

Educating a Skilled and Trained Workforce in the Petrochemical Industry





Thank you for joining us, the moderator will start the meeting momentarily.

Key reminders for participants –

- Please keep your microphone on mute unless you are speaking, this reduces any background noise.
- If you would like to ask a question, there are two avenues for you to do so:
 - **You may type the question into the chat box.**
 - The chat option is located in the middle of the bar at the bottom of your screen. Once you click on it, there will be a chat area on the right side of your screen where you can view the exchange of dialog between the members of the meeting and type in your questions or comments.
 - The moderator will acknowledge your question to the presenter.
 - **You may also use the raise hand feature in the participants box.**
 - The feature is located next to your name on the right side of your screen.
 - Please wait to be called on by the moderator before you speak.



Schedule for this afternoon

- Review training and curriculum requirements in RCW 49.80/HB 1817
- Discuss training models and topics
- Discuss timeline and next steps



RCW 49.80.020

- Advanced safety curriculum
 - The department in consultation with the Washington state apprenticeship and training council shall approve a curriculum of in-person classroom and laboratory instruction for approved advanced safety training for workers at high hazard facilities.



RCW 49.80.020

- Advanced safety curriculum
 - The safety training must be provided by a training provider, which may include a registered apprenticeship program, approved by the department.
 - Upon receipt of certification from the approved training provider, the department must issue a certificate to a worker who completes the approved curriculum.



RCW 49.80.020

- Advanced safety curriculum
 - The department may accept a certificate or other documentation issued by another state if the department finds that the curriculum and documentation of the other state meets the requirements of this subsection.



RCW 49.80.030

- By January 1, 2022, all workers in the skilled and trained workforce must have completed within the past three calendar years at least twenty hours of approved advanced safety training



Similar rules already exist

- WAC 296-65, ASBESTOS REMOVAL AND ENCAPSULATION
 - Program administration requirements
 - Training course content
 - Issuing certifications
 - Training course approval



What is the benefit of a contractor 'prequalification' training program?

- ✓ Training contract workers for refinery work is intended to augment, not replace, workplace safety training required of all employers.
- ✓ Contractor safety is increased since the training materials are consistent across the board.
- ✓ Refinery employers are assured of the level and type of training that contractors have.



Training Organization Models

- Independent firms that offer training subjects.
- Industry cooperatives—refinery employers contribute to a training program that includes their specific training material.
- 501(c)3 non-profits.
- Programs such as CSTOP that provide material but contract with and train via local community colleges, union halls, and company training centers.

Total training generally takes 20-24 hours (about 3 days) depending on refinery wants/needs. Courses are also taught in Spanish.

Training organizations typically provide the students with a card or other such ID that demonstrates the qualification of the worker.



Training Topics:

- Site-specific procedures, policies, processes, hazards, emergency response, etc. The refinery employer authors the material and has the training center provide it to students.

Fundamentals of the petroleum refining industry (This is from Cal/OSHA):

- Refinery safety overview
- Crude oil and its properties
- Classes of refinery processes and refinery configurations
- Properties of the refinery-produced streams
- Refinery hazards and emergency response procedures
- (and so on)

Most organizations don't require that contractors have a deeper understanding of the refining industry.



Categories of training:

- ✓ Site-specific material (as written by the refinery employer for all prospective contractors)
- ✓ Training for upcoming turnarounds
- ✓ Specialty courses (confined space, LO/TO, etc.)
- ✓ Hands-on training
- ✓ Online training
- ✓ Instructor-led training
- ✓ New hire training
- ✓ OSHA 10-hour construction/Hazwoper training

In some cases, contractor employers provide the course material to the training organization, and have the instructors there train contract employees on required basic safety programs. This is especially true of contract companies that may not have safety trainers on staff.



Addressing Overlap/Reciprocity:

Many training modules are the same, except employer-specified training.

Reciprocity should be easily attainable as much of the course material is based on OSHA compliance.



Organizations reviewed:

- U.S. Department of Energy
- CalOSHA
- Refinery employer training (information found on internet)
- Association of Reciprocal Safety Councils
- CSTOP



Next steps

- Begin work on draft rule in the fall of 2020*
 - 1st draft and initial stakeholder meetings in early 2021
 - Public hearings and rule adoption mid-2021

*Rulemaking timeline is an estimate at this time
- Additional meetings to discuss the training curriculum will be held over the next several months



Questions?

Alan Lundeen

Alan.Lundeen@lni.wa.gov

(360) 902-4758