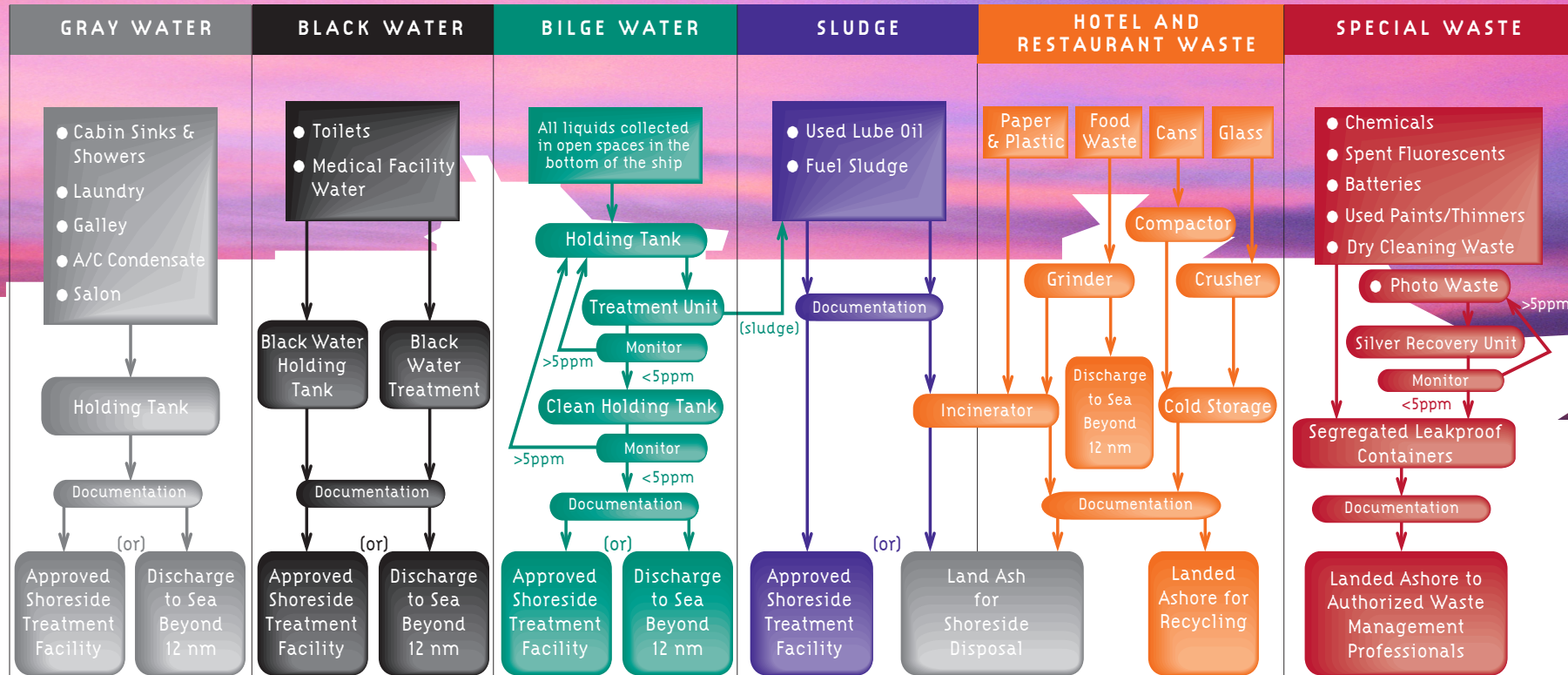


WASTE STREAM OPERATIONAL CONTROLS



CORPORATE POLICY	Discharge beyond 12 nm with ship's speed > 6 knots or land for treatment by shore facility. Exception: Discharge between 4 - 12 nm on restrictive itineraries, or anywhere for emergencies.	Physical removal of plastics & other debris; land remainder for treatment by shore facility or discharge beyond 12 nm with ship's speed > 6 knots. Exception: Discharge between 4 - 12 nm on restrictive itineraries, or anywhere for emergencies. Untreated, discharged beyond 12nm on restrictive itineraries.	Discharge if beyond 12 nm and effluent < 5 parts per million (ppm) oil.	Incinerate onboard or land for treatment and recycling by shore facility.	Collect and sort at source of generation. Generally, food waste is incinerated onboard with the incinerator ash landed ashore. Food waste may also be landed. Exception: Discharge food waste and ash outside 12 nm based on technology & equipment limitations. In unusual circumstances, could be discharged between 4-12 nm.	Land only in designated ports to authorized hazardous waste professionals. Corporate requires shore facility visits or audits. Exception: Can be landed as non-hazardous waste if waste is treated onboard to below regulatory limits.
REGULATORY STANDARDS	Local	Treated, discharged beyond 4 nm.	< 15 ppm, discharged while underway.	Land for disposal.	Except for plastics, discharge outside 4,12, or 25 nm.	U.S. and International
ABOVE & BEYOND COMPLIANCE	Yes	Yes	Yes	Equal	Yes	Equal
NOTES	87% of waste stream flow is from cabin showers and sinks.	All liquid waste from the Medical Facility is treated in the black water system.	Shoreside facilities treat the sludge so that it can be used in asphalt or as an alternative fuel source.		The waste management process ensures batteries, tin & aluminum cans and color separated glass are landed for recycling.	Special waste is landed only to corporate-approved waste management firms in ports worldwide.

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nm = nautical miles