

RISK ASSESSMENT

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| TASK / ACTIVITY / OPERATION / LOCATION / EQUIPMENT / INDIVIDUAL / DATE(S): | COLLEGE: Easton College | DEPARTMENT/BUILDING/AREA: AgroChallenge 2026 |
| AgroChallenge, Construct Hydraulic circuit, 24 th & 25 th June Location P2 Machinery Workshop. | ASSESSOR: | Andrew Irving |
| | Date of Assessment | April 2026 |
| | Review Date: | |
| | LINE MANAGER / VP APPROVAL (Name & Date): | Mat Scott 03/06/26 |

| Hazards Associated with the Task, Activity, Operation, Location, Equipment, Individual. | Persons Affected | How Might They be Harmed | Control Measures | Severity Rating | Frequency Rating (likelihood) | Overall Risk Rating (Low, Medium or High) |
|---|---------------------------|--|---|-----------------|-------------------------------|---|
| Slips and Trips, Oil on floor, Tripping over cables | Participants and visitors | Bruises and strains | Area, to be maintained in clean condition throughout the competition. Oil absorbent granules to be available. Area to be cordoned around Equipment area, no access to other parts of the workshop. Mains Cable to be routed away from pedestrian area | 3 | 1 | 3 |
| Contact with Hydraulic oil. Failed Hydraulic hose. | Participants | Skin irritation. Eye irritation | Nitrile gloves available, Hand washing facilities available at end of trial. Safety Eye Glasses to be worn by All competitors. All hoses to be inspected prior to event. | 2 | 1 | 2 |
| Competitors impacting each other if pulling hard on hoses | Participants | Bruises | All competitors shown how to make the hydraulic connections. Supervision present to advise/intervene | 2 | 1 | 2 |

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|-------------|--------------|---------------|--|---|---|---|
| Electricity | Participants | Risk of shock | Hydraulic circuit is a training system mounted and connected on a trolley for easy maneuverability and access. Risk of shock is low and circuit has a safety feature that cuts out if connections are wrong. Students observed by staff members. | 2 | 1 | 2 |
|-------------|--------------|---------------|--|---|---|---|

| NUMERICAL ASSESSMENT | | | | OVERALL RISK FACTOR | | | | | | |
|----------------------|---------------------------------------|-------------------------------|------------|--|------------------------|----|----|----|----|---|
| Severity Rating | | Frequency Rating (likelihood) | | Overall Risk Factor = Severity x Frequency | Frequency (likelihood) | | | | | |
| | | | | | 5 | 4 | 3 | 2 | 1 | |
| 1 | No Injuries / Minor Damage | 1 | Remote | Severity | 5 | 25 | 20 | 15 | 10 | 5 |
| 2 | Single Minor Injury | 2 | Unlikely | | 4 | 20 | 16 | 12 | 8 | 4 |
| 3 | Single Major Injury / Personal Injury | 3 | Occasional | | 3 | 15 | 12 | 9 | 6 | 3 |
| 4 | Single Fatality / Major Pollution | 4 | Probable | | 2 | 10 | 8 | 6 | 4 | 2 |
| 5 | Multiple Fatalities | 5 | Frequent | | 1 | 5 | 4 | 3 | 2 | 1 |

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|---------------------|---|
| 15-25 High Risk | UNACCEPTABLE - REVISIT ACTIVITY & CONTROL MEASURES |
| 8-12 Medium Risk | REVIEW THE CONTROL MEASURES – CAN YOU IMPLEMENT FURTHER CONTROL MEASURES TO REDUCE THE RISK? IF NOT, REGULARLY REVIEW CONTROL MEASURES. |
| 1-6 Low Risk | ACCEPTABLE (Keep control measures under review). |