

Risk Assessment Report

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

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Task:		Example Task				
Report Identifier:		90d57c2a				
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

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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

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				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			