



PORTLAND FIRE & RESCUE



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Tom Armstrong
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Mr. Armstrong,

Due to the magnitude and complexity of the Pembina project, Portland Fire & Rescue (PF&R) will require assistance from a technical advisor to review and inspect the proposed facility while it's being constructed. The technical advisor will be required to have the requisite knowledge and experience in the petroleum industry, specifically related to liquefied petroleum gas, and must be qualified to perform the necessary plan review, inspections and acceptance testing.

With guidance from the technical advisor, Portland Fire & Rescue's (PF&R), the Bureau of Development Services (BDS) and the Oregon Office of State Fire Marshal (OSFM) will collaborate to review the construction, architectural and engineering documents prepared by an Oregon registered design professional. The review will focus on technical accuracy, compliance with applicable codes and standards, and on implementation of the petroleum industry's "best practices".

In collaboration with a technical advisor, the PF&R Fire Plan Review Team anticipates it will conduct fire plan review, inspections and acceptance testing in the following areas:

- Propane and other hazardous materials storage tanks
- Propane and other hazardous materials piping/process
- Gas detection
- Fire department access
- Fire department water supply
- Fire suppression systems
- Fire detection and alarm systems

The review will also include all mandated technical analysis and assessments for compliance with applicable codes, standards and the industry's best practices accepted by PF&R, BDS and OSFM. To minimize any potential for a catastrophic event, risk factors will be reviewed by the technical advisor to ensure that appropriate redundant mitigating safety systems are in place.

When the project is complete and the facility is operational, inspections will be conducted on a routine basis by both the OSFM (annual) and PF&R (biennial). These fire and life safety inspections will ensure that the buildings, structures, equipment and safety features are being properly maintained and tested in accordance to the national standards.

Respectfully,

Nate Takara
Fire Marshal
Portland Fire & Rescue