



ATM-RISK ASSESSMENT

| TASK: | Hot Works Welding | RA No: | ATMRA2020/001 | | | | |
|---|--|---------------|---------------|---|---------------|----|----|
| EQUIPMENT / MATERIALS USED | Portable Welder | | | | | | |
| PERSONS AT RISK: | PERSONS INVOLVED IN WELDING OPERATION, PERSONS IN THE VICINITY, OTHER EMPLOYEES, CONTRACTORS, VISITORS, MEMBERS OF THE PUBLIC. <small>(All operatives or teams of operatives are to ensure that the daily on-site risk assessment is completed prior to commencing any work on site)</small> | | | | | | |
| HAZARD / RISK | RISK LEVEL | | | CONTROL MEASURES | RESIDUAL RISK | | |
| | SR | LR | RL | | SR | LR | RL |
| Hot materials Burns to skin | 3 | 3 | 9 | Only competent persons to carry out welding tasks. Ensure that all persons not involved in the welding operations are removed from the immediate vicinity. PPE- Operators are to ensure that they wear fire-retardant gloves – Welding Gauntlets, laced safety footwear, welding full- face mask & fire-retardant overalls, to be fully fastened. | 3 | 2 | 6 |
| Inhalation of welding fumes Respiratory irritation | 2 | 2 | 4 | Only carry out welding operations in well ventilated areas, preferable outdoors and where required operatives, are to use air fed respirators. | 2 | 1 | 2 |
| Fire Burns, serious injury, fatality | 5 | 3 | 15 | Ensure that suitable firefighting appliances, tested and inspected within the last 12 months and are available for use during welding operations. Ensure that any combustible materials are removed from the immediate and surrounding areas where welding operations are to take place. On completion of welding operations, operatives are to ensure that any welded areas have sufficiently cooled prior to leaving site. Observe area after 1 hour from completion of hot works. | 5 | 1 | 5 |
| Noise Hearing damage | 4 | 3 | 12 | ATM have carried out a noise assessment, including measurements, for all of its powered equipment. In order to obtain relevant noise levels please refer to this assessment. During welding operations on site, adequate hearing protection is to be worn. | 4 | 2 | 8 |

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| ATMRA2020/001 | Original Author: | Rob Whamond | Date: | 01-06-2021 |
| | Reviewed By : | Dale Nelson | Next Review Date: | 01-06-2022 |
| Use the table below to calculate the severity and likelihood. (Severity X Likelihood = RISK) | | Use the table below to indicate whether the Residual Risk Rating is: | | |
| Severity of Outcome; 5 Fatality / Loss of Limb. 4 Serious Injury. 3 Moderate. 2 Minor Injuries. 1 Negligible. Likelihood of Harm; 5 Almost Certain , 4 Very Likely , 3 Fair Chance , 2 Remote, 1 Very Unlikely. | | 1 – 6 = Low Risk | | Page 1 of 2 |
| | | 7 – 11 = Medium Risk | | |
| | | 12+ = High Risk | | |



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| HAZARD / RISK | RISK LEVEL | | | CONTROL MEASURES | RESIDUAL RISK | | |
|--|------------|----|-----------|--|---------------|----|----------|
| | SR | LR | RL | | SR | LR | RL |
| Glare from arc welding Risk of eye injury and burns | 4 | 4 | 16 | Remove all non-essential personnel from the area during welding operations. All operatives involved are to wear welding specific PPE. Where possible, provide welding screens during operations in order to reduce the effect of welding glare. | 4 | 1 | 4 |
| Damage to equipment | 1 | 3 | 3 | Ensure that all welding equipment is visually inspected prior to use and is maintained by a competent person. Defective or damaged equipment shall not be used. Ensure that welding equipment is properly secured when being transported to and from site. Ensure that equipment is used in accordance with the manufacturer's instructions at all times On completion of welding operations, ensure that all welding equipment is stored away safely and correctly as to prevent the risk of injury or damage to the equipment. | 1 | 2 | 2 |

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