#### Dear

We refer to your official information request dated 10 February 2025 for information relating to the Kawatiri Dredge.

Your questions and our answers in red, are as follows;

I note the Dredge Kawatiri is scheduled to sail to Nelson later this month to the Calwell Slipway. In the past, slipway visits were only necessary for out-of-water surveys or emergency work.

Full out-of-water surveys are generally done every 5th year with Intermediate surveys every 3rd year in between. I gather the last five-year survey slipway visit was in 2022. Annual surveys are in-water. Intermediate surveys are either in-water or out-of-water, depending on the MNZ approved MTO survey plan for the vessel. All surveys require a detailed work-list to be created, for budget purposes, contractor work planning, and to determine the amount of time required on the slipway. Due to the imminent departure of the vessel I expect this information will be readily available and would appreciate a prompt response.

My questions are:

1. Considering the last five year survey was done in 2022, is this an out-of-water intermediate survey? If not, what type of survey is this?

When the full-term survey was completed in 2022, the surveyor agreed that we could defer a number of checks. These included the removal of the propeller shafts and their seals, the removal of the propellers and their inspection and the rudders being removed with their bearings/shafts being inspected and tested. A bump test for the rudders indicated that there was no concern with their condition. Delaying these checks until 2025 and reducing the period of the hull coating system period saved the council money.

In agreeing to defer the above check until 2025, the Council was also mindful that the Kawatiri would have a busy work program of flood recovery dredging from late 2022 which would take about 18–24 months. It was thus deemed prudent to make the midterm survey in 2025 an out of water survey to check that the underwater condition of the Kawatiri after this level of workload compared to previous years, was holding up. If the underwater condition of the Kawatiri when she is slipped in 2025 is acceptable, we will apply a 5-year hull coating which will mean the next out of water survey should be undertaken in 2030.

- How long is the dredge booked to be on the Calwell Slipway?
   3-4 weeks
- What is the full work-list for this slipping?
   See attached schedule. We will also check the condition of the propellers and undertake

repairs if required.

4. What are the budgeted/estimated costs for this slipping and the work required? I appreciate some of this can be objective until the vessel is out of the water.

Budgeted cost is \$444,000. The pre-slipping cost is \$440,000. Repairs to the propellers would be in addition to these values.

5. Will a full crew be accommodated in Nelson during this slipping? If not, how many ships crew will be involved whilst it is on the slipway?

5 members of the crew are involved in the slipping.

6. Will the dredge be engaged in any other activities at Port Nelson (other than on the slipway)?

At this time we don't expect to be doing any dredging in Port Nelson at the end of the slipping period.

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how to make a complaint is available at <u>www.ombudsman.parliament.nz</u> or freephone 0800 802 602.

If you wish to discuss this decision with us, please feel free to contact the Buller District Council by return email to <a href="mailto:lgoima@bdc.govt.nz">lgoima@bdc.govt.nz</a>.

Please note that it is our policy to proactively release our responses to official information requests where possible. Our response to your request may be published at <a href="https://bullerdc.govt.nz/district-council/your-council/request-for-official-information/responses-to-lgoima-requests/">https://bullerdc.govt.nz/district-council/your-council/request-for-official-information/responses-to-lgoima-requests/</a> with your personal information removed.

#### Kind regards

Paul Numan | Group Manager Corporate Services Email Paul.Numan@bdc.govt.nz

Buller District Council | Phone 0800 807 239 | <u>bullerdc.govt.nz</u> PO Box 21 | Westport 7866

Community Driven | One Team | Future Focused | Integrity | We Care

Email Disclaimer: This correspondence is for the named person's use only. It may contain confidential or legally privileged information or both. No confidentiality or privilege is waived or lost by any mistransmission. If you receive this correspondence in error, please immediately delete it from your system and notify the sender. You must not disclose, copy or relay any part of this correspondence if you are not the intended recipient. Any views expressed in this message are those of the individual sender, except where the sender expressly, and with authority, states them to be the views of Buller District Council.

# New trees for Victoria Square

BULLER DISTRICT COUNCIL

> We're conducting a survey to gather community feedback on the replacement of 11 unsafe or noxious trees at Victoria Square in Westport.

> > 🖔 Click here to vote

# Slipping Programme - February 2025

## 1 Main Engine Port

1)	Service lube oil scavenge and pressure pumps	Х									
2)	Oil cooler acid wash		Х								
3)	Water cooler acid wash		Х								
4)	Service raw water pump	Х									
5)	Turbo service required						X				
6)	Service fresh water pump	Х									
7)	Alarm and Shutdown Test	Х									

# 2 Main Engine Starboard

1)	Service lube oil scavenge and pressure pumps	Х								
2)	Oil cooler acid wash		Х							
3)	Water cooler acid wash		Х							
4)	Turbo service required						Х			
5)	Service raw water pump	Х								
6)	Service fresh water pump	Х								
7)	Alarm and Shutdown Test	Х								

## 3 Gearbox Port

												_
	1)	Open and inspect	Х									
ſ	2)	Varify oil pressures	Х	Т								
	3)	Minor parts and repairs	Х									

# 4 Gearbox Starboard

1)	Open and inspect	Х										
2)	Varify oil pressures	Х	Τ		Γ	Τ						
3)	Minor parts and repairs	Х										

# 5 Generator Engine Port

1) Oil cooler acid wash		Х							
2) Water cooler acid wash		Х							
3)									
4) Alarm and Shutdown Test	Х								

# 6 Generator Port

1)	Open and inspect				Х					
2)	Insulation Test baker test -trind									

# 7 Generator Engine Starboard

1)	Oil cooler acid wash		Х							
2)	Water cooler acid wash		Х							
3)										
4)	Alarm and Shutdown Test	Х								

#### 8 Generator Starboard

1)	Open and inspect					X				
2)	Insulation Test baker test Trind									

# 9 Pump Engine

1)	Replace engine with KTA 19 includes gearbox	X X I I I I I I I I I I I I I I I I I I	
2)	remove old engine and parts		
3)	alter engine beds to suit new configuration		
4)	instal new engine ,cooling, electrical, fuel, exhaust systems etc	x	
5)	align engine with g/box	x	
6)			
7)	Old Oil cooler acid wash (spare for mains)		
8)	Old Water cooler acid wash (spare for mains)		
9)	Alarm and Shutdown Test	X	

# 10 Pump Engine Gearbox and Flexi Coupling

1) Replace with new G/B and couplings									
2) Align gear box with replacement dredge pump									

#### 11 Dredge Pump

1) As above									
2) As above									

# 12 Jetwater Engine

1)	Service									
2)	Water cooler acid wash		Х							
3)										
4)	Alarm and Shutdown Test	Х								

#### **13 Jetwater Clutch and Pump**

1)								
2)								
3)								
4)								

#### 14 Fire, Ballast and Flushing Pumps

1)										
2)										

#### 15 Hydraulic Pumps (incl solenoids)

1)									
2)									
3)									

#### 16 Fire Lines (incl valves and manifolds)

1)	Replace pumproom pipe section (line to emergency FP)	Х	Х							
2)	Replace defective Valves as required	Х								
3)										
4)										

#### 17 Ships Side Valves

1	Non dredging over board valves, remove, checked, service and	replace	Х								
2	Dredging over board valves, remove, checked, service and repl	lace	Х								
3	Remove and blank ER dredge self discharge intake valves		Х								

#### 18 Bilge Lines (incl valves)

1) Replace defective Valves as required	X	x								
2) Replace defective pipe as required	X	X								

## 19 Engine Cooling Pipes (incl valves)

1) Replace defective Valves as required	X								
2) Replace defective pipe as required	X								

#### 20 Flushing Lines (incl valves)

1) Replace defective Valves as required	X	(								
2) Replace defective pipe as required - review scope once on the	e slip X	(					X			

#### 21 Hydraulic lines (incl valves)

1) Replace door ram supply / return lines above deck								
2)								

#### 22 Hydraulic Control Systems

1)										
2)										

#### 23 Fuel, Lub and void Tanks

<u>, Lub allu volu Taliks</u>															
Open clean and inspect forepeak tank		Х											х		
Open clean and inspect aftpeak void		Х											Х		
Open clean and inspect port bouyancy void		Х											Х		
Open clean and inspect duct keel void		Х				Τ							Х		
Open clean and inspect port fuel tank		Х											Х		
Open clean and inspect pumproom daily service tank		Х											Х		
Open clean and inspect pumproom dirty oil tank		Х				Τ							Х		
Open clean and inspect pumproom overflow tank		Х											Х		
Open clean and inspect engineroom overflow tank		Х											Х		
Open clean and inspect engineroom dirty lube oil tank		Х				Τ							Х		
Open clean and inspect engineroom oily bilge tank		Х											Х		
Open clean and inspect fresh water tank		Х											Х		
Open clean and inspect port chain locker		Х											Х		
Open clean and inspect starboard chain locker		Х											Х		
	Open clean and inspect aftpeak void Open clean and inspect port bouyancy void Open clean and inspect duct keel void Open clean and inspect port fuel tank Open clean and inspect pumproom daily service tank Open clean and inspect pumproom dirty oil tank Open clean and inspect pumproom overflow tank Open clean and inspect engineroom overflow tank Open clean and inspect engineroom dirty lube oil tank Open clean and inspect engineroom dirty lube oil tank Open clean and inspect engineroom oily bilge tank Open clean and inspect fresh water tank Open clean and inspect port chain locker	Open clean and inspect aftpeak void         Open clean and inspect port bouyancy void         Open clean and inspect duct keel void         Open clean and inspect port fuel tank         Open clean and inspect pumproom daily service tank         Open clean and inspect pumproom dirty oil tank         Open clean and inspect pumproom dirty oil tank         Open clean and inspect pumproom overflow tank         Open clean and inspect engineroom overflow tank         Open clean and inspect regineroom overflow tank         Open clean and inspect for the engineroom overflow tank         Open clean and inspect for the engineroom overflow tank         Open clean and inspect for the engineroom overflow tank         Open clean and inspect for the engineroom overflow tank         Open clean and inspect for the engineroom overflow tank         Open clean and inspect for the engineroom overflow tank         Open clean and inspect for the engineroom overflow tank         Open clean and inspect port chain locker	Open clean and inspect aftpeak voidXOpen clean and inspect port bouyancy voidXOpen clean and inspect duct keel voidXOpen clean and inspect port fuel tankXOpen clean and inspect port fuel tankXOpen clean and inspect pumproom daily service tankXOpen clean and inspect pumproom dirty oil tankXOpen clean and inspect pumproom dirty oil tankXOpen clean and inspect pumproom overflow tankXOpen clean and inspect engineroom overflow tankXOpen clean and inspect engineroom overflow tankXOpen clean and inspect engineroom oily bilge tankXOpen clean and inspect fresh water tankXOpen clean and inspect port chain lockerX	Open clean and inspect aftpeak voidXOpen clean and inspect port bouyancy voidXOpen clean and inspect port bouyancy voidXOpen clean and inspect duct keel voidXOpen clean and inspect port fuel tankXOpen clean and inspect pumproom daily service tankXOpen clean and inspect pumproom daily service tankXOpen clean and inspect pumproom dirty oil tankXOpen clean and inspect pumproom overflow tankXOpen clean and inspect engineroom overflow tankXOpen clean and inspect engineroom dirty lube oil tankXOpen clean and inspect engineroom oily bilge tankXOpen clean and inspect fresh water tankXOpen clean and inspect port chain lockerX	Open clean and inspect aftpeak voidXOpen clean and inspect port bouyancy voidXOpen clean and inspect port bouyancy voidXOpen clean and inspect duct keel voidXOpen clean and inspect port fuel tankXOpen clean and inspect pumproom daily service tankXOpen clean and inspect pumproom dirty oil tankXOpen clean and inspect pumproom dirty oil tankXOpen clean and inspect pumproom overflow tankXOpen clean and inspect engineroom overflow tankXOpen clean and inspect engineroom overflow tankXOpen clean and inspect engineroom oily bilge tankXOpen clean and inspect fresh water tankXOpen clean and inspect port chain lockerX	Open clean and inspect aftpeak voidXXOpen clean and inspect port bouyancy voidXXOpen clean and inspect duct keel voidXXOpen clean and inspect duct keel voidXXOpen clean and inspect port fuel tankXXOpen clean and inspect pumproom daily service tankXXOpen clean and inspect pumproom dirty oil tankXXOpen clean and inspect pumproom dirty oil tankXXOpen clean and inspect pumproom overflow tankXXOpen clean and inspect engineroom overflow tankXXOpen clean and inspect engineroom dirty lube oil tankXXOpen clean and inspect engineroom oily bilge tankXXOpen clean and inspect fresh water tankXXOpen clean and inspect port chain lockerXX	Open clean and inspect aftpeak voidXXOpen clean and inspect port bouyancy voidXXOpen clean and inspect duct keel voidXXOpen clean and inspect duct keel voidXXOpen clean and inspect port fuel tankXXOpen clean and inspect pumproom daily service tankXXOpen clean and inspect pumproom dirty oil tankXXOpen clean and inspect pumproom dirty oil tankXXOpen clean and inspect pumproom overflow tankXXOpen clean and inspect engineroom overflow tankXXOpen clean and inspect engineroom dirty lube oil tankXXOpen clean and inspect engineroom oily bilge tankXXOpen clean and inspect fresh water tankXXOpen clean and inspect port chain lockerXX	Open clean and inspect aftpeak voidXXXOpen clean and inspect port bouyancy voidXXXOpen clean and inspect duct keel voidXXXOpen clean and inspect port fuel tankXXXOpen clean and inspect pumproom daily service tankXXXOpen clean and inspect pumproom dirty oil tankXXXOpen clean and inspect pumproom dirty oil tankXXXOpen clean and inspect pumproom overflow tankXXXOpen clean and inspect engineroom overflow tankXXXOpen clean and inspect engineroom dirty lube oil tankXXXOpen clean and inspect engineroom oily bilge tankXXXOpen clean and inspect fresh water tankXXXOpen clean and inspect port chain lockerXXX	Open clean and inspect aftpeak voidXXIOpen clean and inspect port bouyancy voidXXIOpen clean and inspect duct keel voidXIIOpen clean and inspect port fuel tankXIIOpen clean and inspect pumproom daily service tankXIIOpen clean and inspect pumproom daily service tankXIIOpen clean and inspect pumproom daily service tankXIIOpen clean and inspect pumproom dirty oil tankXIIOpen clean and inspect pumproom overflow tankXIIOpen clean and inspect engineroom overflow tankXIIOpen clean and inspect engineroom dirty lube oil tankXIIOpen clean and inspect engineroom oily bilge tankXIIOpen clean and inspect fresh water tankXIIOpen clean and inspect port chain lockerXII	Open clean and inspect aftpeak voidXXXOpen clean and inspect port bouyancy voidXXXOpen clean and inspect duct keel voidXXXOpen clean and inspect port fuel tankXXXOpen clean and inspect pumproom daily service tankXXXOpen clean and inspect pumproom dirty oil tankXXXOpen clean and inspect pumproom dirty oil tankXXXOpen clean and inspect pumproom overflow tankXXXOpen clean and inspect engineroom overflow tankXXXOpen clean and inspect engineroom dirty lube oil tankXXXOpen clean and inspect engineroom oily bilge tankXXXOpen clean and inspect fresh water tankXXXOpen clean and inspect port fresh water tankXXXOpen clean and inspect port chain lockerXXX	Open clean and inspect aftpeak voidXXXXOpen clean and inspect port bouyancy voidXXXXOpen clean and inspect duct keel voidXXXXOpen clean and inspect port fuel tankXXXXOpen clean and inspect pumproom daily service tankXXXXOpen clean and inspect pumproom daily service tankXXXXOpen clean and inspect pumproom dirty oil tankXXXXOpen clean and inspect pumproom overflow tankXXXXOpen clean and inspect engineroom overflow tankXXXXOpen clean and inspect engineroom overflow tankXXXXOpen clean and inspect engineroom oily bilge tankXXXXOpen clean and inspect fresh water tankXXXXOpen clean and inspect port chain lockerXXXX	Open clean and inspect aftpeak voidXXXXOpen clean and inspect port bouyancy voidXXXXOpen clean and inspect duct keel voidXXXXOpen clean and inspect port fuel tankXXXXOpen clean and inspect pumproom daily service tankXXXXOpen clean and inspect pumproom dirty oil tankXXXXOpen clean and inspect pumproom dirty oil tankXXXXOpen clean and inspect pumproom overflow tankXXXXOpen clean and inspect engineroom overflow tankXXXXOpen clean and inspect engineroom dirty lube oil tankXXXXOpen clean and inspect engineroom oily bilge tankXXXXOpen clean and inspect fresh water tankXXXXOpen clean and inspect prot chain lockerXXXX	Open clean and inspect aftpeak voidXXXXXXOpen clean and inspect port bouyancy voidXXXXXXXOpen clean and inspect duct keel voidXXXXXXXXXOpen clean and inspect port fuel tankXX<	Open clean and inspect aftpeak voidXXXXOpen clean and inspect port bouyancy voidXXXXOpen clean and inspect duct keel voidXXXXOpen clean and inspect port fuel tankXXXXOpen clean and inspect pumproom daily service tankXXXXOpen clean and inspect pumproom daily service tankXXXXOpen clean and inspect pumproom dirty oil tankXXXXOpen clean and inspect pumproom overflow tankXXXXOpen clean and inspect engineroom overflow tankXXXXOpen clean and inspect engineroom dirty lube oil tankXXXXOpen clean and inspect engineroom oily bilge tankXXXXOpen clean and inspect engineroom oily bilge tankXXXXOpen clean and inspect prot chain lockerXXXX	Open clean and inspect aftpeak voidXXXXXOpen clean and inspect port bouyancy voidXXXXXOpen clean and inspect duct keel voidXXXXXOpen clean and inspect port fuel tankXXXXXOpen clean and inspect pumproom daily service tankXXXXXOpen clean and inspect pumproom dirty oil tankXXXXXOpen clean and inspect pumproom dirty oil tankXXXXXOpen clean and inspect pumproom overflow tankXXXXXOpen clean and inspect engineroom overflow tankXXXXXOpen clean and inspect engineroom overflow tankXXXXXOpen clean and inspect engineroom oily bilge tankXXXXXOpen clean and inspect fresh water tankXXXXXOpen clean and inspect port chain lockerXXXXX

#### 24 Fuel and Lub Lines (incl valves)

					_						
1)	Replace main engine / generator engine fuel lines										
2)											
3)											
4)	Inspect and refurbish bunker valves	Х									
5)	Replace sections / all fuel tank cross over line		Х								
6)	Replace sections / all fuel tank cross overflow line		Х								

## 25 Exhausts, Forced Air and Extraction (pump room engine room)

1) Replace all pump room venting										
2) Reduce height of pump room trunking and reconfigure exhaust	S									

#### 26 Alarms and Monitoring

1) Test the oil pressure alarms and shutdowns on the engines	Х								
2) Test bilge alarms	Х		Γ						

## 27 Bilges, Frames and Shell Plating

1)	Pump out bilges and dispose of waste								Х		
2)	Water blast E/R bilges									Х	
3)	Assess repairs to bilges and repair accordingly		Х								
4	Prep and paint port side aft pump room fames and plating. se	ver corrosion									
5	Prime and paint specific areas as required		х								

## 28 Main Switchboard and Mega Tests

1)	Clean switchboards				X			
2)	Breaker tests				X			
3)	Mega test transformers				X			
4)	Insulation test wiring				X			
5)	Mega test motors (31 motors)				X			

#### 29 Propellers

1)	Remove and replace blades		Х							
2)	Repair and dress blades 8 off			Х						
3)	Scan port & stb blade plus bow thruster									Х

# 30 Shafts

1)	Draw shafts , inspect, crack test, clearances and replace		Х							
2)	Supply seals etc	Х								
3)									T	

## 31 Rudders and Steering Gear

1	Draw shafts , inspect, crack test, clearances and replace		Х							
2	Supply seals only	Х								
3										

#### 32 Bow Thruster

[	1)	Remve bow thruster grills [scaffolding required]			X					
ľ	2)	Remove thruster from vessel and Strip bow thruster for overhaul				+				
ľ	3)	Replace blade seals fluid power plus oil				x				
ľ	4)	dress blades			Х					
Ī	5)	Check linkage play								
Ī	6)	Supply bow thruster parts only								
	7)	Overhaul pitch transmitter								
	8)	Servo ram reconditioning								
	9)	Main filter replacement / oil change	Х							

## 33 Hull and Topsides Protection

1)	Replace worn anodes x 20 +/- anodes owner supply			Х						
2)	Remove / replace sea grills		Х							
3)	High pressure blast water line to keel and spot areas above wa	terline							Х	
4)	Spot prime above								Х	
5)	Topcoat spot repairs above water line								Х	
6)	Apply 5 year anti foul coating water line to keel								Х	
7)	Prep and paint E/R exhaust trunking								Х	
8)	Thickness testing of hull and decks to Surveyors specification (	E/R fwd bulkhead a	ft)							
9)	Anodes - owner supply MZ 8 X 20 OFF									
10)										

# **Deck and Deck Services**

#### 34 Anchoring Systems

	······································									
1)	No work required to anchor winch and capstans									
2)	Range anchor chain for conformance testing.	Х								
3)	Conformance inspection and measure anchor chains		Х							
4)										

#### 35 Mooring Equipment (Winches, Bitts, Panama's and Fairlead Rollers)

<ol> <li>Fwd roller fairlead remove, repair and refit</li> </ol>		Х							
2) Spud Penetration and Shaft									
<ol> <li>Supply design drawings for pumproom spud</li> </ol>									

# 36 Handrails, Water Tight Doors, Portholes and Stairs

1)	No work required to fore deck hand rails									
2)	No work required to forward deck escape hatch									
3)	No work required to lower deck hand rails									
4)	No work required on main deck cargo hatch and escape hatch									
5)	No work required to main deck water tight doors									
6)	No work required to poop deck handrails									
7)	No work required to hopper deck handrails									
8)	No work required to poop deck escape and equipment hatches	i								
9)	No work required to poop deck water tight doors									
10)	Poop deck portholes require some sill repairs and painting								Х	
11)	No work required to bridge deck hand rails									
12)	No work required to bridge stairs to poop deck									
13)	No work required to fantail water tight doors									
14)	No work required to monkey island handrails									
15)										

#### 37 Masts and rigging

1)	Forward mast to be replaced with folding / telescoping option								
2)									
3)									

# 38 Deck Lighting

1) Replace Fore Deck flood light	X		X			
2) Replace Trunnion flood light	X		X			

# Dredge Equipment

## 39 Hopper

1)	Open and inspect hopper doors as required	Х								
2)	allowance to repair door recesses 4 off	Х		Х						
3)	Inspect / repair as required duct keel cover plating	Х		Х						
4)	Inspect / repair as required door chain gypsies	Х		Х						
5)										

# 40 Trunnion

1) Replace / repair trunnion stops	Х		Х						
2) Inspect, repair / replace dredge pipe hull penetration pipe	Х		Х						
3)									
4)									

# 41 Gantry

1)	Over haul wave compensator ram assemly				х				
2)	Recondition gantry sheaves			X					
3)	Recondition gantry hydraulic ram				X				
4)	Fit new deck hardeyes (3)			X					
5)	Replace deck sacrificial plywood			X					

# 42 Pipework

1)										
2)										

# 43 Drag heads

1)									
2)									
3)			Т						

# 44 Jet Water

1) Recondition jet water swivel joint									
2)									
3)									

# 45 Deck Crane

1)	install new crane				х						
2)	run hydraulic lines from crane to power pack in pump room				х						

# **Bridge Equipment**

# 46 Dredging and Navigation Controls and Systems

1)	Service sounder						Х			
2)	Service radar						Х			
3)	Fit bow thruster joy stick (beside dredging helm joystick)				Х					
4)	Reposition sounder and radar						Х			
5)										

# **Domestic**

# 47 Heating, cooling, Electrical and Sanitation

it heat pumps to accommodation as follows																	
ervice air con system																	
it exhaust / intake vent to fan room for air con system				Х													
upply new matresses (x2) for crew cabins		Х															
he following work to be completed in bridge toilet																	
he following work to be completed in Poop deck bathroom /	/ changing room / la	un	dry														
igh gloss white shower																	
e it h	rvice air con system exhaust / intake vent to fan room for air con system pply new matresses (x2) for crew cabins e following work to be completed in bridge toilet e following work to be completed in Poop deck bathroom /	e following work to be completed in Poop deck bathroom / changing room / la	e following work to be completed in Poop deck bathroom / changing room / laun	e following work to be completed in Poop deck bathroom / changing room / laundry	e following work to be completed in Poop deck bathroom / changing room / laundry	e following work to be completed in Poop deck bathroom / changing room / laundry	e following work to be completed in Poop deck bathroom / changing room / laundry	e following work to be completed in Poop deck bathroom / changing room / laundry	e following work to be completed in Poop deck bathroom / changing room / laundry	e following work to be completed in Poop deck bathroom / changing room / laundry	e following work to be completed in Poop deck bathroom / changing room / laundry	e following work to be completed in Poop deck bathroom / changing room / laundry	e following work to be completed in Poop deck bathroom / changing room / laundry	arrice air con system       X	e following work to be completed in Poop deck bathroom / changing room / laundry	e following work to be completed in Poop deck bathroom / changing room / laundry	rvice air con system re chaust / intake vent to fan room for air con system re chaust / intake vent to fan room for air con system re chaust / intake vent to fan room for air con system re chaust / intake vent to fan room for air con system re chaust / intake vent to fan room for air con system re chaust / intake vent to fan room for air con system re chaust / intake vent to fan room for air con system re chaust / intake vent to fan room for air con system re chaust / intake vent to fan room for air con system re chaust / intake vent to fan room for air con system re chaust / intake vent to fan room for air con system re chaust / intake vent to fan room for air con system re chaust / intake vent to be completed in bridge toilet re chaust / intake vent to be completed in Poop deck bathroom / changing room / laundry

4)	Galley										
a)	Remove floor tiles, level and epoxy coat 9 sq m		x								X
b)	provide kick board s under benches - new - up for discussion										
c)	raise fridge and oven on platform as to provide sealed area fo	r easy cleaning									
5)	Mess										
a)											
6)	Poop deck crew cabin										
a)											
7)	Main deck toilet / bathroom / laundry										
a)	Hi Gloss paint showers										
b)											
8)	Main deck crew cabins			 	 				 		
a)	Re-carpet cabin (with thick underlay thermal underlay) based	on 4 cabins									
9)	Lighting										
a)											
10)	Power Supply Systems				 	 	 		 		
a)											

# Safety Equipment

# <u>48</u> LSA

1) Liferaft testing and certification       Image: Constraint of the constraint	 										
2) Rescue boat (liferaft) Testing and certification	1)	Liferaft testing and certification									
	2)	Rescue boat (liferaft) Testing and certification									

# <u>49 FFA</u>

1)	Inspect and test all fire extinguishers								
2)	Inspect and test BA equipment								

# 50 Medical

1) Inspect and replenish first aid
------------------------------------

# 51 Communications

1) Renew ships radio certificate									
2) Test radio and emergency batteries					Х				

# 52 Lifting Equipment

 <u>0</u>					 	 		 
1)								
								_