

U.S. Department of
Homeland Security

United States
Coast Guard



Commanding Officer
United States Coast Guard
Marine Safety Center

US Coast Guard Stop 7430
2703 Martin Luther King Jr Ave SE
Washington, DC 20593-7430
Staff Symbol: MSC-2
Phone: (202) 795-6729
Email: msc@uscg.mil

16710/P019233/rwr
Serial: E1-2302369
July 26, 2023

Elliot Bay Design Group (EBDG)
Attn: Mr. Michael Johnson
1900 W Nickerson St. Suite 301
Seattle, Washington 98119

████████████████████

Subj: SSG MICHAEL H OLLIS, O.N. 1283185 Eastern Shipbuilding Group Hull No. 219
SANDY GROUND, O.N. 1299657 Eastern Shipbuilding Group Hull No. 220
DOROTHY DAY, O.N. 1308201 Eastern Shipbuilding Group Hull No. 221
304.2' x 70' x 21.5' Passenger Ferry (H)
Fuel Oil and Cooling Water Piping Systems

- Ref:
- (a) EBDG Dwg. No. 14079.02-256-2, Rev. B, "Seawater Cooling Modifications," 7 sheets, dated February 7, 2023
 - (b) EBDG Dwg. No. 14079.02-261-1, Rev. A, "Fuel Oil System Modifications," 2 sheets, dated June 15, 2023
 - (c) Hydroniq Dwg. No. GA-SP100-03-L, Rev. A, "General Arrangement Hydroniq Pleat Cooler DN 100 – 3 elements SW Inlet Left," 1 sheet, dated April 3, 2013
 - (d) Leser Project W&O 10389897, Rev. 1, "Sizing acc. To DIN EN ISO 4126-7 for Liquid VALVESTAR – v.7.3.3.0331," 5 sheets, dated June 19, 2023
 - (e) ABS Certificate No. 20-1963322-PDA, "Confirmation of Product Type Approval," 4 sheets, dated June 12, 2023
 - (f) The National Board of Boiler and Pressure Vessel Inspectors Document, "Capacity Certification, Valve Type: 441/442/444 liquids," 1 sheet, dated February 20, 2018
 - (g) Your email, dated June 19, 2023
 - (h) Sector New York email, dated July 20, 2023
 - (i) Our letter Serial No. E1-2302112 dated June 9, 2023
 - (j) Our letter Serial No. E1-1802989 dated August 1, 2018

Dear Mr. Johnson:

We reviewed references (a) through (f), submitted by your emails dated May 9, June 13, and June 19, 2023 (MSC Document Nos. 2313701, 2314507, and 2314617), for compliance with 46 CFR Subchapter H. References (a) and (b) are **Approved**. The installation, workmanship, and testing shall be accomplished to the satisfaction of the cognizant Officer in Charge, Marine Inspection (OCMI). References (c) through (f) are **Examined**. Specific approval of these references is not required; however, they contain information that is needed to verify compliance and subsequent approval of required plans. The following comments apply:

Subj: Eastern Shipbuilding Hull Nos. 219-221
Fuel Oil and Cooling Water Piping Systems

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Reference (a)

1. Your plan and reference (c) indicate the heat exchanger operates at a temperature of less than 200°F and under 15psig. Therefore, as per 46 CFR 54.01-15, the Hydroniq DN100-03-L heat exchanger is exempt from shop inspection and plan approval. This issue shall be addressed to the satisfaction of the cognizant OMCI. This comment supersedes comment 3 of reference (i).

Reference (b)

2. The scope of our review is limited to the modifications to the fuel oil service piping since the plan was previously approved by reference (j). We note the inclusion of a fuel oil transfer system cross connect that was not covered in this review. Should you require approval for the transfer system, please submit additional plans to the cognizant OCMI or Marine Safety Center for review.

3. As per reference (d), your plan indicates the use of Leser Type 441 relief valves, designed to ASTM A216. As per reference (g), the valves are set to 4 psi in accordance with the engine manufacturer requirements. Our approval is granted with the understanding that the shut off valves will remain open while the vessel is operating. Per reference (h), this issue shall be addressed to the satisfaction of the cognizant OCMI. This comment supersedes comments 4 through 6 of reference (i).

As an agreed-upon condition for your participation in the Marine Safety Center's electronic commerce program, you must provide the OCMI with a copy of this letter and references (a) and (b).

Our Project Number for these vessels is P019233. Please ensure that all future correspondence includes the Project Number and the Official Numbers that appears in the subject line.

Please contact [REDACTED] with questions concerning our review.

Sincerely,

[REDACTED]

[REDACTED]

Lieutenant Commander, U. S. Coast Guard
Chief, Machinery Branch
By direction

Copy: Commander, Coast Guard Sector New York, Prevention Department