

CEA CUBE Risk Assessment



Workplace / Equipment: CEA Petroleum Equipment

CUBE Risk Assessor: A. Brn

Assessment Date: 01/07/2015

Specific Task Related to Hazard: Storage of Diesel and Waste Oils

Section 1 Hazards: Potential HAZARDS

	Y	N		Y	N		Y	N
Work Environment			Radiation			Environmental		
Adequate access	✓		Ionizing radiation		✗	Spills	✓	
Air-conditioning		✗	Non-ionizing radiation		✗	Damage		✗
Confined spaces	✓		Kinetic Energy			Contamination	✓	
Lighting		✗	The body hitting objects		✗	Hazardous Substance		
Mental stress		✗	Hit by moving objects		✗	Liquids	✓	
Ergonomics		✗	Explosion		✗	Fumes		✗
Temperature / Weather Effects			Penetrating objects		✗	Gases		✗
Heat	✓		Vibration		✗	Vapours / mists		✗
Cold	✓		Acoustic / noise		✗	Solids		✗
Rain / flood		✗	Energy			Manual Handling		
Wind		✗	Electrical	✓		Lifting / carrying		✗
Pressure (diving / altitude)		✗	Gravity		✗	Pushing / pulling		✗
Lighting	✓		Falls / trips / slips	✓		Posture		✗
Smoke		✗	Falling objects		✗	Reaching / overstretching		✗
Health and Security			Mechanical			Repetitive movement		✗
Food		✗	Vehicles		✗	Bending		✗
Poisoning or contamination	✓		Mobile and fixed plant		✗	Miscellaneous		
Intoxication		✗	Powered equipment		✗	Working at heights	✓	
Dehydration		✗	Non-powered equipment		✗	Cuts / lacerations		✗
Violence		✗						
Working alone		✗						
Bites / stings		✗						

Section 2 Summary of Identified Hazards

1	Adequate access to Cube	6	Electricity
2	Confined Space	7	Spills
3	Heat	8	Liquids
4	Cold	9	Work at Heights
5	Poisoning / Contamination	10	

Any specific circumstances (describe): NONE

Persons at risk (list): OPERATOR

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Section 3 Risk Assessment

(List identified hazards and detail measures taken to address the hazards) This form is to be expanded electronically or additional information attached where required

Controls to be considered from the following hierarchy of control

1. Elimination (is it necessary?)
2. Substitution
3. Isolation (restrict access)
4. Engineering (guarding, redesign)
5. Administration (training, SOP's,)
6. Personal Protective Equipment (PPE) eg (gloves, leather apron, coveralls, respirator) etc

Identified Hazards Exposure	Risk Rating	Required Controls	Controls Implemented	
			Y	N
Adequate access to Cube	Medium	Allow at least 600mm clear access to hatches		
Confined Space	High	Ensure monitored confined space entry procedures are in place		
Heat and Cold	Medium	Avoid exposure to +50 deg. C and Below 20 deg. C		
Poisoning/Contamination	Medium	Ensure controls advised in product Safety Data Sheet are followed		
Electricity	High	Prestart checks for wear and Earth Cube		
Spills - Liquid	Medium	Filling and Fuelling procedure in place – Spill Kit – Gloves and Glasses		
Work at Heights	High	Ensure Work at Heights procedure in place prior to Cube top access		

Section 4 Implementation Plan (Complete at commissioning)

Control Option	Resources	Person(s) Responsible	Proposed Implementation Date

Section 5 Comments and Endorsements

Comments: The CEAPET CUBE is a self bunded unit that requires regular checks for wear / damage of external surfaces and Bund. Regular maintenance schedule is to be implemented.

Assessment Approval:

I am satisfied that the risks are not significant and/or adequately controlled and that resources required will be provided.

Name: A. Braun

Position Title: WHS Coordinator

Signature: *Anton Braun*

Date: 01/07/2015

CEA CUBE Risk Assessment Matrix



PRIORITISING HAZARDS AND RISKS

Consequence	Likelihood			
	Very Likely	Likely	Unlikely	Highly Unlikely
Life Threatening	High	High	High	Medium
Detrimental	High	High	Medium	Medium
Harmful	High	Medium	Medium	Low
Negligible	Medium	Medium	Low	Low

HAZARD CONSEQUENCE RATING TABLE

Life Threatening	Hazard may cause death or total loss of one or more bodily functions (eg. loss of: or use an arm, an eye, huge financial loss etc).
Detrimental	Hazard may cause severe injury, illness or permanent partial loss of one or more bodily functions (eg. noise induced hearing loss), or serious property damage, loss of production capability.
Harmful	Hazard may cause a reportable incident ie. an incident that results in the employee being unable to undertake their normal duties for 7 days or more, or significant property damage, high financial loss.
Negligible	Hazard may cause minor injury, illness or property damage, first aid treatment only or no injury, low financial loss.

PROBABILITY RATING TABLE

Very Likely	Exposure to hazard likely to occur frequently.
Likely	Exposure to hazard likely to occur but not frequently.
Unlikely	Exposure to hazard unlikely to occur.
Highly Unlikely	Exposure to hazard so unlikely that it can be assumed that it will not happen.