

## Armstrong, Tom

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**From:** Whitehill, Terry  
**Sent:** Thursday, July 7, 2022 8:31 AM  
**To:** Armstrong, Tom; Papaefthimiou, Jonna  
**Subject:** RE: Fossil Fuels - containment

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Tom,  
Here is the code section for containment from the 2019 OSSC.

### SECTION 444 FLAMMABLE AND COMBUSTIBLE LIQUIDS

444.4.1.8 Drainage and diking. The area surrounding a tank or group of tanks shall be provided with drainage control or shall be diked to prevent accidental discharge of liquid from endangering adjacent tanks, adjoining property or reaching waterways.

Exceptions:

1. The building official is authorized to alter or waive these requirements based on a technical report that demonstrates that such tank or group of tanks does not constitute a hazard to other tanks, waterways or adjoining property after consideration of special features such as topographical conditions, nature of occupancy and proximity to buildings on the same or adjacent property, capacity, construction of proposed tanks and character of liquids to be stored, and nature and quantity of private and public fire protection provided.
2. Drainage control and diking is not required for listed secondary containment tanks.

444.4.1.8.1 Volumetric capacity. The volumetric capacity of the diked area shall be not less than the greatest amount of liquid that can be released from the largest tank within the diked area. The capacity of the diked area enclosing more than one tank shall be calculated by deducting the volume of the tanks other than the largest tank below the height of the dike.

444.4.1.8.2 Diked areas containing two or more tanks. Diked areas containing two or more tanks shall be subdivided in accordance with NFPA 30.

444.4.1.8.3 Protection of piping from exposure fires. Piping shall not pass through adjacent diked areas or impounding basins unless provided with a sealed sleeve or otherwise protected from exposure to fire.

444.4.1.8.4 Equipment, controls and piping in diked areas. Pumps, manifolds and fire protection equipment or controls shall not be located within diked areas or drainage basins or in a location where such equipment and controls would be endangered by fire in the diked area or drainage basin. Piping above ground shall be minimized and located as close as practical to the shell of the tank in diked areas or drainage basins.

Exceptions:

1. Pumps, manifolds and piping integral to the tanks or equipment being served, which is protected by intermediate diking, berms, drainage or fire protection such as water spray, monitors or resistive coating.
2. Fire protection equipment or controls that are appurtenances to the tanks or equipment being protected, such as foam chambers or foam piping, water or foam monitors and hydrants, or hand and wheeled extinguishers.

Terry Whitehill, Building Official  
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Schedule: TU-F 7:30 AM to 5:00 PM

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**From:** Armstrong, Tom <Tom.Armstrong@portlandoregon.gov>

**Sent:** Thursday, July 7, 2022 8:09 AM

**To:** Whitehill, Terry <Terry.Whitehill@portlandoregon.gov>; Papaefthimiou, Jonna  
<Jonna.Papaefthimiou@portlandoregon.gov>

**Subject:** Fossil Fuels - containment

**Importance:** High

I am working on the findings for the zoning code ordinance. With a deadline of today at 5:00pm

Where is the regulation that sets containment at the largest tank?

Is there any documentation of the oil spill response capacity?

Any reports from the table top exercises?

Thanks

Tom