



**Washington State
Department of Transportation**

Lynn Peterson
Secretary of Transportation

WSDOT Ferries Division (WSF)
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June 27, 2014

CAPTAIN M. W. (Joe) Raymond
Commander, USCG Sector Puget Sound
1519 Alaskan Way South
Seattle WA 98134-1192

Second Submission: Letter of Intent (LOI) Regarding Washington State Ferries' (WSF) Proposal to Convert the Issaquah Class Ferries to Liquefied Natural Gas (LNG) Fuel Propulsion

Dear CAPTAIN Raymond:

On November 18, 2013 Washington State Ferries (WSF) submitted an initial Letter of Intent (LOI) and a Waterway Suitability Assessment (WSA) in accordance with the guidelines contained in 33 CFR127 which outlined WSF's proposal to convert six Issaquah class ferries to LNG propulsion. WSF also submitted an LNG Operations Manual and a Security Assessment. Subsequently all these documents were reviewed by U.S. Coast Guard Sector Puget Sound. Based on comments and questions from that review WSF has amended these documents to address those comments and questions and is submitting this LOI, along with the amended WSA, Security Assessment and LNG Operations Manual for another review.

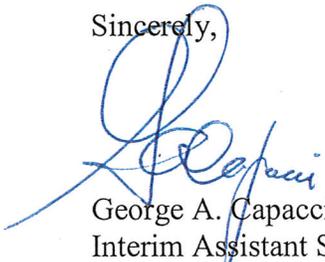
This LOI is formatted in accordance with 33 Code of Federal Regulations 127.007(c);

1. Owner and Operator: Washington State Ferries, 2901 3rd Ave. Seattle WA 98121, telephone 206-515-3905
2. Name of Federal, State, or local having jurisdiction: U.S. Coast Guard Sector Puget Sound 1519 Alaskan Way South Seattle WA 98134-1192, telephone 206-217-6200
3. Vessels and Terminals intended for LNG operations:
 - a. Six Issaquah class ferries:
 - i. M/V Issaquah
 - ii. M/V Kittitas
 - iii. M/V Chelan
 - iv. M/V Kitsap
 - v. M/V Cathlamet
 - vi. M/V Sealth
 - b. Terminals at which bunkering operations may occur:
 - i. Anacortes: Lat 48° 30' 26" N Long 122° 40' 30" W
 - ii. Clinton: Lat 48° 58' 30" N Long 122° 21' 11" W
 - iii. Kingston: Lat 47 ° 47' 36" N Long 122° 24' 44" W
 - iv. Bremerton: Lat 47° 33' 44" N Long 122° 37' 11" W
 - v. Southworth: Lat 47° 30' 46" N Long 122° 29' 42" W

4. LNG tanks will be located on the upper deck of the Issaquah Class ferries, which will not be accessible to passengers. These two skid mounted tanks will be located on either end of the existing exhaust stacks. The tanks will have an integrated assembly with a cold box and control system to control bunkering and vaporization of the LNG to gas for use in the engines. The tanks will be manufactured using the same technology used in over-the-road LNG truck trailers. The capacity of each tank will be 100 m³ (26,000 gal), resulting in a total capacity of 200 m³ (52,000 gal). LNG will be transported to the vessels by dedicated over-the-road tractor trailers that carry 10,000 gallons of LNG. Each vessel will require fueling by two trucks once every seven to ten days. A complete description of the operation can be found in Attachments (2) through (5).
5. A complete description of the proposed routes (with maps) for ferries fueled by LNG, with descriptions of the commercial, industrial, environmentally sensitive and residential areas adjacent to those routes can be found in Attachment (6) of the WSA documentation.

If you have questions regarding this LOI or the attached WSA documentation please contact Mr. Darnell Baldinelli, Safety Systems Manager, at 206-515-3905 or baldind@wsdot.wa.gov.

Sincerely,



George A. Capacci

Interim Assistant Secretary

Washington State Department of Transportation, Ferries Division

Attachments:

- (1) Executive Summary of Washington State Ferries' Liquefied Natural Gas (LNG) Project Updated June 27, 2014
- (2) Safety and Navigational Risk Assessment for LNG-Fueled Passenger Ferry Vessels, PP061307-2, Rev. 2
- (3) Appendix 1, Safety Risk Assessment Study Basis, PP061307-02, Rev. 02
- (4) Appendix 2, Navigational Risk HAZID Workshop, PP061307-02, Rev. 02
- (5) Appendix 3, Safety Risk HAZID Workshop, PP061307-02, Rev. 02
- (6) Appendix 4, Descriptions of Ferry Routes and Terminals, PP061307-02, Rev. 02
- (7) Security Assessment for LNG Fueled Passenger Ferry Vessels, PP061307-1, Rev. 1
- (8) LNG Operations Manual, PP061307-3, Rev. 2