



Task – T1768837, T1768838, T168839
Class No.: YY270348
Eastern Shipbuilding Hulls 219-221
Flag: United States of America

Attention: Mr. Adrian DuBois

The documents shown in the attached list are reviewed in accordance with the applicable requirements of the following:

- ABS Rules for Building and Classing Steel Vessels for Service on Rivers and Intracoastal Waterways, 2016

Please note our review is based on the following conditions:

1. The work is to be completed to the satisfaction of the attending ABS Surveyor.

Please note comments P-020, P-021, and P-023 from task T1724243 remain as open Surveyor comments against the fuel system.

Comment P-024 has been closed as a result of this submittal. We also note the vendor review of the Vapor Power fired water heater in ABS Task T1728017.

Comment P-027 has been revised to be a Surveyor comment and comment P-028 has been closed against the Lubricating oil system. Comments P-029 and P-030 remain as open Surveyor comments.

Comment P-031 against the Deck De-Icing Diagram has been closed as a result of this submittal.

We note the deck-de-icing has four penetrations of the collision bulkhead. Please note collision bulkhead penetrations are typically limited to one pipe/valve. The de-icing system penetrates above the stability margin line and is a closed system, minimizing any threats for progressive flooding. However, please ensure the flag state (USCG) approves the collision bulkhead penetrations.

Additionally, we have received your declaration stating that the materials used in the system indicated in the submittal are free from asbestos.

For any clarifications, contact Ms. Anne Price at [REDACTED].

Very truly yours,

Roy H. Bleiberg
Vice President of Engineering

Electronically Signed by [REDACTED]

Documents List

Drawing No.	Rev. No.	Title	Status
219-261-01	A	Fuel Oil Piping Diagram	Approved
41704136	-	Piping Diagram MNC-5935-AHK-25	Filed for Reference
HI-R-Temp Installation Manual 2015	-	HI-R-Temp Installation Manual 2015	Filed for Reference
219-264-01	A	Lube Oil and Waste Oil Piping Diagram	Approved with Comments
219-558-01	-	Deck De-Icing Diagram	Approved

Electronic copies of the documents, appropriately stamped, are available in the ABS My Eagle Portal through Engineering Manager.

Comments List

Thread No	Comment Text	Facilities	Action
P-020	219-261-01 - Fuel Oil Piping Diagram	221[Open], 220[Open], 219[Open]	Surveyor
	We note the fuel oil storage tanks and day tanks are not equipped with vents. Please note ALL tanks are to be equipped with vents. The vent size for the fuel tanks can be 63 mm based on the 4-3-3/7.3 River Rules if the overflow is sized for 125% of the tank fill lines. Please add tank vents to all fuel tanks, including EDG tank.		
	We note that you are adding one 2.5 nps vent to each fuel tank ; since the tanks are provided with overflows, the minimal size is acceptable. The EDG tank will also have a 2.5 nps vent line. Surveyor is requested to verify these arrangements, see ABS River rules 4-3-3/7.3.		
P-021	219-261-01 - Fuel Oil Piping Diagram	221[Open], 220[Open], 219[Open]	Surveyor
	We note detail 4-2B. All lines emanating from fuel tanks which are subject to a static head are to be positive shutoff valves in accordance with 46 CFR 56.20-15. It would appear valves V02, V05, V01, V19, V21, V23, V26, V58, and V59 are all subject to a static head. Please submit the manufacturer's certification to 46 CFR 56.20-15 1) for all fuel tank valves. See also ABS River rules 4-3-4/1.7.		
	We note detail 4-2B. All lines emanating from fuel tanks which are subject to a static head are to be positive shutoff valves in accordance with 46 CFR 56.20-15. It would appear valves V02, V05, V19, V21, V26, V58, and V59 are all subject to a static head. We note the tank valve information submitted, Surveyor is to verify valve closure apparatus and hydraulic control station are outside the engine room.		
P-023	219-261-01 - Fuel Oil Piping Diagram	221[Open], 220[Open], 219[Open]	Surveyor

	Please present evidence of the fuel transfer pump certification to the attending ABS Surveyor, see ABS River rules 4-1-1/3.7 and ABS SVR 4-6-1/7.3.1		
	Please present evidence of the fuel transfer pump certification to the attending ABS Surveyor, see ABS River rules 4-1-1/3.7 and ABS SVR 4-6-1/7.3.1		
P-024	219-261-01 - Fuel Oil Piping Diagram	221[Close], 220[Close], 219[Close]	Technical
	Please submit complete details of the fuel oil system for the boilers demonstrating compliance with 4-4-1/5 of the ABS River rules, 4-4-1 of the SVR and 46 CFR 56.50-65.		
	We note boiler information submitted. See task T1728017 for vendor boiler review. This comment is closed.		
P-027	219-264-01 - Lube Oil and Waste Oil Piping Diagram	221[Open], 220[Open], 219[Open]	Surveyor
	Please advise how the VSP elevated oil tank is filled. We note the capacity exceeds 132 gallons, so tank valves are required on any line subject to a static pressure. See ABS River rules 4-3-1/3.1 and 4-3-4/1.7.1		
	We note your reply. From the Voith submittals, (dwg 1822322841000) there is a hand pump between the VSP storage tank and the VSP head tank. There are also several "yard supply" lines shown on the Voith drawing that are not shown on this lube oil drawing. Please advise.		
	We note your reply. Please ensure the flexible hoses are certified for a burst pressure of four times the working pressure. Please present certificates to the attending Surveyor. See ABS River rules 4-3-1/7.21		
P-028	219-264-01 - Lube Oil and Waste Oil Piping Diagram	221[Close], 220[Close], 219[Close]	Technical
	It appears that the sludge tank can be pumped, via the lube oil suction manifold & discharge manifold, into any of the main engine sumps. Likewise the waste oil tank can also be pumped into the engine sumps. See 4-3-4/3.1 for the requirement for lube oil to be entirely separate from other piping systems. Engine sumps are also connected via the current lube oil system. Typically sumps are drained independent of one another.		
	We note the changes in revision A limiting sludge discharge to the deck connections or the waste oil tank. This comment is closed.		
P-029	219-264-01 - Lube Oil and Waste Oil Piping Diagram	221[Open], 220[Open], 219[Open]	Surveyor
	Please submit the certificates for the flexible hoses to the attending Surveyor. Hoses should have a burst pressure at least four times the design pressure and have passed a recognized fire test, see 4-3-1/7.21		
P-030	219-264-01 - Lube Oil and Waste Oil Piping Diagram	221[Open], 220[Open], 219[Open]	Surveyor
	We note the lube oil tank, waste oil tank and sludge tank vents all terminate in the machinery space. The Surveyor is requested to verify the vent terminals do not terminate where		

	overflow would impinge on hot surfaces, electrical equipment or other fire hazardous area, see ABS River rules 4-3-3/7.5		
P-031	219-558-01 - Deck De-Icing Diagram	221[Close], 220[Close], 219[Close]	Technical
	Please note all pressure and temperature gauges are to be fitted with isolation valves in accordance with ABS River rules 4-3-1/7.19. Please add isolation valves.		
	We note addition of instrumentation valves. This comment is closed.		