



Singapore Port Facility Marine Inspection Checklist

<https://marineinspection.app/>

Inspector Name: _____ Date: _____
Signature: _____

Electrical & Power Infrastructure

Sr No.	Inspection Item	Good	Repair	Replace	NA
1	High-voltage substations inspected and secured	■	■	■	■
2	Backup generators tested and functional	■	■	■	■
3	Cable trays and wiring free from damage or overheating	■	■	■	■
4	Grounding systems verified and documented	■	■	■	■
5	Power outage contingency procedures documented	■	■	■	■

Fueling Stations & Maintenance Bays

Sr No.	Inspection Item	Good	Repair	Replace	NA
6	Fuel storage tanks inspected for leaks or corrosion	■	■	■	■
7	Spill containment systems available and functional	■	■	■	■
8	Maintenance pits clean and hazard-free	■	■	■	■
9	Fire extinguishers present in fueling areas	■	■	■	■
10	Number of fueling station deficiencies noted	■	■	■	■

Port Sanitation & Hygiene Facilities

Sr No.	Inspection Item	Good	Repair	Replace	NA
11	Restrooms and worker facilities clean and maintained	■	■	■	■
12	Potable water supply tested and compliant	■	■	■	■
13	Sanitation stations stocked with hygiene supplies	■	■	■	■
14	Food service areas compliant with health regulations	■	■	■	■
15	Sanitation inspection remarks	■	■	■	■

Quay Cranes & STS Equipment

Sr No.	Inspection Item	Good	Repair	Replace	NA
16	STS cranes structural components free from cracks or excessive corrosion	■	■	■	■
17	Spreader mechanisms tested and fully operational	■	■	■	■
18	Wire ropes, sheaves and hoisting systems inspected	■	■	■	■
19	Limit switches and overload protection systems functional	■	■	■	■
20	Number of outstanding crane defects recorded	■	■	■	■

RTG, RMG & Yard Handling Equipment

Sr No.	Inspection Item	Good	Repair	Replace	NA
21	RTG/RMG gantry structures inspected and serviceable	■	■	■	■
22	Wheel assemblies and rail tracks in acceptable condition	■	■	■	■
23	Anti-collision and positioning systems operational	■	■	■	■
24	Hydraulic systems leak-free and maintained	■	■	■	■
25	Equipment maintenance logs updated	■	■	■	■

Regulatory Compliance & Inspection Records

Sr No.	Inspection Item	Good	Repair	Replace	NA
26	Port authority inspection records up to date	■	■	■	■
27	National maritime and labor compliance verified	■	■	■	■
28	Equipment certification records available	■	■	■	■
29	Third-party audit reports available for review	■	■	■	■
30	Regulatory audit reports reviewed and corrective actions tracked	■	■	■	■

Stormwater & Environmental Protection

Sr No.	Inspection Item	Good	Repair	Replace	NA
31	Stormwater drainage systems clear and functional	■	■	■	■
32	Runoff containment barriers intact	■	■	■	■
33	Air quality monitoring systems operational	■	■	■	■
34	Noise control measures implemented in high-traffic areas	■	■	■	■
35	Environmental audit findings recorded	■	■	■	■

Terminal Trucks & Mobile Equipment

Sr No.	Inspection Item	Good	Repair	Replace	NA
36	Terminal tractors mechanically sound and inspected	■	■	■	■
37	Brake systems and steering tested and functional	■	■	■	■
38	Emission systems compliant with 2026 environmental standards	■	■	■	■
39	Lighting and warning systems operational	■	■	■	■
40	Daily inspection records completed by operators	■	■	■	■

Waste Management & Hazardous Disposal

Sr No.	Inspection Item	Good	Repair	Replace	NA
41	Waste segregation procedures implemented	■	■	■	■
42	Hazardous waste storage areas properly labeled and secured	■	■	■	■
43	Waste disposal contractors certified and documented	■	■	■	■
44	Oil and chemical spill kits available and accessible	■	■	■	■
45	Hazardous waste disposal log updated	■	■	■	■

Worker Safety & PPE Compliance

Sr No.	Inspection Item	Good	Repair	Replace	NA
46	Workers equipped with required PPE (helmets, vests, gloves)	■	■	■	■
47	Safety signage visible and compliant	■	■	■	■
48	Fall protection systems in place where required	■	■	■	■
49	Emergency assembly points clearly marked	■	■	■	■
50	Safety training attendance records available	■	■	■	■