

Risk Assessment Report

Site: Example Site Company: The Technology Studio Risk assessment by: Mark Short

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| Task: | | Example Task | | | | |
|-----------------------------|--------------------------------------|-------------------------------------|--|---------------------|---|---------------|
| Report Identifier: | | 0d4c4c16 | | | | |
| Site: | Example Site (The Technology Studio) | | Assessor: | Mark Short | | Created Date: |
| Hazard | Who might be harmed | How might they be harmed | Existing Controls | Risk Rating (L * S) | | |
| | | | | L | S | R |
| ENV- Gases/Fumes/Vapours | Working Party | Land | <ul style="list-style-type: none"> • Medium Risk - Ensure existing controls are maintained and monitored • Emission monitoring (e.g. CEMS) • Stack height • In stack heaters • Electrostatic precipitators • SO3 injection • Ventilation of work area • Venting of storage vessels • Incineration • Adsorption • Filtration • Condensers • Wet scrubbers • Dry scrubbers • BAT • Flame arresters | 5 | 5 | 25 |
| Flying Object (ejected) | Working Party | Objects discharged by stored energy | <ul style="list-style-type: none"> • Controlled release of stored energy • Plant washed down to control the build up of dust and debris • PPE - Safety glasses to be worn (Standard BS EN 166, 1F grade) • PPE - Safety goggles to be worn (Standard BS EN 166, 1B grade) • Routine inspection and maintenance | 4 | 3 | 12 |
| Chemical | Working Party | Absorption | <ul style="list-style-type: none"> • Clean tools after use with COSHH assessed cleaning chemicals • PPE - Chemical resistant overalls to be worn (Standard BS EN 465) | 4 | 5 | 20 |

- Emission monitoring (e.g. CEMS)
- In stack heaters
- Low nox burners
- Ventilation of work area
- Incineration
- Adsorption
- Filtration
- Operating regime
- Metering to check levels

- PPE - Safety goggles to be worn (Standard BS EN 166, 1B grade)
- PPE - Safety visor to be worn (Standard BS EN 166, 1B grade)
- Robustness of guarding confirmed
- Routine inspection and maintenance
- Tolerable Risk - No further controls required

- PPE - Safety glasses to be worn (Standard BS EN 166, 1F grade)
- PPE - Respiratory protective equipment to be worn

| Hazard | Who might be harmed | How might they be harmed | Existing Controls | Risk Rating (L * S) | | | Further Controls/Actions | New Risk Rating | | |
|-------------------------|---------------------|--|--|---------------------|---|----|---|-----------------|---|---|
| | | | | L | S | R | | L | S | R |
| ENV-Odour | Lone worker | Land | <ul style="list-style-type: none"> • Use of air fresheners • Tolerable Risk - No further controls required • Process/waste/materials/sewage causing odour monitored | 4 | 4 | 16 | <ul style="list-style-type: none"> • Process/waste/materials/sewage causing odour investigated • Process/waste/materials/sewage causing odour monitored | 4 | 2 | 8 |
| Electricity | Working Party | Exposure to damaged electrical apparatus | <ul style="list-style-type: none"> • Insulation of electrical supply • PPE - Electrical Gloves (standard EN 60903) • Use of insulated tools | 2 | 3 | 6 | | 2 | 3 | 6 |
| ENV-Gases/Fumes/Vapours | Working Party | Land | <ul style="list-style-type: none"> • Electrostatic precipitators • Flue gas desulphurisation | 5 | 1 | 5 | | 5 | 1 | 5 |

| Hazard | Who might be harmed | How might they be harmed | Existing Controls | Risk Rating (L * S) | | | Further Controls/Actions | New Risk Rating | | |
|-------------------------|---|-------------------------------|---|--|---|----|---|-----------------|---|---|
| | | | | L | S | R | | L | S | R |
| ENV-Oil | Working Party | Water | <ul style="list-style-type: none">● Bunding of oil storage areas● Installation of interceptor pits● Maintenance of equipment● Spill kits located locally | 4 | 5 | 20 | <ul style="list-style-type: none">● Bunding of oil storage areas● Maintenance of equipment● Tolerable Risk - No further controls required | 1 | 2 | 2 |
| ENV-Fire | Working Party | Water | <ul style="list-style-type: none">● Site drains covered● Shut off valves | 1 | 2 | 2 | | 1 | 2 | 2 |
| Flying Object (ejected) | Working Party | Ejected objects striking body | <ul style="list-style-type: none">● Emergency eye wash bottles to be carried● PPE - Safety glasses to be worn (Standard BS EN 166, 1F grade) | 1 | 1 | 1 | | 1 | 1 | 1 |
| Key: | Likelihood 1 = Highly unlikely, 2 = Unlikely, 3 = Possible, 4 = Likely, 5 = Certain | | | Risk Rating = L X S (Likelihood X Severity) | | | Low = 1 to 4 | | | |
| | Severity 1 = No injury, 2 = Minor injury, 3 = Medical treatment, 4 = Reportable, 5 = Major injury/Fatal | | | | | | Medium = 5 to 11 | | | |
| | | | | | | | High = 12 to 25 | | | |