

GREEN TASK – Student Instructions: Risk Management.

Within your assembled group, assess the refrigeration facilities risk management of MARKING, SIGNAGE, LABELING & PLACARDING. Choose only 10,5, or 0 to remain objective and consistent. Calculate the total score and percentage in the areas provided. Discuss your results with the group.

No.	Question:	Criteria for Decision			Score:	Comment:
		10	5	0		
1	Does the site have a HAZCHEM sign for Ammonia at the entrance to the property?	Good condition, visible from up to 10m, has accurate information.	Sign is faded, dirty undersized, obstructed by doors or gates or missing key information	There is no sign /not legible or incorrect.		Hazardous Substances Regulations 2017; 2.5
2	Does the engine-room possess a HAZCHEM sign on all access doors?	Signs on all doors, good condition, visible from up to 10m, has accurate information.	Sign is faded, dirty undersized, obstructed by doors or gates or missing key information	There is no sign /not legible or incorrect.		Hazardous Substances Regulations 2017; 2.5
3	Does any external pressure vessels possess HAZCHEM signage?	Good condition, visible from up to 10m, has accurate information.	Sign is faded, dirty undersized, obstructed by doors or gates or missing key information	There is no sign /not legible or incorrect.		Hazardous Substances Regulations 2017; 2.5
4	Does any remote refrigeration machinery rooms possess HAZCHEM signage?	Good condition, visible from up to 10m, has accurate information.	Sign is faded, dirty undersized, obstructed by doors or gates or missing key information	There is no sign /not legible or incorrect.		Hazardous Substances Regulations 2017; 2.5
5	Do all the HAZCHEM signs possess all the GHS pictograms?	All GHS &/or Transport Picograms on all signs	Sign is faded, dirty undersized, obstructed by doors or gates or missing key information	There is no sign /not legible or incorrect.		Hazardous Substances (Hazard Classification) Notice 2020.

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6	Does the engine-room provide plant data?	Signage is in good condition and meets all elements of the standard.	Sign is faded, dirty undersized, obstructed by doors or gates or missing key information	There is no sign /not legible or incorrect.		AS/NZS 5149.2:2016-5.4.2.2
7	Does the engine-room provide restricted access signage on all points of access?	The plant incorporates signs on all doors, good condition.	Sign is faded, dirty undersized, obstructed by doors or gates or missing key information	There is no signage /not legible.		AS/NZS 5149.3:2016-10.2 General Risk Workplace Management Regulations 2016 Regulation 7
8	Does the engine-room provide mandatory personal protective equipment signage on all access points?	The plant incorporates signs on all doors, good condition.	Sign is faded, dirty undersized, obstructed by doors or gates or missing key information	There is no signage /not legible.		General Risk Workplace Management Regulations 2016 Regulation 7
9	Does the plant provide clear definition of Critical/Emergency valves?	There are signs on all critical valves.	Key critical valves missing, faded or obstructed, missing information	No labels / signs in place.		AS/NZS 5149.2:2016-5.4.2.1 & 5.4.2.3
10	Are the refrigeration valves tagged with an identifiable code number or designation?	All valves are labelled/tagged	Not all valves are labelled/tagged	No labels / signs in place.		AS/NZS 5149.2:2016-5.4.2.1 & 5.4.2.3
11	Are pipework designation & process flows sufficiently identified with labels?	Labels on all pipe	Some labels in place, not clearly visible, faded or obstructed, does not meet the standard	No labels / signs in place.		AS/NZS 5149.2:2016-5.4.2.3 IIAR2:B14, AS1345-1995

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12	Is there a P&ID installed in the vicinity of the engine-room?	One P&ID sign inside or outside of engine-room	Sign in place, not clearly visible, faded or obstructed, needs updating	No P&ID sign		AS/NZS 5149.2:2016-5.4.3.4
13	Are the audio-visual Alarms clearly labelled?	All audio & visual alarms labelled	Some missing, Label in place, not clearly visible, faded or obstructed	No labels / signs in place.		AS/NZS 5149.2:2016-5.4.2.3
14	Are the Emergency Stop controls clearly labelled?	All internal & External E-Stop controls labelled	Label in place, not clearly visible, faded or obstructed or some missing	No labels / signs in place.		AS/NZS 5149.2:2016-5.4.2.1
15	Are the Ventilation controls clearly labelled?	All internal & External ventilation controls labelled	Label in place, not clearly visible, faded or obstructed or some missing	No labels / signs in place.		AS/NZS 5149.2:2016-5.4.2.3
16	Is there Emergency exit signage in place & illuminated?	All Emergency egress doors possess illuminated signs and are functional	Not all, egress is not illuminated or not easily identified.	No signage		Building Regulation F8.2
17	Are all windsocks visible from all lines of sight?	All windsocks visible & Illuminated	Not all lines of sight covered or not visible in low light conditions	No windsocks in place		Hazardous Substances Regulations 2017; 5.7.3 (ii)

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18	Are all assembly areas Placarded?	All areas clearly identified	Sign(s) are faded, dirty undersized, not visible from distance or not clear	No sign(s)		Hazardous Substances Regulations 2017; 5.7.3 (ii)
19	Is the Emergency irrigation clearly labelled and identified?	Shower & Facewash clearly identified	Sign(s) is faded, dirty undersized, not visible from distance or night, not clear.	No sign(s) or Shower too far from engine-room		AS/NZS 5149.3:2016 – 5.14.2.2 AS 4775—2007
20	Are Safety Data Sheets available near the Engine-rooms?	SDS clearly marked in sealed box or cabinet	SDS not readily available or is out of date	No SDS		Hazardous Substances Regulations 2017; 2.11
21	Is the Ammonia pipework coloured to a specified standard or key?	Coloured to “TWINE” “YELLOW OCHRE” or LEGEND AVAILABLE	Majority of pipework uniform system requires touch up or uniformity	Pipework has no clear uniform colour or key		AS/NZS 5149.2:2016- 5.4.2.3
22	Is there an internal system in place to monitor the condition and effectiveness of the signage and labelling?					Hazardous Substances Regulations 2017; 2.10
MARKING, SIGNAGE, LABELING & PLACARDING RISK MANAGEMENT SCORE:		Out of possible:		220	Calculated Total	Percentage = Calculated/220 x100
		High Standard		80 – 100%		
		Moderate Standard		60 – 79%		
		Low Standard		0 – 59%		