



GUIDANCE for Green Award Ship Recycling requirements (Annex 3: Oil Tanker version 11, Bulk Carrier version 11 and LNG Carrier version 1.1)

Item	SHIP - Inventory of Hazardous Materials
5900.10	<p>"Green Passport" is used in the first IMO Guidelines on Ship Recycling. In the new IMO Convention* the Green Passport is called "Inventory of Hazardous Materials." The Inventory Part I lists hazardous materials** (potentially) contained in equipment / systems / areas onboard.</p> <p>* IMO Ship Recycling Convention (adopted by IMO in 2009 - still to enter into force) ** Hazardous materials are listed in Table A & Table B - Appendix 1 -IHM Guidelines</p>
5900.11	<p>Development of the Inventory Part I according to IHM Guidelines (5 steps)</p> <ul style="list-style-type: none"> - Step 1 Collection of information - for example, maintenance/repair documents, ship's drawings, product information data, etc to assess whether hazardous materials are present in equipment / systems / areas onboard - Step 2 Assessment of collected information (equipment/systems/areas onboard assumed to contain hazardous materials listed in Table A & B (as far as practicable)* should be included in assessment) - Step 3 Preparation of visual / sampling check plan (to confirm presence of hazardous materials) - Step 4 Onboard visual/sampling check according to above plan - Step 5 Preparation of Inventory Part I – the visual / sampling check shows the estimated quantity of hazardous material in equipment/systems/areas onboard (or if check is not possible, equipment, etc is listed as <i>potentially containing hazardous material</i>); The Inventory Part I is developed using results from the visual/sampling check.) <p>* Hazardous materials are listed in Table A & Table B - Appendix 1 - IHM Guidelines</p>
5900.3	As for 5900.11

Item	OFFICE - Inventory of Hazardous Materials - NEWBUILDINGS
5900.1	<p>The Inventory Part I lists hazardous materials* contained in the ship's structure & equipment. * hazardous materials are listed in Table A and Table B - Appendix 1 - IHM Guidelines</p>
5900.12	<p>The Material Declaration* from suppliers should identify whether certain hazardous materials are present above threshold levels in the ships structure & equipment. Those present above threshold levels** should be listed in Inventory Part I.</p> <p>* Example of material declaration → See Appendix 6, IHM Guidelines ** List of materials and threshold levels → See Table A & B - Appendix 1 - IHM Guidelines</p>
5900.2	<p>Information from suppliers on safe removal of hazardous materials is intended to assist with recycling and also when equipment needs to be dismantled for maintenance or repair. It should be kept with the ship.</p>

Item	OFFICE - Inventory of Hazardous Materials - EXISTING SHIPS
5900.10	See SHIP 5900.10
5900.13	See SHIP 5900.11
5900.3	As above (5900.13)



Item	OFFICE - Policy for ships due to be recycled
5910.1	Direct sale from company to SRF is only an option for a limited number of companies as it requires sufficient in-house capacity to deal with the process. A company selling direct is also likely to invest in ensuring that the SRF will recycle the ship in a safe & environmentally responsible manner.
5910.2	<p>Company audit should check the SRF meets requirements in the IMO Convention. (See brief overview below)</p> <ul style="list-style-type: none"> - HSE policy (& objectives) for protection of workers' health and safety and the environment should be available - System to implement above company HSE objectives & also requirements from the IMO Convention should be in place (e.g. procedures to ensure Gas-Free for Hot Work conditions are maintained during ship recycling; procedures for safe entry to enclosed spaces; procedures for safe & environmentally sound removal of hazardous materials & wastes from the ship) - Employee training / Emergency response plan / Provision of PPE - Identification of roles & responsibilities - Monitoring of performance / Reporting of HSE incidents to a "competent authority" (governmental authority or authority designated by flag state & responsible for duties related to ship recycling facilities)
5910.3	"Contract of sale" with cash buyer includes the obligation for the cash buyer to check that the Recycling Facility meets requirements in the IMO Convention (See above, 5910.2)
5910.4	<p>Ship Recycling Plan should follow IMO guidelines (MEPC/Circ.419.) The plan should include (but is not limited to) methods & procedures to:</p> <ul style="list-style-type: none"> - Manage (potentially) hazardous materials → identification, removal, disposal, etc. - Protect H&S of workers at the recycling facility (e.g. procedures for welding & cutting including PPE, exposure monitoring for lead, mercury, & other hazardous materials, procedures for enclosed/confined spaces, fire prevention & protection, employee emergency plans, etc) - Protect the environment (e.g. procedures to manage hazardous materials, the Site's spill prevention/response plan, permits/approvals issued from environmental agencies) - Recycle the ship (e.g. handling procedures for HM during the cutting process, the arrangement of the SRF & how production flow will take place, work to be completed <u>before, at & after</u> the ship arrives at the SRF - e.g. if pre-cleaning/removal of materials takes place prior to the ship's arrival at SRF)
5910.5	Final Survey should verify that the Inventory (Part I, II & III) complies with IMO guidelines - Guidelines for the development of the Inventory of Hazardous Materials, Res.MEPC179(59)
5910.6	See reference
5910.7	See reference



Reference per item	
Item	SHIP - Inventory of hazardous materials
5900.10	IMO Guidelines 5. & 7. / SR Convention reg. 5. / IHM Guidelines 3. & 4.
5900.11	IHM Guidelines 4.2 & Appendix 5
5900.3	As above
Item	OFFICE - Inventory of hazardous materials
5900.1	SR Convention reg.5 / IHM Guidelines 4.1
5900.12	IHM Guidelines, 4.1 & 6.0, Table A & B (Appendix 1), Part I of Inventory (See Appendix 2)
5900.2	IMO Guidelines 6.2
5900.10	IMO Guidelines 5. & 7. / SR Convention reg. 5. / IHM Guidelines 3. & 4.
5900.13	IHM Guidelines, 4.2 & Appendix 5
5900.3	See above
Item	OFFICE - Policy for ships due to be recycled
5910.1	ICS Guidelines
5910.2	SR Convention, Ch.3 - ICS Guidelines
5910.3	ICS Guidelines
5910.4	SR Plan Guidelines - ICS Guidelines
5910.5	SR Convention reg. 5.4 & 10.4 / IHM Guidelines 4.2 & Appendix 5
5910.6	IMO Guidelines Section 8.3.4 * More information on preparation of a ship for recycling can be found in section 8.3
5910.7	As above (5910.6)

Abbreviations	
SRF	Ship Recycling Facility
PPE	Personal Protective Equipment
H&S (HSE)	Health & Safety (Health, Safety and Environment)
IHM Guidelines	Guidelines for the development of the Inventory of Hazardous Materials, Res. MEPC 179(59)
IMO Guidelines	IMO Guidelines on Ship Recycling (Res A. 962(23))
SR Convention	Hong Kong International Convention for the Safe and Environmentally Sound Recycling of Ships, 2009
SR Plan Guidelines	MEPC/Circ.419 - Guidelines for development of the ship recycling plan
ICS Guidelines	Guidelines on Transitional Measures for Shipowners Selling Ships for Recycling, ICS, with current members including BIMCO, IACS, INTERCARGO, IPTA, OCIMF and ITF (see www.marisec.org/FreeResources/SellingShipsForRecycling)