

QUESTIONNAIRE

ClearView Oily water and Sludge Monitoring System

Company:		Vessel:	
Contact Name:		Telephone:	
Email:		Fax:	
<p>ClearView monitors all operations related to Oily Water, Bilge, and Sludge treatment and provides both a local real time display and historical logging of all activities for later review.</p> <p>Historical data may be viewed locally and / or collected / transmitted from the Vessel for remote review.</p> <p>This document is provided to assist in identifying and detailing equipment and systems already onboard subject Vessel.</p> <p>The intention is to establish what equipment can be employed / upgraded and what additional equipment will be required to install and commission a ClearView monitoring system.</p>			
Bilge Wells			
Advise how many bilge wells there are, what is their depth?	Qty	Depths	
Engine Room Pumps			
Advise how many pumps there are that are used for pumping of Bilge / Sludge or can be configured to do so.	Qty	Spare Connectors on control panel—Details	
Advise if existing pump control panel has spare contactors to identify pump running / stopped.			
Storage Tanks			
<p>List all related tanks, For example: Bilge Holding, Dirty Oil, Separator Sludge, Sludge Holding, Incinerator Sludge.</p> <p>Advise Depth / volume of each tank</p> <p>Advise if tank is already equipped with level measurement (continuous level rather than switch points) Provide details of instruments fitted – signal output, for example 4-20mA</p> <p>Where tanks are not currently gauged, advise details of any existing external connections at low level which could be used to mount a level transmitter.</p> <p>Alternatively advise access possibilities through tank top.</p>	Tank Name	Depth / Volume	Details
<p><i>Note: Where level transmitters are required these must be located at or near the base of the tank since they measure from their mounting height upwards.</i></p>			



Incinerator

ClearView provides an overview of the operational status of the incinerator based upon whatever status outputs can be made available. This will depend upon the specific Incinerator and its associated display / control equipment but typically the following parameters should be measured as a minimum:

- Incinerator status - in operation or stopped
- Incinerator door status – interlocked or safe to open
- Flue Gas fan – in operation or stopped
- Pilot flame or Diesel oil supply pump - operational or stopped
- Sludge Circulation pump – operational or stopped
- Sludge supply valve – open or closed
- Flue Gas Temperature

Advise manufacturer and model code / serial number of Incinerator	Make	Model		
Advise what display / control equipment is currently fitted. Advise if status outputs are provided for use by other systems. Are these volt-free contact closure type?	Make	Model	Free outputs?	VFC type?

Note – PSM will discuss any requirements direct with Incinerator manufacturer if required

OWS & OCM Monitor

ClearView provides an overview of the operational status of the OWS based upon whatever status outputs can be made available. This will depend upon the specific OWS and its associated display / control equipment but typically the following parameters should be measured as a minimum

- OWS – operational or stopped
- PPM Value (from OCM)
- Flushwater not activated or activated

Advise manufacturer and model code / serial number of OWS & PPM Meter	Make	Model		
Advise what additional display / control equipment is currently fitted, and what status outputs are available.	Make	Model	Free outputs?	VFC type?



Overboard Discharge Valves

Advise existing arrangements and any interlock functions already in place to close O/B discharge valve when PPM value is above legal limit.

ClearView can control an additional valve (quoted as required) which will prevent overboard discharge from the OWS when PPM value is above legal limit and / or Vessel is in a Geofence exclusion zone

Advise existing pipework sizing for additional valve and optional flowmeter installation.

Details

GPS & UTC Data

ClearView includes a Skywave D+ Satellite to provide GPS and UTC data. Course and speed may also be displayed if required

Yes / No

Delete as applicable

Data Presentation & Logging

ClearView provides “real-time” local display of all monitored parameters. It additionally logs all activities with time, date and GPS stamp. As standard digital inputs are logged “on event” i.e. when they change state and analogue parameters are logged every 5 minutes under normal operation, or more frequently where outside of user defined limits. A new log file is generated every 4 hours by default.

These timings are aimed at providing a complete picture while keeping stored data to a minimum. The 4 hour logging interval generates a log file size which can readily be emailed from the ship.

ClearView may be connected to the Ships data network via a standard ethernet connection. The log files are held in a shared folder within ClearView and may be collected at any time. Normal practice is for the Ships server to be configured to move these files at regular intervals, to a location from where they can be emailed.

Transmission of the files is under control of the ships Server rather than ClearView.

All timings, file size limits, duration, and storage are all configurable within normal PC / Network considerations. Please advise if alternative arrangements are required.

Details if applicable

Onboard Ships Network & Communication

Advise details of existing ships network and ship to shore communication

Details

Data Review

PSM can provide shore based secure storage and formatting of all transmitted data in conjunction with Transas Telematics using their Fleetview Online server. Please indicate if this service is required or advise if an alternative method based on existing systems is preferred.

Yes

No—details



Any Other Parameters To be Monitored

ClearView can monitor / display / log any analogue or digital parameter. Advise additional parameters required to be monitored

Details

Other Information

Please detail other relevant information or operational requirements of the ClearView system

Details

