





City of Seattle Boards & Commissions Notice of Appointment

Appointee Name: <i>Amy Liu</i>		
Board/Commission Name: <i>Seattle Fire Code Advisory Board</i>		Position Title: <i>Marine Industry Representative</i>
<input type="checkbox"/> Appointment OR <input checked="" type="checkbox"/> Reappointment		Council Confirmation required? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Appointing Authority: <input type="checkbox"/> Council <input checked="" type="checkbox"/> Mayor <input type="checkbox"/> Other: <i>Fill in appointing authority</i>	Date Appointed: <i>2/1/2021</i>	Term of Position: * <i>9/24/2021</i> to <i>9/23/2024</i> <input type="checkbox"/> <i>Serving remaining term of a vacant position</i>
Residential Neighborhood: <i>Magnolia</i>	Zip Code: <i>98199</i>	Contact Phone No.: 
Background: <p><i>Ms. Liu has been a tremendous asset to the Seattle Fire Department and the Fire Code Advisory Board during her first term. Ms. Liu has been involved in the marine industry for over ten years and we believe her to be the first and only female certified Marine Chemist in the country. She currently serves as an NFPA certified Marine Chemist for Sound Testing. Ms. Liu gained her NFPA certification in 2007 after achieving her Master of Science degree in Environmental Health from the University of Washington in 2006 and her Bachelor of Science in Chemistry from Seattle University in 2003. Ms. Liu is also certified as a Shipyard Competent Person (SCP) and teaches SCP and Hazardous Waste Operations and Emergency Response (HAZWOPER) courses for the maritime industry.</i></p> <p><i>Ms. Liu has extensive knowledge of NFPA standards and has over 2,000 certificates issued. Some of her duties as an NFPA certified Marine Chemist include inspection and certification during confined space entry and/or ship repair in accordance to NFPA and OSHA regulations. Since 2016, Ms. Liu has served as an OSHA Outreach Trainer at the University of Washington instructing courses on OSHA policies, procedures, and standards for the maritime industry. She is also a member of the federal Maritime Advisory Committee for Occupational Safety and Health (MACOSH) and locally volunteers with the Puget Sound Shipbuilders Association (PSSA) and the Society of Port Engineers of Puget Sound (SOPE).</i></p> <p><i>Ms. Liu works professionally with many different ship repair yards and companies in Seattle and the Puget Sound area that are directly impacted by the Seattle Fire Code on a daily basis. Her considerable experience in the marine industry and as a NFPA certified Marine Chemist in Seattle make her a strong fit to continue to represent the Marine Industry on the Fire Code Advisory Board.</i></p>		
Authorizing Signature (original signature):  Date: <i>3/9/2022</i>	Appointing Signatory: <i>Bruce A. Harrell</i> <i>Mayor of Seattle</i>	

*Term begin and end date is fixed and tied to the position and not appointment date.

Amy Liu

Experience

NFPA Marine Chemist

2007-Present

Sound Testing, Inc. [REDACTED]
[REDACTED]

Duties as a NFPA certified Marine Chemist include inspection and certification during confined space entry and or ship repair in accordance the National Fire Protection Association (NFPA) and Occupational Safety & Health Administration (OSHA) regulations. I have over 2,000 NFPA certificates issued. Sound Testing, Inc. has been servicing the maritime industry since 1979. The company performs inspections for workers' safe entry and work as well was fire prevention and explosion dangers. Many contractors also use our services to avoid similar hazards in underground tanks, shore tanks and pipelines in the general industry.

- Testing for oxygen content in the atmosphere, concentrations of flammable materials, and toxic materials from previous cargoes as well as visual inspections of the areas.
- Inertions: Introducing inert media into confined spaces such as tanks or piping, which may contain fuel, during hot work repairs.
- Assign specific designations to areas in accordance with the National Fire Protection Association Standards.
- Communicate with workers as an independent-third party so workers may be confident that this space is safe to enter, and is free of fire or explosion dangers.
- Personal sampling of employee exposures to airborne hazards such as total particulate and respirable dust, lead in paint dust, silica, Portland Cement as recommended by NIOSH and ACGIH.
- Chlorination and purification of potable water systems on marine vessels.
- Hydraulic and lubricating oils contamination by solid particles ISO & NAS analysis and water content analysis.
- Recommend and assign engineering controls, respiratory protection and other personal protective equipment based on inspection of spaces and hazards.
- Administer Quantitative Fit tests for respiratory protection.
- Instruct Shipyard Competent Person (SCP) Courses and Hazardous Waste Operations and Emergency Response (HAZWOPER) courses for the maritime industry.
- Safety Consulting: Site Safety Plan development, environmental & industrial hygiene consulting.

University of Washington OSHA Outreach Trainer

2016-Present

Instruct OSHA courses for the University of Washington covering OSHA policies, procedures, and standards for the maritime industry.

Shipyard Competent Person

2003-2007

Sound Testing, Inc. Duties as a Shipyard Competent Person included working in local ship repair yards including Todd Pacific Shipyards, and Foss Maritime's health and safety departments. The role of the Shipyard Competent person is to recognize and evaluate worker exposures to hazardous substances and other unsafe conditions.

Education

National Fire Protection Association

2007

Marine Chemist Certificate No. 706

University of Washington

2006

Master of Science Degree: Environmental Health: Industrial Hygiene

Seattle University

2003

Bachelor of Science Degree: Chemistry

Volunteer

Maritime Advisory Committee Occupational Safety & Health (MACOSH)

Puget Sound Shipbuilders Association Member

Society of Port Engineers Member

My name is Amy Liu. I'm applying to join the Fire Code Advisory Board (FCAB) to represent the marine industry. I am a life-long resident of Seattle and work in the maritime industry around the city. I work as a Marine Chemist for Sound Testing, Inc. which has provided fire and explosion prevention services since 1979. As a local Marine Chemist, I regularly advise and communicate with many maritime industry people in the Port of Seattle and the Puget Sound area.

As the first and only female certified Marine Chemist in the country I have a responsibility and commitment to furthering women in the trades and other traditionally male-dominated industries-

My personal goal is to improve communication in every aspect of my work life. I believe that bringing people together to deal with important topics such as public safety will build stronger ties and a stronger community.

On the national level I am currently on the federal Maritime Advisory Committee for Occupational Safety and Health (MACOSH). This committee advises the Secretary of Labor on maritime industry concerns. This is a great opportunity for me to bring Seattle and Puget Sound concerns to the national level and vice versa. Building this important bridge could keep our local industry personnel current with maritime information from around the country.

On the local level I also volunteer with groups such as including the *Puget Sound Shipbuilders Association (PSSA)* and the *Society of Port Engineers of Puget Sound (SOPE)*. These organizations bring together many maritime interests to share information and work constructively together. I have served on the SOPE Board of Governors several times and in 2015 was the Board Chair.

I am also an instructor for the University of Washington's continuing education program of OSHA outreach courses. This is a further opportunity to connect with managers from many maritime companies around the Puget Sound.

On a personal note, my husband is on the governing board of the non-profit group *Interlm CDA*. The two of us volunteer our time and resources to this group that acts as advocates for the International District, Asian, Pacific Islander and Immigrant communities in the region. (One of the focuses of this non-profit is building affordable housing in the city.)

My job as a Marine Chemist allows me to interact with many maritime companies and travel to different facilities. I work at small boat yards that repair small fish boats, larger shipyards that work on factory fish processors, cruise ships, military shipyards, and in port facilities. Having access to many different work environments gives me a broad perspective of the different practices and procedures that companies follow.

As a member of the Fire Code Advisory Board my maritime experiences, and community support will add a unique aspect to the Board and will support in the creation robust policies. This can be a great opportunity to bridge together a national committee, local industry, non-profit groups and the community with the important changes and information the Fire Code Advisory Board distributes. Thank you for considering my application. Attached is a copy of my resume. Please feel free to contact me with any questions.

Sincerely,
Amy Liu

Seattle Fire Code Advisory Board

15 Members: Pursuant to Ordinance 124707, all members subject to City Council confirmation, 3-year terms:

- 15 Mayor- appointed

Roster:

*D	**G	RD	Position No.	Position Title	Name	Term Begin Date	Term End Date	Term #	Appointed By
			1.	Architect	Vacant				Mayor
6	F		2.	Chemical Engineer	Tara L. Henriksen	9/1/21	8/31/24	4	Mayor
6	F		3.	Mechanical Engineer	Rae Anne Rushing	4/1/21	3/31/24	6	Mayor
6	M		4.	BOMA	Shawn Wood	N/A	3 years from Council confirmation	1	Mayor
			5.	Insurance Industry	Vacant				Mayor
1	F		6.	Marine Industry	Amy Liu	9/24/21	9/23/24	2	Mayor
6	M		7.	Port of Seattle	Chris Todd	8/15/20	8/14/23	2	Mayor
6	M		8.	Manufacturing/ Warehouse	Fritz Chess	6/1/22	5/31/25	3	Mayor
6	M		9.	Research Labs	Kurt Howell Lustig	6/1/22	5/31/25	3	Mayor
6	M		10.	Fire Protection Industry	Kevin Marr	8/15/20	8/14/23	2	Mayor
			11.	Public	Vacant				Mayor
			12.	Public	Vacant				Mayor
6	M		13.	Labor	Ricky Campbell	N/A	3 years from Council confirmation	1	Mayor
3	M		14.	Major Institutions	Hugo Sotelo	6/1/22	5/31/25	3	Mayor
2	F		15.	Services Industry	Carlene M. Comrie	5/15/20	5/14/23	2	Mayor

SELF-IDENTIFIED DIVERSITY CHART

					(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Male	Female	Transgender	NB/ O/ U	Asian	Black/ African American	Hispanic/ Latino	American Indian/ Alaska Native	Other	Caucasian/ Non-Hispanic	Pacific Islander	Middle Eastern	Multiracial
Mayor	9	4			1	1	1			10			
Council													
Other													
Total	9	4			1	1	1			10			

Key:

*D List the corresponding *Diversity Chart* number (1 through 9)

**G List *gender*, M= Male, F= Female, T= Transgender, NB= Non-Binary, O= Other, U= Unknown

RD Residential Council District number 1 through 7 or N/A

Diversity information is self-identified and is voluntary.