


MRVControl Quality Management System				
Type:	CSI Verification Instruction	Author/Owner:	PG	
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## CSI Documentation Instruction

### SOx & PM

BDNs 12 months, IAPP Certificate, Measurement report with PM Emission factors acc. to ISO 8178 if applicable

1. Confirm Exhaust Gas Treatment installation if applicable.
2. Confirm proof of use via measurement log Inside /Outside ECA. Photo copies
3. Sulphur analysis protocols. Photo copies
4. Reduction rate proof of use via measurement log (PM). Photo copies

### NOx

EIAPP Certificate - all engines, Approved NOx measurements if installed abatement technology

1. Reduction rate proof of use M/E + AUX via measurement log, urea consumption. Photo copies

### CO2

EEOI Calculation

1. Voyage, Bunker & Cargo Data (B/L) 12 months
2. Calculation Methodology for CSI score.

### Chemicals

1. **Antifouling:** Refrigerants Ref Record Book, IAPP CertificateMSDS/TDS copies. Photo of spare antifouling container label
2. **Stern Tube Oils:** Stern tube arrangement/ If applicable; MSDS/TDS copy plus copy of receipt for stern tube oil.
3. **External Hydraulic fluids:** Photo of capped installations, Photo of installed gear if Electrical. MSDS/TDS copy and photo of biogradable oil drum label
4. **Gear Oils:** Oil type MSDS /TDS copy and photo of receipt for Bio oil incl Azimuth Thrusters/Pods if applicable
5. **Boiler Cooling Water:** Type of chemical used MSDS /TDS copy plus photo of drum label
6. **Cleaning Agents:** Type used MSDS/TDS copy plus photo of Label on packaging from deck, galley, accommodation and engine room.
7. **Refrigerants:** Refrigerants Ref Record Book, IAPP Certificate, Photo of labels on spare refrigerant tubes

## Water & Waste

1. **Sewage/Grey Water:** Sewage/Grey Water Type Approval, ISPP Certificate, Copy of record log sample of when used. Photo of installation. Copy Record log sample of when used including PSSA passages and receipt from shore delivery.
2. **Garbage:** Garbage Management Plan
  - a) If Garbage Incinerator; receipt copy of shore delivery, document of no use of incinerator for garbage and photo of garbage handling system.
  - b) If no Garbage Incinerator; receipt copy of shore delivery and photo of garbage handling system.
3. **Sludge Oil:** Sludge Oil IOPP Certificate
  - a) If sludge Incinerator; receipt copy of shore delivery, document of no use of incinerator for sludge.
  - b) If no sludge Incinerator; receipt copy of shore delivery
4. **Bilge Water:** Bilge Water IOPP Certificate
  - a) If Bilge Water Treatment System; copy record log of when used, capacity and emission below 5ppm together with Photo of installation.
  - b) If no Bilge Water Treatment System; receipt copy of shore delivery.
  - c) If Emission Control "WhiteBox" ; Logged data copy and photo of installation.
5. **Crew Awareness Policy:** Crew Awareness Policy, Record of education for all crew on board regarding environmental awareness health risks and adequate protective equipment: Confirm\*\* Policy with primarily: Master, Chief, 2nd Eng, 1st officer, Electrician, Eng room and galley personnel

### **\*\*Verification Guidelines p10**

1. What are the environmental aspects of your daily operations, and the impact these may cause?
2. What kind of knowledge and tools to limit the environmental impact of your daily operations do you have?
3. Do you feel that environmental issues are prioritized to the necessary level within your company, and that you are well prepared for new and stricter regulations?
4. What do you believe is the main challenge for your company with regards to an emerging greener economy?

Ref:

<https://www.cleanshippingindex.com/>