Control measures	Severity	Probability	Risk
1			•			
2			•			
3			•			
4			•			
5			•			

6			•			
7			•			
8			•			
9			•			
10			•			
11			•			
12			•			
13			•			
14			•			
15			•			
16			•			
17			•			
18			•			
19			•			

Fig. 1 Simplified Task Risk Matrix:

SEVERITY	H			H
	M		M	
	L	L		
		L	M	H
PROBABILITY				

For task risk assessments a simplified 3 x 3 risk matrix is used, this provides a qualitative risk value to each step of the task. Severity is based on the credible foreseeable outcome with the specified controls in place.

Severity:

LOW = 1st aid injury. Release to containment < 600ltrs (0.5 Tonnes). Minor impact on people and no media coverage. Business cost or product quality impact < \$100K

MED = RIDDOR reportable injury, hospital treatment, multiple minor or single life changing injury. Release > 600ltrs (0.5 Tonnes) notifiable to agencies. Local media coverage or community warning. Business cost or product quality impact > \$100K and < \$1M

HIGH = Fatality, multiple major injuries, fire/explosion. Major Accident to the Environment (MATTE). Government agencies respond and intervene. National media attention, business cost or product quality impact > \$1M.

Probability:

LOW = Low probability event could occur in 10 years operation

MED = Foreseeable probability event could occur in 10 years operations

HIGH = Foreseeable probability event could occur in a single years operation

Risk:

LOW = Low risk. Acceptable

MED = Medium risk. Managed through existing controls

HIGH = High risk. Unacceptable. Further controls required

CTEMS REVISION HISTORY

Description	Reference
Document:	FHES SWP 01.1 – Task Risk Assessment Template
Date Created:	June 2016
Owner:	HES Manager
Author:	Eddie Watts
Date Reviewed/Amended:	14/07/2020
Revision No.	0

Revised Date:	Name:	Reason for Revision:	Amendment Req. No.
14/07/2020	J Daniels	Publication of separate form from standard.	AR 421