

Risk Assessment



Reference No: UOW05879

Status: Complete

Date Created: 26/04/2017

Form Details

Form Updated Details

Last Updated: 29/05/2019

Version No: 8

Initial Details

Faculty/Division: Human Resources Division

 Confidential

Unit: Workplace Health & Safety Unit

Work Activity: Use of gas barbecues (BBQ's)

Location: Multiple Campuses

Building: Multiple

Room

Specific Location: Any site using a gas barbecue

Category: General

Is this risk assessment related to the purchase of an item or service?

 Yes No

Please enter the Purchase Order Number

Risk Type

 Generic Manual Handling Hazardous Substances Radiation BioSafety Field / Off-Campus Activity Serving Alcohol Travel

Developer/s

| Name | Position | Main Contact |
|-----------------|--------------------------------------|-------------------------------------|
| Kristy Adams | Health & Safety Advisor | <input checked="" type="checkbox"/> |
| Christian Byrne | UOW Pulse People And Culture Partner | <input type="checkbox"/> |
| Wayne Ireland | Senior Technical Officer (WHS) | <input type="checkbox"/> |
| Tony Bate | Casual Employee | <input type="checkbox"/> |

Approver/s

| Name | Position | Date Approved |
|--------------|-------------------------------------|---------------|
| Darren Smith | Manager, Workplace Health and Safet | 29/05/2019 |

Referenced Documentation

| Type | Description | Filename |
|---------------------|-----------------------------------------------------------------|----------|
| Legislation | NSW WHS Act 2011 | |
| Other | QLD Gas cylinder safety | |
| UOW Guidelines | Working with Hazardous Chemicals and Dangerous Goods Guidelines | |
| Australian Standard | AS1596 The storage and handling of LP Gas | |
| UOW Guidelines | Materials Handling Guidelines | |
| UOW Guidelines | Safe Food Handling Guidelines | |

Assessment and Control

| Hazard | Description of Hazard | Current Controls | Consequence | Likelihood | Risk Score |
|--------|--------------------------------------------------------------------|------------------|--------------------------------|-----------------------------------|------------|
| 1 | Fire or injury from gas leak from regulator connection to cylinder | Nil | Major (Medical treatment) | Possible (May occur at some time) | Medium |
| 2 | Fire or injury from gas leak from regulator and hose. | Nil | Moderate (First aid treatment) | Possible (May occur at some time) | Low |

| | | | | | |
|----|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------------|-------------------------------------|-----------------------------------------------|--------|
| 3 | Fire or explosion from gas cylinder leakage | Storage of gas cylinder | Moderate (First aid treatment) | Possible (May occur at some time) | Low |
| 4 | Use of unauthorised cookers such as wood etc Charcoal, wood BBQ's are not permitted open wood fires | Security onsite would monitor the grounds to identify open fires | Minor (Injury report, no treatment) | Possible (May occur at some time) | Low |
| 5 | Burn from hot surfaces | Nil | Moderate (First aid treatment) | Unlikely (May occur, but probably never will) | Low |
| 6 | Injury from pinch points | Nil | Moderate (First aid treatment) | Unlikely (May occur, but probably never will) | Low |
| 7 | Manual handling cylinder and BBQ | Nil | Moderate (First aid treatment) | Unlikely (May occur, but probably never will) | Low |
| 8 | Incorrect ignitions sources used to light BBQ. | Piezo ignition are installed on some units | Moderate (First aid treatment) | Possible (May occur at some time) | Low |
| 9 | Food catching fire - Not looking while cooking | Fire service campaign program - Look while cook | Moderate (First aid treatment) | Possible (May occur at some time) | Low |
| 10 | Placing incorrect items on the BBQ which could melt and catch fire | Nil | Moderate (First aid treatment) | Possible (May occur at some time) | Low |
| 11 | Fire from inappropriate materials to catch runoff grease and fats | Nil | Moderate (First aid treatment) | Possible (May occur at some time) | Low |
| 13 | Unhygienic use such as cooking on unclean surface | Nil | Moderate (First aid treatment) | Possible (May occur at some time) | Low |
| 14 | Build up of grease on BBQ | Nil | Moderate (First aid treatment) | Possible (May occur at some time) | Low |
| 15 | Incorrect storage of cylinder | Nil | Moderate (First aid treatment) | Possible (May occur at some time) | Low |
| 16 | Unsafe food handling | Nil | Moderate (First aid treatment) | Possible (May occur at some time) | Low |
| 17 | Incorrect placement of BBQ | Nil | Moderate (First aid treatment) | Possible (May occur at some time) | Low |
| 18 | Untrained or inexperienced user of BBQ | Nil | Moderate (First aid treatment) | Possible (May occur at some time) | Low |
| 19 | Transportation of BBQ gas bottles | Nil | Major (Medical treatment) | Unlikely (May occur, but probably never will) | Medium |

Is there a safe work procedure available in place for this activity?



Yes



No

Risk Control

| Hazard | Control Type | Control Description | Person Responsible | Target Date | Date Completed |
|--------|--------------|----------------------------------------------------------------------------|--------------------|-------------|----------------|
| 1 | | Ensure the O-ring or the Bull Nose on the POL fitting is in good condition | | | |

| | | | | | |
|----|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------------|
| 2 | | Conduct leak test on BBQ gas bottle, regulator and hose. Use some soapy water in a spray bottle. Turn on the gas bottle without turning on the BBQ. Spray the entire valve, regulator and hose assembly with the soapy water. Bubbles will form if there is a gas leak and you may also smell the gas. | | | |
| 3 | | Ensure that the gas bottle does not have a leak. Place gas bottle upright and on level ground. If the gas bottle is not in use, close the valve. | | | |
| 4 | | Only authorised BBQ gas or electric to be used on campus. | | | |
| 5 | | Users should be aware that there are hot cooking surfaces. | | | |
| 6 | | Prior to moving the BBQ check for any pinch points. | | | |
| 7 | | The BBQ should be fitted with wheels to allow for easy movement. Check the weight and if required use two people to move the equipment. | | | |
| 8 | | Where fitted the piezo ignition source should be used. Alternatively a long BBQ gas lighter or long matches that conform to safety requirements. | | | |
| 9 | | Always adopt looking while cooking. Never leave food cooking unattended. | | | |
| 10 | | Ensure appropriate fire fighting equipment is near by and available such as fire blanket and fire extinguisher. | | | |
| 11 | | Ensure non combustible materials are used, such as metal container, are used to catch runoff grease and fats. | | | |
| 13 | | Ensure BBQ is cleaned before use. | | | |
| 14 | | Ensure the BBQ is routinely cleaned | | | |
| 15 | | Cylinders are required to be stored in a well ventilated space such as a cage outdoors. | | | |
| 16 | | Adopt safe food handling practices, follow food safety guidelines. | | | |
| 17 | | BBQ is to be located away from combustible materials and outdoors only. | | | |
| 18 | | Users should be familiar with BBQ operations and safety requirements. | | | |
| 1 | Administration | Check that the gas bottle isn't corroded and integrity hasn't been compromised. | | | |
| 18 | | Add a safe practices when transporting gas bottles section to current risk Assessment Do not transport a gas cylinder larger than 9kgs. Do not transport loose or laying down, always ensure the gas bottle is secure. Always keep cool and away from flames, sparks and heat. Do not leave LPG bottles in enclosed vehicles unnecessarily. Ensure valves are turned off firmly when not in use. Maximum of two bottles in enclosed vehicles . DO NOT EXCEED. | Tony Bate | 31/05/2019 | 29/05/2019 |

Attachments

File Name

Description

BBQ Gas Bottles.docx

Document outlining safe transport of gas bottles

Review and Comments