

**WAC 480-75-370 Design factor (*F*) for steel pipe.** Except as otherwise provided in subsections (1), (2) and (3) of this section, the design factor a pipeline company used in the design formula in 49 C.F.R. Section 195.106 for new pipelines is determined in accordance with the following table. The applicable version of the Code of Federal Regulations and how to obtain it is set out in WAC 480-75-999, Adoption by reference.

Class location	Design factor ( <i>F</i> )
1	0.72
2	0.60
3	0.50
4	0.40

(1) For Class 1 locations a design factor of 0.60 or less must be used in the design formula in 49 C.F.R. Section 195.106 for steel pipe in Class 1 locations that:

(a) Crosses the right of way of an unimproved public road, without a casing;

(b) Crosses without a casing, or makes a parallel encroachment on the right of way of either a hard-surfaced road, a highway, a public street, or a railroad;

(c) Is supported by a vehicular, pedestrian, railroad, or pipeline bridge; or

(d) Is used in a fabricated assembly (including mainline valve assemblies, cross-connections, and river crossing headers).

(2) For Class 2 locations, a design factor of 0.50, or less, must be used in the design formula in 49 C.F.R. Section 195.106 for uncased steel pipe that crosses the right of way of a hard-surfaced road, a highway, a public street, or a railroad.

(3) For Class 1 and Class 2 locations, a design factor of 0.50, or less, must be used in the design formula in 49 C.F.R. Section 195.106 for:

(a) Steel pipe in a pump station; and

(b) Steel pipe (including a pipe riser, on a platform located offshore or in inland navigable waters).

[Statutory Authority: RCW 80.01.040, 80.04.060, 81.88.040. WSR 08-12-045 (Docket PL-070974, General Order R-548), § 480-75-370, filed 5/30/08, effective 6/30/08. Statutory Authority: RCW 80.01.040 and 80.04.160. WSR 02-18-032 (Docket No. TO-000712, General Order No. R-500), § 480-75-370, filed 8/26/02, effective 9/26/02.]