

<b>ZENITH</b>		<b>Record of Environmental Aspects &amp; Impacts</b>																
Activity, Products & Services	Aspects	Impacts (Actual & Potential)	Initial Risk = Quantity + Frequency + Controls (nil in place)					Consequence	Significance	Controls & Operational Procedures	Residual Risk = Quantity + Frequency + Control					Consequence	Significance	Regulations : legal & other
			Hazard	Quantity	Frequency	Control	Overall risk				Hazard	Quantity	Frequency	Control	Overall risk			

Powdercoating: Spraying	Release of particulate matter in air emissions	Pollution : changes to air quality	3	2	3	3	8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	3	2	2	1	5	2	30	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Respiratory &/or skin impact	2	2	3	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	1	1	4	1	8	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : discharge to land &/or water	2	2	3	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	3	1	6	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Consumption of energy	Depletion of natural resources: use of non-renewable fossil fuels	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	3	2	2	2	6	2	36	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation & emission of greenhouse gases	Global warming & climate change	2	2	3	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	2	2	6	2	24	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of waste : sludge (Scrubber water & treated lime water)	Pollution : changes to air quality	2	2	3	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	2	2	5	1	10	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : discharge to land &/or water	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	3	1	1	2	4	1	12	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Resources expended in collection & disposal: Increased need for landfill	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	3	2	2	2	6	2	36	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Depletion of natural resources	2	2	3	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	1	2	5	2	10	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012

**EM02F2 – Environmental Aspects & Impacts Record**

Reviewed 01/07/23

# DENOTES POSITIVE IMPACT

QUANTITY + FREQUENCY + CONTROL = RISK

TWC : Trade Waste Consent

HAZARD X RISK X CONSEQUENCE = SIGNIFICANCE

N.B: INITIAL RISK SCORE > 90 DENOTES SIGNIFICANT ASPECT REQUIRING IMMEDIATE ACTION

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Powdercoating: Operation of unit	Generation & emission of greenhouse gases	Pollution : changes to air quality	2	2	3	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	2	1	4	1	8	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Global warming & climate change	2	2	3	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	2	1	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Consumption of energy	Depletion of natural resources: use of non-renewable fossil fuels	2	2	3	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	1	2	5	2	20	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of noise	Pollution : noise disturbance to local area	1	1	3	3	7	1	7	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	1	3	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of heat	Pollution : changes to air quality	1	1	3	3	7	1	7	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	1	3	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
Powdercoating: Drying oven	Consumption of energy	Depletion of natural resources: use of non-renewable fossil fuels	2	3	3	3	9	3	54	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	2	2	6	3	36	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of heat	Pollution : changes to air quality	3	3	3	3	9	2	54	Waste Mgt Plan, Various SOP's & Maint. Plans	3	2	2	1	5	2	30	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of noise	Pollution : noise disturbance to local area	2	2	3	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	3	2	12	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012

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Powdercoating: Filtering & dust collection	Consumption of water	Depletion of natural resources	2	2	3	3	8	3	48	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	3	3	18	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012	
	Consumption of energy	Depletion of natural resources: use of non-renewable fossil fuels	3	3	3	3	9	3	54	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	2	2	6	2	24	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012	
	Generation of waste: solid / prescribed	Respiratory &/or skin impact		3	3	3	3	9	3	54	Waste Mgt Plan, Various SOP's & Maint. Plans	3	1	1	1	3	3	27	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : changes to air quality		3	3	3	3	9	3	54	Waste Mgt Plan, Various SOP's & Maint. Plans	3	1	1	1	3	3	27	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : discharge to land &/or water		3	2	3	3	8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	3	2	1	1	4	3	36	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Depletion of natural resources:		2	2	3	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	2	2	5	2	20	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Release of particulate matter in air emissions	Respiratory &/or skin impact		3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	3	1	1	1	3	3	27	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : discharge to land &/or water		3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	3	1	1	1	3	3	27	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012

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			Hazard	Quantity	Frequency	Control	Overall risk				Hazard	Quantity	Frequency	Control	Overall risk			

Pre-treatment of aluminium	Consumption of water	Depletion of natural resources	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	1	3	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Consumption of energy	Depletion of natural resources: use of non-renewable fossil fuels	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	2	1	5	1	5	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of heat	Pollution : changes to air quality	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	5	1	10	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Release/contamination: emissions of liquid hazardous substances (Scrubber water & treated lime water)	Pollution : discharge to land/ water	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	2	6	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Respiratory &/or skin impact	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	2	6	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
Cutting Aluminium	Generation of waste: recyclable & solid	Resources expended in collection & disposal: Increased need for landfill	2	3	2	3	8	3	48	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	2	1	5	2	20	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of noise	Pollution : noise disturbance to local area	3	3	3	3	9	2	54	Waste Mgt Plan, Various SOP's & Maint. Plans	2	3	3	1	7	2	28	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012

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Panels/fabric: purchase & storage of adhesives	Delivery & storage of adhesives	Pollution : discharge to land &/or water	3	3	3	3	9	2	54	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	1	8	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : changes to air quality	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	1	8	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Respiratory &/or skin impact	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	3	1	6	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Resources expended in collection & disposal: Increased need for landfill	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	1	2	5	2	20	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Release of chemicals: Decanting drums & spray pots	Pollution : changes to air quality	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	3	1	6	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Respiratory &/or skin impact	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	3	1	6	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : discharge to land &/or water	3	2	3	3	8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	3	1	6	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation & emission of greenhouse gases	Pollution : changes to air quality	3	1	2	3	6	2	36	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Global warming & climate change	2	1	2	3	6	2	24	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012

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Panels/fabric: application of adhesives	Release of particulate matter or fumes in air emissions	Pollution : changes to air quality	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	2	1	4	1	8	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Respiratory &/or skin impact	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	2	1	4	1	8	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : odour/disturbance to local area	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	2	1	4	1	8	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Consumption of energy	Depletion of natural resources: use of non-renewable fossil fuels	2	2	2	3	7	2	28	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation & emission of greenhouse gases	Global warming & climate change	1	2	2	3	7	2	14	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	2	4	2	8	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
Management of wall sheets, filters & excess fabric	Generation of waste : solid / prescribed	Depletion of natural resources	2	3	3	3	9	2	36	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	3	1	6	1	12	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : discharge to land &/or water	2	2	3	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	3	1	6	1	12	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Respiratory &/or skin impact	2	2	3	3	8	3	48	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	3	1	6	1	12	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Resources expended in collection & disposal: Increased need for landfill	2	2	3	3	8	3	48	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	3	1	6	2	24	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
Office consum ables :	Generation of waste: solid / non-recyclable photocopying & general printing recyclable cardboard packaging:	Resources expended in collection & disposal: Increased need for landfill	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	2	1	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012

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		Depletion of natural resources:	3	2	3	3	8	2	48	Waste Mgt Plan, Various SOP's & Maint. Plans	3	2	3	1	6	1	18	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012	
	Consumption of energy	Depletion of natural resources: use of non-renewable fossil fuels	2	3	3	3	9	2	36	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	3	1	6	1	12	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012	
	Generation & emission of greenhouse gases	Global warming & climate change	2	3	3	3	9	3	54	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	3	1	6	2	24	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012	
Office: canteen facilities	Consumption of energy	Depletion of natural resources: use of non-renewable fossil fuels	2	3	3	3	9	2	36	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	3	1	6	1	12	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012	
	Generation of waste: recyclable non-recyclable & co-mingled	Depletion of natural resources	2	3	3	3	9	2	36	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	3	1	6	1	12	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012	
		Resources expended in collection & disposal: Increased need for landfill	3	3	3	3	9	2	54	Waste Mgt Plan, Various SOP's & Maint. Plans	3	2	3	1	6	2	36	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012	
Office: air travel	Generation & emission of greenhouse gases	Global warming & climate change	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	3	2	2	1	5	2	30	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012	
Office: Cleaning	Release of cleaning chemicals	Pollution : changes to air quality	3	3	3	3		9	3	54	Waste Mgt Plan, Various SOP's & Maint. Plans	3	2	1	1	4	1	12	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : discharge to land &/or water	3	3	3	3		9	3	54	Waste Mgt Plan, Various SOP's & Maint. Plans	3	2	2	1	5	1	15	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of waste	Resources expended in collection & disposal: Increased need for landfill	2	3	3	3		9	2	36	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	2	1	4	2	8	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012

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Fire / Spill Emergency	Consumption of water	Pollution : discharge to land &/or water	3	3	2	3		8	2	48	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	2	4	2	8	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Emissions to air	Pollution : changes to air quality	3	3	2	3		8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Respiratory &/or skin impact	3	3	2	3		8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Release of water/chemicals to groundwater & soil	Depletion of natural resources	3	3	2	3		8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : visual disturbance of local area	2	3	2	3		8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of waste: solid / prescribed	Resources expended in collection & disposal: Increased need for landfill	3	3	2	3		8	2	48	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
Chemical handling & use	Release/contamination: emissions of hazardous substances	Pollution : discharge to land/ water	3	2	3	3		8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Release of particulate matter or fumes in air emissions	Pollution : changes to air quality	3	2	3	3		8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of waste: solid / prescribed	Depletion of natural resources	2	2	3	3		8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Resources expended in collection & disposal: Increased need for landfill	3	2	3	3		8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	2	2	6	2	24	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012



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	Storage/protection: multiple handling of wastes	Inadequate handling of materials can lead to increased noise, dust and vibration from transport. This may lead to loss/damage to goods & increased volumes of materials going to landfill	3	2	3	3		8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
Welding	Generation of noise	Pollution : noise disturbance to local area	3	2	2	3		7	2	42	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	2	3	6	1	6	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Consumption of energy	Depletion of natural resources: use of non-renewable fossil fuels	3	2	3	3		8	2	48	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	2	1	5	2	20	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
Assembly	Generation of waste: solid / prescribed	Pollution : discharge to land &/or water	3	2	3	3		8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Resources expended in collection & disposal: Increased need for landfill	3	3	2	3		8	2	48	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012

**EM02F2 – Environmental Aspects & Impacts Record**

Reviewed 01/07/23

# DENOTES POSITIVE IMPACT

QUANTITY + FREQUENCY + CONTROL = RISK

TWC : Trade Waste Consent

HAZARD X RISK X CONSEQUENCE = SIGNIFICANCE

N.B: INITIAL RISK SCORE > 90 DENOTES SIGNIFICANT ASPECT REQUIRING IMMEDIATE ACTION

<b>ZENITH</b>		<b>Record of Environmental Aspects &amp; Impacts</b>																
Activity, Products & Services	Aspects	Impacts (Actual & Potential)	Initial Risk = Quantity + Frequency + Controls (nil in place)					Consequence	Significance	Controls & Operational Procedures	Residual Risk = Quantity + Frequency + Control					Consequence	Significance	Regulations : legal & other
			Hazard	Quantity	Frequency	Control	Overall risk				Hazard	Quantity	Frequency	Control	Overall risk			

R&D: Supplier Selection	Generation of waste: solid / prescribed	Resources expended in collection & disposal: Increased need for landfill	3	2	2	3	7	3	63	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	1	2	5	2	20	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Product Re-use (stage of life)	Resources expended in collection & disposal: Increased need for landfill	3	2	2	3	7	3	63	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Manufacturing Processes	Depletion of natural resources: use of non-renewable fossil fuels	3	2	2	3	7	3	63	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Service life	Resources expended in collection & disposal: Increased need for landfill	3	2	2	3	7	3	63	EMP07 P Material Minimisation	2	1	1	2	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Material Selection	Respiratory &/or skin impact		3	2	2	3	7	3	63	Waste Mgt Plan, Various SOP's & Maint. Plans EMP07 P Material Minimisation	2	2	1	2	5	2	20
Depletion of natural resources: use of non-renewable fossil fuels			3	2	2	3	7	3	63	EMP07 P Material Minimisation	2	2	1	1	4	2	16	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012

<b>ZENITH</b>		<b>Record of Environmental Aspects &amp; Impacts</b>																
Activity, Products & Services	Aspects	Impacts (Actual & Potential)	Initial Risk = Quantity + Frequency + Controls (nil in place)					Consequence	Significance	Controls & Operational Procedures	Residual Risk = Quantity + Frequency + Control					Consequence	Significance	Regulations : legal & other
			Hazard	Quantity	Frequency	Control	Overall risk				Hazard	Quantity	Frequency	Control	Overall risk			

Maintenance & servicing of plant & equipment	Consumption of water	Pollution : discharge to land &/or water	2	3	2	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	1	3	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Emissions to air	Pollution : changes to air quality	3	3	2	3	8	2	48	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	1	3	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Respiratory &/or skin impact	3	3	2	3	8	2	48	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	1	3	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of waste: solid / prescribed	Resources expended in collection & disposal: Increased need for landfill	3	3	3	3	9	2	54	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	3	1	6	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Consumption of energy	Depletion of natural resources: use of non-renewable fossil fuels	3	3	3	3	9	2	54	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	3	1	6	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation & emission of greenhouse gases	Global warming & climate change	3	3	2	3	8	2	48	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	1	3	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Release of water/chemicals to groundwater & soil	Depletion of natural resources	2	3	2	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	1	3	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : visual disturbance of local area	2	3	2	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	1	3	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012

<b>ZENITH</b>		<b>Record of Environmental Aspects &amp; Impacts</b>																
Activity, Products & Services	Aspects	Impacts (Actual & Potential)	Initial Risk = Quantity + Frequency + Controls (nil in place)					Consequence	Significance	Controls & Operational Procedures	Residual Risk = Quantity + Frequency + Control					Consequence	Significance	Regulations : legal & other
			Hazard	Quantity	Frequency	Control	Overall risk				Hazard	Quantity	Frequency	Control	Overall risk			

Painting	Release/contamination: emissions of hazardous or waste substances	Pollution : changes to air quality	3	3	2	3	8	2	48	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	1	3	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Pollution : discharge to land/ water	2	3	2	3	8	2	32	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	1	3	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012

Joinery	Release of water/chemicals to groundwater & soil	Depletion of natural resources	2	2	3	3	8	3	48	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	2	4	1	4	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Respiratory &/or skin impact	3	2	3	3	8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	3	2	12	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of noise	Pollution: noise disturbance to neighbours	3	2	3	3	8	3	72	Waste Mgt Plan, Various SOP's & Maint. Plans	1	1	1	1	3	1	3	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
	Generation of waste : Solid/prescribed VOCs in air emissions	Pollution : changes to air quality	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	3	2	12	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Respiratory &/or skin impact	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	1	1	3	2	12	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Resources expended in collection & disposal Increased landfill requirements	2	2	3	3	8	3	48	Waste Mgt Plan, Various SOP's & Maint. Plans	2	1	2	2	5	2	20	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
Dust Extractor	Generation of waste: release of fumes & dust	Pollution : changes to air quality	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	2	1	5	2	20	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012

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		Respiratory &/or skin impact	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	2	1	5	2	20	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012
		Resources expended in collection & disposal Increased landfill requirements	3	3	3	3	9	3	81	Waste Mgt Plan, Various SOP's & Maint. Plans	2	2	2	1	5	2	20	EPA Act 2017, EPA Amendment Act 2018 EP Regulations 2021 DG (Storage & Handling) Regs 2012