BOBCOMBE ENTERPRISES

HEALTH, SAFETY AND ENVIRONMENT (HSE) RISK ASSESSMENT

JOB LOCATION: NORTHERN WALL OF BITTERS BOTTLING

ASSESSMENT TEAM:VANESSA BOBCOMBE, VINCENT BOBCOMBE, MYA BOBCOMBE

APPROVAL

FOR USE BY CONTRACTOR		FOR USE BY ANGOSTURA	
		ANGOSTURA PERFORMING AUTHORITY (APPROVED BY)	
NAME:	Mya Bobcombe	NAME:	Shantel Bobcombe
		SIGNATURE:	S. Bobcombe
DATE:	01-Mar-2025	DATE:	10-Mar-2025
		HSSE DEPARTMENT (REVIEWED BY)	
		NAME:	Dave Morales
SIGNATURE:	M.Bobcombe	SIGNATURE:	D. Morales
		DATE:	8-Mar-2025

RA REF #: BE-001
REV DATE:1-MAR-25
RA NO.: 0
RA VALID UNTIL: 1-MAR-26

SCOPE OF WORK

TO INSTALL SUPPORT BRACKETS FOR A PRODUCT LINE IN THE BITTERS BOTTLING FACILITY. THIS WILL INVOLVE KEY STEPS: MOBILIZATION, MARKING AND MEASUREMENT OF THE AREA, DRILLING AND ANCHOR INSTALLATION, BRACKET INSTALLATION, DEMOBILIZATION.

DETAILS OF PRIMARY HAZARDS

THE PRIMARY HAZARDS INVOLVE WORKING AT HEIGHT (AT APPROXIMATELY 10FT), DROPPED OBJECTS, USE OF HAZARDOUS CHEMICALS, USE OF POWERED TOOLS

Health, Safety and Environment Risk Assessment Matrix[1]

Likelihood (of Injury or Illness)[2]	Guidance on Estimating Likelihood[2]		1	2	3	4	5
	Situations	Frequency of Incidents & At-Risk Behaviours[3]	Hurt/ No potential for environmental impact	First Aid/ Potential for environmental impact	Recordable[4] / Minor localized environmental impact	Irreversible[5] / Major localized environmental impact	Fatality/ External environmental impact
5 Almost Certain	Controls are missing or not implemented. No risk awareness.	Very Frequent	5 Medium Risk	10 Medium Risk	15 High Risk	20 Extreme Risk	25 Extreme Risk
4 Likely	Controls are ineffective. Minimal risk awareness.	Frequent	4 Low Risk	8 Medium Risk	12 High Risk	16 High Risk	20 Extreme Risk
3 Possible	Heavily reliant on unreliable organisational controls.	Occasional	3 Low Risk	6 Medium Risk	9 Medium Risk	12 High Risk	15 High Risk
2 Unlikely	Workplace and task are optimized. Reliable controls are in place.	Rare	2 Low Risk	4 Low Risk	6 Medium Risk	8 Medium Risk	10 Medium Risk
1 Rare	Safe by design. Nearly impossible to get hurt.	None	1 Low Risk	2 Low Risk	3 Low Risk	4 Low Risk	5 Medium Risk

Potential Severity (of injury, illness or environmental impact)

How to interpret risk levels?

Extreme Risk	20 to 25	**Not tolerable:** Stop activity, Immediate action required
High Risk	12 to 16	**Not tolerable:** Urgent management attention required with short terms plans to correct
Medium Risk	5 to 10	**Not tolerable:** Management attention required with long term plans to correct
Low Risk	1 to 4	**Tolerable:** However, action may be required (if not compliant to standard)

Notes:

1. To be used in the following sequence: i) Identify the incident scenario, ii) Determine Potential Severity, iii) Estimate Likelihood, iv) Read off Risk Level.
2. When estimating Likelihood, consider the size of the exposed population, and the frequency and duration of their exposure to the source of risk.
3. When considering incidents, ensure to include near misses. But remember that the number of reported near misses and at-risk behaviours will depend on the level of HSE awareness - and quality of the "reporting culture". Wherever possible involve the exposed population in the risk assessment and ask for their input on frequencies.
4. "Recordable" injuries & illnesses are those that require: i) medical treatment beyond first aid, ii) restricted work, or iii) lost time.
5. "Irreversible " injuries are those that result in: i) amputations, ii) permanent/partial disability, or iii) permanent disfigurement.

PERSONAL PROTECTIVE EQUIPMENT (PPE) REQUIRED

☑ if required	Helmet	Safety footwear	High-vis clothing	Eye protection	Face protection	Hearing protection	Protective gloves	Respirator (dust)	Respirator (gas/vapour)	Personal fall protection	Protective clothing
	☒	☒	☐	☒	☐	☒	☒	☒	☐	☒	☐

☐If there is any other PPE required, please list here:Click or tap here to enter text.

#	Steps/Activity	Hazard	Effect	Consequence (C) (1 – 5)	Likelihood (L) (1 -5)	R = C x L	Control/Mitigation Strategy	Consequence (C) (1 – 5)	Likelihood (L) (1 – 5)	R = C x L	Action By	Comments
1	Mobilization, Demobilization	Vehicular Movement	Contact with moving vehicles can result in crush injuries, and even death, spills	5	2	10	1) Conduct pre-use inspection of truck. 2) Ensure truck has appropriate statutory inspection and have the relevant insurance. 3) Ensure drivers are trained in defensive driving. 4) Exercise caution while driving and adhere to all site traffic requirements (speed limit, pedestrian zones, restrictions, parking). 5) Ask for traffic direction support when required. 6) Routine drug and alcohol testing for persons expected to drive company vehicles. 7) Ensure spill kit is available on truck.	5	1	5	Supervisor, Technicians	N/A
2	Mobilization, Marking and Measurement, Drilling and Anchor Installation, Bracket Installation	Working at Height	Falls from height can result in critical injuries or death. Suspension trauma if suspended at height	5	2	10	1) Conduct pre-use inspection of 12ft ladder. 2) Ensure all workers use full-body harnesses and are 100% tied off to anchor point. 3) Tether tools to prevent objects falling. 4) Assign a spotter to monitor workers at height. 5) Ensure ladder is securely placed and anchored. 6) Ensure persons expected to work at height are trained and medically fit for working at height. 7) Ensure all working at height equipment are inspected and certified. 8) Emergency response plan to address arrangements for rescue and medical emergencies.	5	1	5	Supervisor, Technicians	N/A
3	Mobilization, Marking and Measurement, Drilling and Anchor Installation, Bracket Installation	Dropped Objects	Blunt trauma to the head, body or feet resulting in severe impact injury.	4	2	8	1) Tether all tools to prevent objects from falling. 2) Establish an exclusion zone and enforce that persons working below wear hard hats. 3) Emergency response plan to address arrangements for medical emergencies	4	1	4	Supervisor, Technicians	N/A
4	Drilling and Anchor Installation, Demobilization	Hazardous Chemicals	Skin and respiratory irritation through contact with Epoxy	3	2	6	1) Utilize chemical-resistant hand protection and appropriate eye protection. 2) Epoxy is being utilized in a well-ventilated area. 3) Use, store and handle chemicals in alignment with the Safety Data Sheet (SDS). 4) Ensure epoxy is stored in secondary containment. 5) Ensure SDS is communicated to all staff. 6) Emergency response plan to address chemical exposure and spills.	2	2	4	Supervisor, Technicians	N/A

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5	Mobilization, Marking and Measurement, Drilling and Anchor Installation, Bracket Installation, Demobilization	Slip, trip and falls	Sprains, fractures, head injuries	3	2	6	1)Keep work areas tidy and remove tripping and slipping hazards. 2) Ensure proper lighting and mark hazard zones with caution tape. 3)Require all personnel to wear safety footwear with anti-slip properties. 4)Set up physical barriers, cones, or caution tape around the work zone. 5)Post warning signs and inform nearby personnel of restricted access.	2	1	2	Supervisor, Technicians	N/A
6	Drilling and Anchor Installation, Bracket Installation	Use of Power Tools and Hand Tools	Cuts, lacerations, noise, hand injuries, flying objects, equipment malfunctions	3	3	9	1)Ensure all workers are trained in the safe use of tools and equipment. 2)Inspect tools before use to confirm they are in good condition. 3)Wear task-appropriate PPE (gloves, safety glasses, steel-toe boots, ear protection, dust mask). 4)Use tools only for their intended purpose. 5) Do not force equipment beyond its capacity. 6) Allow equipment to cool down if overheating occurs.	2	2	4	Supervisor, Technicians	N/A
7	Drilling and Anchor Installation, Demobilization	Chemical Environmental Release	Contamination of waterways and landfills	3	2	6	1)Collect and properly dispose of all waste materials in designated bins. 2)Follow the company's waste management procedure. 3)Separate recyclable materials where applicable. 4) Dispose of all hazardous chemical waste and waste contaminated with chemicals in accordance with the SDS. 5) Emergency response plan inclusive of spill response to deal with chemical spills.	2	2	4	Supervisor, Technicians	Disposal records to be submitted to Angostura
8	Mobilization, Marking and Measurement, Drilling and Anchor Installation, Bracket Installation, Demobilization	Poor ergonomics	Muskuloskeletal injuries, muscle fatigue	3	2	6	1) Use mechanical lifting aids where possible. 2) Train workers in proper lifting techniques (bend at the knees, not the back). 3) Assign multiple workers for heavy lifting tasks.	2	2	4	Supervisor, Technicians	N/A

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#	Click or tap here to enter text.	Click or tap here to enter hazard	Click or tap here to enter text.	Click or tap here to enter text.	Click or tap here to enter text.		Click or tap here to insert controls	Click or tap here to enter text.	Click or tap here to enter text.		Click or tap here to enter text.	Click or tap here to enter text.
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