

Waste and substances that may be inherent in the ship's structure or on board the ship

INFORMATION TO SUPPLIERS AND THEIRS SUB SUPPLIERS ON NEW BUILDING 209 AND 210 AT AKER YARDS LANGSTEN

Metizoft AS has been awarded the task by Aker Yards Langsten to get new buildings 209 and 210 "Green Passport certified". You will find more information about what "Green Passport" is and a form that that your company or yours sub suppliers will have to complete.

In December 2003 came UN shipping organisation (International Maritime Organisation (IMO)) up with guidelines for ship recycling, this guidelines was laid down in Resolution A.962.(23). The schedule for this is that it will be ratified as a convention in 2008/2009. There are two main purposes with this set of rules. The first reason is to make a document which will protect the workers and the environment at the ship recycling facilities, ship recycling is today mainly carried out in developing countries. The second reason with this resolution is to give crew and passengers a safer and better environment, under this point will of course also the global environment be covered. The "Green Passport Certificate" will follow the vessel from "the slipway to the tomb". With other words is the idea that the vessel will be designed and constructed as "green" as possible. In the other end shall the ship recycling facilities be aware of what kind of dangerous materials, where it is located and what quantity they will find onboard, when they start the dismantling of the ship.

The class company DNV has from 1. January 2006 inducted that all new buildings which will have "Clean", Clean Design" or both class notifications must be provided with this "Green Passport Certificate" (GP). New buildings 209 and 210 are covered by these class rules, in practise will that mean that all dangerous materials onboard these two vessels shall be identified, located and quantified.

Please fill in articlenumber and componentdescription on page 2 if this is available/relevant. If you fill in articlenumber and componentdescription this time, you will next time receive a completed filled in form based on information supplied earlier.

On the next pages will you find a form which your company must fill in on all components that have been delivered or will be delivered to new building 209 and 210. There are also attached some appendixes which will help you with the GP form. All yellow fields must be filled out.

This "Green Passport Declaration" must be returned as soon as possible to:

aylnb209-210@metizoft.com

Metizoft AS
Rådhusgate 4
6099 Fosnavåg

Mobile: + 47 926 24202
Mobile: + 47 418 07002

Dokument nr: 427

Supplier / Company information:			
Company name:	VEAB Heat Tech Ab	Phone:	+460451 48500
Company Adreess:	Box 265 SE-281 23 Hässleholm	Web:	www.veab.com
Contact person:	Mikael Isaksson	Dir. phone:	+46 451 48512
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ATTENTION !

All items your company is supplying Aker Yards Langstein with shall contain a complete filled out "Green Passport declaration". All yellow column shall be filled out for each product delivered, if the items do not contain any of these waste and substances you fill in zero in the yellow column.

This "Green Passport Form" must be returned to email: avlnb209-210@metizoft.com

New building number:	209	Ordernumber:	66249	Article no:	
SFI number:	891	Orderline number:	4	Tagno	GBR05507
Location:		Yards componentdeclaration:	FRICO ELV63445 6KW 400/440V		
		Suppliers componentdeclaration			
Frame number		Zone:			

Code	Description	Example	Quantity	Unit	Sorting
A1	Metal and metal-bearing wastes				
A1010	Metal wastes and waste consisting of alloys of the following:				
	Antimony *	Semiconductors, flame-proofing compounds, Alloys with lead in lead-acid storage batteries,	0,00	Kg	A1010Sb51
	Arsenic *	See A1030 Arsenic compounds	0,00	Kg	A1010As33
	Beryllium *	Hardening agent in alloys, communication and navigational systems. X-ray	0,00	Kg	A1010Be4
	Cadmium *	Bearings and in semiconductors	0,00	Kg	A1010Cd48
	Lead	Connectors, high voltage power cables lead acid battery and couplings	0,00	Kg	A1010Pb82
	Mercury	Thermometers, bearing pressure sensors	0,00	Kg	A1010Hg80
	Selenium	Rectifiers, Used to improve the abrasion resistance in vulcanized rubbers. Light meters	0,00	Kg	A1010Se34
	Tellurium *	Alloys. Semiconductors	0,00	Kg	A1010Te84
	Thallium	Semiconductors materials for selenium rectifiers. Thermometers for low temperature	0,00	Kg	A1010TI81
	But excluding such wastes specifically listed on attachment B				
A1020	Waste having as constituents or contaminants, excluding metal waste in massive form, any of the following:				
	Antimony compounds *	Fire retardation in plastics, textiles, rubber etc.	0,00	Kg	A1020Sb51C
	Beryllium compounds	Heat conductors,	0,00	Kg	A1020Be4C
	Cadmium compounds	Batteries, anodes, bolt and nuts, PVC stabilizers	0,00	Kg	A1020Cd48C
	Lead compounds	Batteries, paint coatings, cable insulation	0,00	Kg	A1020Pb82C
	Selenium compounds	Rectifiers, vulcanized rubbers	0,00	Kg	A1020Se34C
	Tellurium compounds	Conductors,	0,00	Kg	A1020Te84C
A1030	Arsenic compounds	Paint on ship's structure	0,00	Kg	A1030As33C
	Mercury compounds	Thermometers, level switches, light fittings	0,00	Kg	A1030Hg80C
	Thallium compounds	Superconducting materials used in electric power generation, thermometers for low temperature	0,00	Kg	A1030TI81C
A1040	Waste having as constituents any of the following:				
	Hexavalent chromium compounds	Paints (lead chromate) on the ship's structure	0,00	Kg	A1040
A1080	Waste zinc residues not included on list B, containing lead and cadmium in concentrations sufficient to exhibit Annex III characteristics:				
	Anodes	Copper (Cu)	0,00	Kg	A1080Cu
	Anodes	Cadmium (Cd)	0,00	Kg	A1080Cd
	Anodes	Lead (Pb)	0,00	Kg	A1080Pb
	Anodes	Zinc (Zn)	0,00	Kg	A1080Ps
A1160	Waste lead-acid batteries, whole or crushed				
	Batteries:	Emergency, radio, fire alarms, start up, lifeboat, ups	0,00	Kg	A1160

Fotnote:

- * If the component is present is it most likely bound in an alloy or present at a very low concentration

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Code	Description	Example	Quantity	Unit	Sorting
A1180 **	Waste electrical and electronics assemblies or scrap ¹ containing components such as accumulators and other batteries included on list A, mercury-switches, glass from cathode-ray tubes and other activated glass and PCB-captors, or contaminated with Annex 1 constituents (e.g., cadmium, mercury, leads, polychlorinated biphenyl) to an extent that they possess any of the characteristics contained in Annex III (note the related entry on list B B1110) ²				
		Level switches, light tubes and fitting, (capacitors), electrical cables	0,00	Kg	A1180
A2	Waste containing principally inorganic constituents, which may contain metal and organic materials				
A2010	Glass waste from cathode-ray tubes and other activated glasses				
	Screens	Tv and computer	0,00	Pcs	A2010
A2050	Waste asbestos		0,00	Kg	A2050av
	Dust and fibres	Thermal insulation, surfacing material, sound insulation	0,00	Kg	A2050sf
A3	Waste containing principally organic constituents, which may contain metals and inorganic materials				
A3020	Waste mineral oils unfit for their originally intended use				
	Hydraulic		0,00	Ltr	A3020hy
	Oil sumps		0,00	Ltr	A3020sp
	Cargo residues		0,00	Ltr	A3020lr
A3140	Waste non-halogenated organic solvents but excluding such waste specified on list B				
	Antifreeze fluids		0,00	Ltr	A3140
A3180	Wastes, substances and articles containing, consisting of or contaminated with polychlorinated biphenyl (PCB), polychlorinated terphenyl (PCT), polychlorinated naphthalene (PCN) or polybrominated biphenyl (PBB), or any other polybrominated analogues of these compounds, at a concentration level of 50 mg/kg or more				
	PCB	Capacitors in light fittings, PCB in oil residuals, gasket, transformers, paints, flame retardants.	0,00	Kg	A3180PCB
	PCT	wood preservatives, antifoulant	0,00	Ltr	A3180PCT
	PCN	Capacitor dielectrics, in lubricants, rubber plastic additives	0,00	Kg	A3180PCN
	PBB	El. Cabinets, El devices, El, motor	0,00	Kg	A3180PBB
A4	Waste which may contain either inorganic or organic constituents				
A4030	Wastes from the production, formulation and use of biocides and phytopharmaceuticals, including waste pesticides and herbicides which are off-specification, outdated or unfit for their originally intended use.				
		Paints and rust stabilizers, tin-based antifouling coating on ship bottoms	0,00	Ltr	A4030
A4060	Wastes oil/water, hydrocarbons/water mixtures, emulsions				
		Sludge, chemicals in water, tank residuals, bilge water	0,00	Ltr	A4060
A4070	Waste from the production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish excluding any such waste specified on list B (note the related entry on list B B4010)				
		Paint and coatings on the ships structure	0,00	Ltr	A4070
A4080	Wastes of an explosive nature (but excluding such wastes specified on list B)				
	Compressed Gas	Acetylene	0,00	Ltr	A4080Ace
	Compressed Gas	Propane	0,00	Ltr	A4080Pro
	Compressed Gas	Butane	0,00	Ltr	A4080But
	Cargo residues	(Cargo tanks)	0,00	Ltr	A4080Mix
A4130	Waste packages and containers containing Annex 1 Substances in concentration sufficient to exhibit Annex III hazard characteristics				
		Cargo residues	0,00	Kg	A4130

Footnotes:

** The ship component are also covered by other List A entries (overlapping).

¹ This entries does not include scrap assemblies from electric power generation.

² PCB are at a concentration level of 50 mg/kg or more.

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A				
Operational Substances and Consumables				
		Quantity	Unit	
15	Refrigerants (R12 or R22)	0,00	Kg	A15
16	HALON	0,00	Kg	A16
17	CO2 (in cylinders - engine room fire protection)	0,00	Kg	A17
18	CO2 (in cylinders)	0,00	Kg	A18
19	Others	0,00	Kg	A19
20	Others	0,00	Kg	A20

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ANNEX I CATEGORIES OF WASTES TO BE CONTROLLED

Waste Streams

- Y1** Clinical wastes from medical care in hospitals, medical centers and clinics
- Y2** Wastes from the production and preparation of pharmaceutical products
- Y3** Waste pharmaceuticals, drugs and medicines
- Y4** Wastes from the production, formulation and use of biocides and phytopharmaceuticals
- Y5** Wastes from the manufacture, formulation and use of wood preserving chemicals
- Y6** Wastes from the production, formulation and use of organic solvents
- Y7** Wastes from heat treatment and tempering operations containing cyanides
- Y8** Waste mineral oils unfit for their originally intended use
- Y9** Waste oils/water, hydrocarbons/water mixtures, emulsions
- Y10** Waste substances and articles containing or contaminated with polychlorinated biphenyls (PCBs) and/or polychlorinated terphenyls (PCTs) and/or polybrominated biphenyls (PBBs)
- Y11** Waste tarry residues arising from refining, distillation and any pyrolytic treatment
- Y12** Wastes from production, formulation and use of inks, dyes, pigments, paints, lacquers, varnish
- Y13** Wastes from production, formulation and use of resins, latex, plasticizers, glues/adhesives
- Y14** Waste chemical substances arising from research and development or teaching activities which are not identified and/or are new and whose effects on man and/or the environment are not known
- Y15** Wastes of an explosive nature not subject to other legislation
- Y16** Wastes from production, formulation and use of photographic chemicals and processing materials
- Y17** Wastes resulting from surface treatment of metals and plastics
- Y18** Residues arising from industrial waste disposal operations

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Wastes having as constituents:

Y19	Metal carbonyls
Y20	Beryllium; beryllium compounds
Y21	Hexavalent chromium compounds
Y22	Copper compounds
Y23	Zinc compounds
Y24	Arsenic; arsenic compounds
Y25	Selenium; selenium compounds
Y26	Cadmium; cadmium compounds
Y27	Antimony; antimony compounds
Y28	Tellurium; tellurium compounds
Y29	Mercury; mercury compounds
Y30	Thallium; thallium compounds
Y31	Lead; lead compounds
Y32	Inorganic fluorine compounds excluding calcium fluoride
Y33	Inorganic cyanides
Y34	Acidic solutions or acids in solid form
Y35	Basic solutions or bases in solid form
Y36	Asbestos (dust and fibres)
Y37	Organic phosphorus compounds
Y38	Organic cyanides
Y39	Phenols; phenol compounds including chlorophenols
Y40	Ethers
Y41	Halogenated organic solvents
Y42	Organic solvents excluding halogenated solvents
Y43	Any congener of polychlorinated dibenzo-furan
Y44	Any congener of polychlorinated dibenzo-p-dioxin
Y45	Organohalogen compounds other than substances referred to in this Annex (e.g. Y39, Y41, Y42, Y43, Y44)

Waste and substances that may be inherent in the ship's structure or on board the ship

- (a) To facilitate the application of this Convention, and subject to paragraphs (b), (c) and (d), wastes listed in Annex VIII are characterized as hazardous pursuant to Article 1, paragraph 1 (a), of this Convention, and wastes listed in Annex IX are not covered by Article 1, paragraph 1 (a), of this Convention.
- (b) Designation of a waste on Annex VIII does not preclude, in a particular case, the use of Annex III to demonstrate that a waste is not hazardous pursuant to Article 1, paragraph 1 (a), of this Convention.
- (c) Designation of a waste on Annex IX does not preclude, in a particular case, characterization of such a waste as hazardous pursuant to Article 1, paragraph 1 (a), of this Convention if it contains Annex I material to an extent causing it to exhibit an Annex III characteristic.
- (a) Annexes VIII and IX do not affect the application of Article 1, paragraph 1 (a), of this Convention for the purpose of characterization of wastes.⁴

ANNEX III LIST OF HAZARDOUS CHARACTERISTICS

UN Class ⁵	Code	Characteristics
1	H1	<p>Explosive</p> <p>An explosive substance or waste is a solid or liquid substance or waste (or mixture of substances or wastes) which is in itself capable by chemical reaction of producing gas at such a temperature and pressure and at such a speed as to cause damage to the surroundings.</p>
3	H3	<p>Flammable liquids</p> <p>The word “flammable” has the same meaning as “inflammable”. Flammable liquids are liquids, or mixtures of liquids, or liquids containing solids in solution or suspension (for example, paints, varnishes, lacquers, etc., but not including substances or wastes otherwise classified on account of their dangerous characteristics) which give off a flammable vapour at temperatures of not more than 60.5°C, closed-cup test, or not more than 65.6°C, open-cup test. (Since the results of open-cup tests and of closed-cup tests are not strictly comparable and even individual results by the same test are often variable, regulations varying from the above figures to make allowance for such differences would be within the spirit of this definition.)</p>
4.1	H4.1	<p>Flammable solids</p> <p>Solids, or waste solids, other than those classed as explosives, which under conditions encountered in transport are readily combustible, or may cause or contribute to fire through friction.</p>
4.2	H4.2	<p>Substances or wastes liable to spontaneous combustion</p> <p>Substances or wastes which are liable to spontaneous heating under normal conditions encountered in transport, or to heating up on contact with air, and being then liable to catch fire.</p>
4.3	H4.3	<p>Substances or wastes which, in contact with water emit flammable gases</p> <p>Substances or wastes which, by interaction with water, are liable to become spontaneously flammable or to give off flammable gases in dangerous quantities.</p>

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5.1	H5.1	<p>Oxidizing Substances or wastes which, while in themselves not necessarily combustible, may, generally by yielding oxygen cause, or contribute to, the combustion of other materials.</p>
5.2	H5.2	<p>Organic Peroxides Organic substances or wastes which contain the bivalent-o-o-structure are thermally unstable substances which may undergo exothermic self-accelerating decomposition.</p>
6.1	H.6.1	<p>Poisonous (Acute) Substances or wastes liable either to cause death or serious injury or to harm human health if swallowed or inhaled or by skin contact.</p>
6.2	H.6.2	<p>Infectious substances Substances or wastes containing viable micro organisms or their toxins which are known or suspected to cause disease in animals or humans</p>
8	H8	<p>Corrosives Substances or wastes which, by chemical action, will cause severe damage when in contact with living tissue, or, in the case of leakage, will materially damage, or even destroy, other goods or the means of transport; they may also cause other hazards.</p>
9	H10	<p>Liberation of toxic gases in contact with air or water Substances or wastes which, by interaction with air or water, are liable to give off toxic gases in dangerous quantities.</p>
9	H11	<p>Toxic (Delayed or chronic) Substances or wastes which, if they are inhaled or ingested or if they penetrate the skin, may involve delayed or chronic effects, including carcinogenicity.</p>
9	H12	<p>Ecotoxic Substances or wastes which if released present or may present immediate or delayed adverse impacts to the environment by means of bioaccumulation and/or toxic effects upon biotic systems.</p>
9	H13	<p>Capable, by any means, after disposal, of yielding another material, e.g., leachate, which possesses any of the characteristics listed above.</p>

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ANNEX IX¹⁶

LIST B

Wastes contained in the Annex will not be wastes covered by Article 1, paragraph 1 (a), of this Convention unless they contain Annex I material to an extent causing them to exhibit an Annex III characteristic.

B1 Metal and metal-bearing wastes

- B1010 Metal and metal-alloy wastes in metallic, non-dispersible form:
- Precious metals (gold, silver, the platinum group, but not mercury)
 - Iron and steel scrap
 - Copper scrap
 - Nickel scrap
 - Aluminium scrap
 - Zinc scrap
 - Tin scrap
 - Tungsten scrap
 - Molybdenum scrap
 - Tantalum scrap
 - Magnesium scrap
 - Cobalt scrap
 - Bismuth scrap
 - Titanium scrap
 - Zirconium scrap
 - Manganese scrap
 - Germanium scrap
 - Vanadium scrap
 - Scrap of hafnium, indium, niobium, rhenium and gallium
 - Thorium scrap
 - Rare earths scrap
 - Chromium scrap

¹⁶ The amendment whereby Annex IX was added to the Convention entered into force on 6 November 1998, six months following the issuance of depositary notification C.N.77.1998 (reflecting Decision IV/9 adopted by the Conference of the Parties at its fourth meeting). The amendment to Annex IX whereby new entries were added entered into force on 20 November 2003 (depositary notification C.N.1314.2003), six months following the issuance of depositary notification C.N.399.2003 of 20 May 2003 (reflecting Decision VI/35 adopted by the Conference of the Parties at its sixth meeting). The amendment to Annex IX whereby one entry was added entered into force on 8 October 2005 (depositary notification C.N.1044.2005), six months following the issuance of depositary notification C.N.263.2005 of 8 April 2005 (re-issued on 13 June 2005, reflecting Decision VII/19 adopted by the Conference of the Parties at its seventh meeting). The present text includes all amendments.

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B1040 Scrap assemblies from electrical power generation not contaminated with lubricating oil, PCB or PCT to an extent to render them hazardous

B1110 Electrical and electronic assemblies:

- Electronic assemblies consisting only of metals or alloys
- Waste electrical and electronic assemblies or scrap¹⁹ (including printed circuit boards) not containing components such as accumulators and other batteries included on list A, mercury-switches, glass from cathode-ray tubes and other activated glass and PCB-capacitors, or not contaminated with Annex I constituents (e.g., cadmium, mercury, lead, polychlorinated biphenyl) or from which these have been removed, to an extent that they do not possess any of the characteristics contained in Annex III (note the related entry on list A A1180)
- Electrical and electronic assemblies (including printed circuit boards, electronic components and wires) destined for direct reuse,²⁰ and not for recycling or final disposal²¹

B4010

Wastes consisting mainly of water-based/latex paints, inks and hardened varnishes not containing organic solvents, heavy metals or biocides to an extent to render them hazardous (note the related entry on list A A4070)

¹⁹ This entry does not include scrap from electrical power generation.

²⁰ Reuse can include repair, refurbishment or upgrading, but not major reassembly

²¹ In some countries these materials destined for direct re-use are not considered wastes.