



REPUBLIC OF TRINIDAD AND TOBAGO
Ministry of Energy and Energy Affairs

Aboveground Hydrocarbons Storage Tanks (Horizontal) Inspection Checklist

This checklist is to be used as guideline for the inspection of horizontal aboveground tanks used for the storage of diesel, kerosene, bunker fuel, jet A1 fuel, etc.. It outlines the minimum requirements for inspection. Additional requirements may be considered depending on the uniqueness of the system. The checklist is not be used for underground and upright cylindrical storage tanks installed on the ground.

1. Inspection Particulars

Owner of Storage Facility:					
Storage Facility Address:					
Inspection Date:					
Last Inspection Date:					
Inspection Officer/s:					
Company Representative/s:					
Use of Storage:					
Type of Inspection:	<input type="checkbox"/> Site Assessment <input type="checkbox"/> Pre-commissioning <input type="checkbox"/> In-service				
Storage Details:					
Tank #	Capacity (Gals)	Material of Construction	Wall Type (Single/ Double)	Manufacture Date (mm/yy)	Location (Outside/ Room/ Roof/ Cellar)
<input type="checkbox"/> 1					
<input type="checkbox"/> 2					
<input type="checkbox"/> 3					
<input type="checkbox"/> 4					
<input type="checkbox"/> 5					
Other Information:					

2. Inspection Checklist

Tick as appropriate. A tick in the shaded region must be accompanied by a comment.

Legend: Y – Yes N – No NA – Not Applicable

		Y	N	NA	Comments
A. Document and Records					
1.	Does the facility have a MEEA valid approval for storage of hydrocarbons?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Does the facility have a valid Fire Service Division approval? <i>Note: valid for a period of two years.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Is there a Site Plan and does it conform to the as built facility?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Is there an Emergency Response Plan (ERP) which includes but not limited to the following: <ul style="list-style-type: none"> Procedures in case of fires such as notification of fire department, evacuating personnel and controlling and extinguishing the fire; Appointment and training of persons to carry out fire safety duties; Maintenance of fire protection equipment; Conducting fire drills; Shutdown or isolation of equipment to control intentional releases; Alternating measures for the safety of personnel while any fire protection equipment is shut down; Emergency contact numbers. 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Is the ERP readily available?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Is the ERP periodically reviewed and signed off by senior management?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Are there Standard Operating Procedures (SOPs) available which addresses as a minimum: <ul style="list-style-type: none"> Filling of storage tank; Dispensing of fuel; Maintenance of tank and fire fighting equipment. 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Is the Material Safety Data Sheets (MSDS) available for the product/s stored?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Is a hydrotest/ pressure test certificate available for the tank and underground piping, prior to placing the system into service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	If provided, is calibration chart/ gauging rod available and acceptable?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

B. Location																						
1.	Are the minimum safety separation distances tabulated below, of the tanks from property lines, public ways and important buildings, observed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																		
	<table border="1"> <thead> <tr> <th rowspan="2">Tank Capacity (gal)</th> <th colspan="2">Minimum Distance (ft)</th> </tr> <tr> <th>From Property Line that Is or Can Be Built Upon, Including the Opposite Side of a Public Way</th> <th>From Nearest Side of any Public Way or from Nearest Important Building on the Same Property</th> </tr> </thead> <tbody> <tr> <td>275 or less</td> <td>5</td> <td>5</td> </tr> <tr> <td>276 to 750</td> <td>10</td> <td>5</td> </tr> <tr> <td>751 to 12,000</td> <td>15</td> <td>5</td> </tr> <tr> <td>12,001 to 30,000</td> <td>20</td> <td>5</td> </tr> </tbody> </table>	Tank Capacity (gal)	Minimum Distance (ft)		From Property Line that Is or Can Be Built Upon, Including the Opposite Side of a Public Way	From Nearest Side of any Public Way or from Nearest Important Building on the Same Property	275 or less	5	5	276 to 750	10	5	751 to 12,000	15	5	12,001 to 30,000	20	5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Tank Capacity (gal)	Minimum Distance (ft)																					
	From Property Line that Is or Can Be Built Upon, Including the Opposite Side of a Public Way	From Nearest Side of any Public Way or from Nearest Important Building on the Same Property																				
275 or less	5	5																				
276 to 750	10	5																				
751 to 12,000	15	5																				
12,001 to 30,000	20	5																				
2.	Is the shell to shell spacing between tanks ½ the diameter of the larger tank and not less than 3 ft. for maintenance?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																		
3.	Is a minimum separation distance of 20 ft. between the tank (>660 USG) and LPG containers provided (>125 USG)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																		

		Y	N	NA	Comments
4.	Is a minimum separation distance of 3 ft. provided between the centreline of the tank (if >660 USG) secondary containment wall and any LPG container's shell (if >125 USG)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Are ignition sources at least 10 ft away from the storage area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Are crash barriers provided to protect against vehicular collision, where possible?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Is protection against floatation (i.e. anchoring) provided in areas that are flood prone?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Is the area free of slope failure?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Is a pathway maintained to facilitate emergency response, personnel movement and RTW access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Is the area around the tank kept free of overgrown vegetation, combustibles, trash, etc?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Is the storage, dispensing, use, and handling areas secured against unauthorised entry and safeguarded with such protective facilities as public safety requires?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Is at least one 20BC portable fire extinguisher (or as recommended by FSD) provided near and within sight of the installation? <i>Check: FE is free of corrosion, installed on hanger, annual inspection, monthly checks, charge, condition of nozzle, etc.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Is the facility designed and operated to prevent the discharge of flammable or combustible liquids to public waterways, public sewers, or adjoining property under normal operating conditions?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14.	Is the tank located away from overhead electrical wires? <i>Note: Potential electrocution hazard whilst gauging.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
15.	Is the tank located away from potential dropped object hazards? <i>Check: overhead trees,</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

C. Signs and Notices					
1.	Are the following signs conspicuously displayed on the tank: <i>Note: Letters should be min. 150mm in height X 52mm in width, painted red on a white background and observable from a distance of 15 ft.</i>				
	(a) Type of product?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(b) Tank capacity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(c) No Smoking?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Is a "Switch Off Engine While Filling" sign, where applicable displayed near the dispensing area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Is a name plate installed on the tank and provided with the following information:				
	(a) Manufacturer's name?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(b) Date of manufacture?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(c) Serial number?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(d) Size of tank?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Is a "Keep Valve Closed When Unattended" sign, or equivalent, provided next to the secondary containment bleed valve?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Are piping labelled to show identity (e.g. suction, fill, etc.) and direction of flow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

		Y	N	NA	Comments
6.	Are ESD switches labelled and readily accessible? <i>Note: for generators, pumps, etc.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

D. Secondary Containment					
1.	Is secondary containment, 110% the capacity of the largest tank provided? <i>Verify by measurement and calculation.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Are the walls of the secondary containment free of cracks, holes and other breaches?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Do all parts of the tank, its piping connections and remote fill connection, if applicable, fall within the plane of the secondary containment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Are the base and walls of the secondary containment impermeable? <i>Note concrete blocks should be filled and reinforced with steel.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Is a lockable metallic bleed valve provided outside the bund?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Is the bleed valve in an acceptable condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Do all liquids drain towards the secondary containment valve?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Is the secondary containment free of the storage of combustible materials, empty drums, full drums, barrels, pollution, etc.?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

E. Tank and Support					
1.	Is the tank constructed of structural grade carbon steel? <i>Galvanised steel, plastic materials, cast steel are not recommended.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Is the tank appropriately colour coded? <i>Check: diesel – gray and kerosene – blue. Paint should be reflective and light coloured.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Is the tank in an acceptable condition? <i>Check for corrosion, leaks, indentations, etc.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Is the tank support adequately designed according to engineering standard? <i>Check: it should be resting on the ground or on foundation made of concrete, masonry, piling or steel</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Is the tank supported in a manner that prevents excessive concentration of loads on the supported portion of the shell?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Is the tank foundation designed to minimise the possibility of uneven settling of tank and corrosion to the part of the tank settling on the ground?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Are the steel support structures or exposed piling protected by materials having a fire resistance rating of at least 2 hours?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Are the legs of the tank supports not buried?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Is the tank support in an acceptable condition? <i>Check: free of deformation, corrosion, etc.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Is the tank adequately electrically earthed? <i>Check: correct wire rating</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Is an acceptable means of level determination provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Level Gauge <input type="checkbox"/> Calibrated Tank <input type="checkbox"/> Calibrated Gauging Rod
12.	If installed, is the level gauge:			<input type="checkbox"/>	
	(a) material compatible with the fuel stored?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(b) fitted with lockable valves at top and bottom?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

		Y	N	NA	Comments
	(c) in a good condition? <i>Check: opaqueness, cuts, unsecured, etc.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13.	If provided, is the calibrated gauging rod in good condition? <i>Check: free of bends and damage, ideal length for tank, etc.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
14.	If the tank is used to fuel vehicles, is the volume less than 12,000 USG?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

F. Access Ladder/ Stairway					
1.	Is an access ladder/stairway provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Is the ladder/ stairway:			<input type="checkbox"/>	
	(a) accessible from outside the secondary containment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(b) rungs/ treads adequately spaced?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(c) properly secured to the tank?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(d) rungs/ treads provided with antiskid material?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(e) if sloping, provided with handrails on at least one side?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(f) in an acceptable condition <i>Check: damage, fuel on rungs, etc.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Is a gauging platform provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Is the gauging platform provided with handrails (min. 42" high with intermediate rails) on at least one side?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Is access from the stairway to the gauging platform safe?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

G. Piping and Connections					
1.	Are all piping connections (except bleed valve) above the maximum liquid level?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Are all piping and connections of compatible material? <i>Note: Should be Sch. 40 Carbon or Black Steel</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Is piping adequately supported to protect against excessive vibration?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Is piping to and from the tank through which liquid can flow, provided with valves located as close as practical to the shell?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Are all openings other than vents provided with vapour tight caps or covers?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Does the fill piping enter above the maximum liquid height, extend within 6" off the base of the tank and provided with anti-siphon protection (e.g. slotted pipe after entry)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Is piping below the maximum liquid level (e.g. bleed) provided with a liquid tight closure such as a valve, plug, or blind, or a combination of these?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Is the vent:				
	(a) outlet protected to minimize the possibility of blockage from weather, dirt, or insect nests?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(b) free of kinks and bends that would lead to accumulation of fluids?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(c) size a minimum diameter of the size of the largest filling or withdrawal connection but in no case less than 1.25 in. (32mm) internal diameter?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(d) installed so that vapours are not trapped by eaves and other obstructions?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(e) outlets at least 5 ft. (1.5 m) from building openings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

		Y	N	NA	Comments
	(doors, windows, ventilation blocks, etc.) and property lines and at least 15 ft. (4.5 m) from powered ventilation air intake devices?				
	(f) located away from the gauging hatch?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9.	If installed, is underground piping:			<input type="checkbox"/>	
	(a) provided with secondary containment and leak detection?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(b) protected from aboveground loading? <i>Note: at least 6" cover of well compacted bedding material should be provided. If vehicles traverse, at least 18" cover and pavement should be provided.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(c) protected against corrosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(d) spaced by at least two pipe diameters from other pipe in the same trench?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	If installed, is remote fill piping:				
	(a) connection installed inside the secondary containment or provided with secondary containment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(b) provided with an isolation or check valve if back flow is possible?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Are isolation valves painted in a contrasting colour to the piping for ease of identification?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Is the strainer (if provided), in safe location that permits access for maintenance.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Are piping, valves and connections in good condition?				

H. Double-walled Tanks (additional requirements)					
1.	Is the outer tank constructed of steel?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Is the outer tank in an acceptable condition? <i>Check: corrosion, indentations, 100% enclosure, etc.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Is a means of monitoring leaks in the interstitial space provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> Sensor <input type="checkbox"/> View Glass <input type="checkbox"/> Other
4.	Is each compartment of the interstitial space provided with independent venting?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

I. Storage Inside Buildings (additional requirements)					
1.	Is the filling connection:				
	(a) located outside the building at a safe distance (>5 ft.) away from any source of ignition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(b) located not less than 5 ft. away from any building opening?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(c) closed tight and protected against tampering when not in use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(d) identified by labelling?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Is the vent:				
	(a) routed to the outside of the building?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(b) outlet at least 12 ft above grade level?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(c) outlet discharging upward or horizontally away from building walls?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Are means provided to prevent overspill of the tank during filling?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Are buildings walls and floor constructed of material that will maintain their structural integrity under fire exposure for two	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

		Y	N	NA	Comments
	hours?				
5.	Are smoke detectors or equivalent provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Is a corridor of minimum width 3 ft. maintained to facilitate access to the room for personnel and fire protection equipment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Is a clear space of at least 3 ft maintained between the top of each tank and the building structure?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Are openings to adjacent rooms or buildings provided with noncombustible, liquidtight raised sills or ramps at least 4 inches in height or otherwise designed to prevent the flow of liquids to the adjoining areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Is the floor (except for drains) and walls (where they join the floor) and for at least 4 in. above the floor, impermeable?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Are electrical fittings/ equipment in the room suitable for the class?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Is the room free of combustible materials and empty or full drums or barrels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Where the room is constructed of combustible materials, is an automatic sprinkler (with metallic piping), or equivalent fixed fire protection system provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Are combustible waste material and residues in operating areas stored in covered metal containers, and disposed of daily?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

J. Storage on roofs (additional requirements)					
1.	Is the filling connection:				
	(a) located off the side of the building at a safe distance (>5 ft.) away from any source of ignition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(b) located not less than 5 ft (1.5 m) away from any building opening?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(c) closed tight and protected against tampering when not in use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(d) identified by labelling?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Are means provided to prevent overspill of the tank during filling?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Is the floor of sufficient strength to support the tank when filled to maximum capacity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Is the floor constructed of material that will maintain its structural integrity under fire exposure for two hours?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Are openings to adjacent rooms or buildings provided with noncombustible, liquidtight raised sills or ramps at least 4 in. (100 mm) in height or otherwise designed to prevent the flow of liquids to the adjoining areas?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Is the floor (except for drains) and walls where they join the floor and for at least 4 in. above the floor, impermeable?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Is the area free of combustible materials and empty or full drums or barrels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Are combustible waste material and residues in operating areas kept to a minimum, stored in covered metal containers, and disposed of daily?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Are electrical in the area suitable for the intended class? <i>Check: switches, electrical wires, etc.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Is a safe means of access provided to facilitate personnel involved in maintenance and emergency response?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

		Y	N	NA	Comments
K. Pumps, Dispensers & Hoses					
1.	Is the pump:				
	(a) rated for the intended service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(b) safely located? <i>Check area classification</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(c) free of leaks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(d) provided with remote shut off?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(e) controls labelled?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Is the dispenser:				
	(a) face glasses in place?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(b) provided with ID lamps?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(c) areas free of excess spillages?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(d) panels satisfactorily in place and secured?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(e) safely located?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(f) on a concrete island (plinth) above the grade level and bolted in place? <i>Should be at least 150mm high.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(g) protected from damage by vehicular collision?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(h) provided with controls that permit the pump to operate only when a dispensing nozzle is removed from its bracket or normal position? <i>Note: This control should also stop the pump when nozzles are returned to their storage position.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(i) in good condition? <i>Check corrosion, damage, tampering, etc.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	(j) emergency shutdown switches or circuit breakers at a remote location?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Are hoses and nozzles approved for the intended service?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Are hoses in good condition? <i>Check for kinks, flattened areas, leaks, insulation damage, etc.</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Are nozzles in good condition?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Are 'latch-open' devices not provided on hoses' nozzles?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

L. Generators					
1.	Is the generator located in a well-ventilated area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Is the generator not near doors, vents or open windows leading into the building?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Is the exhaust away from powered air intake devices, windows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Is the generator properly grounded?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Is the generator shielded from contact with liquid?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Are electrical wires free of punctures and not exposed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Is the day tank labelled to show content and capacity?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Are no smoking and electric shock hazard signs provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Are shut down and reset switches labelled?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Are fire suppression agent (where installed) warning signs provided on access doors?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Is a "Danger, Automatic Start" sign provided?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

