

TR 19-07 – GM – Test Limitations for Plastic Pipe

PRIMARY: 192.513 and 192.720

RESPONSIBLE GROUP: Plastic Task Group

PURPOSE: Review existing GM regarding testing and leak repair and revise as appropriate in light of Amendment 192-124 on the maximum leak test pressure using a design factor of 0.4 during the summer when the ambient temperature could approach 120F.

ORIGIN/RATIONALE: Amendment 192-124

Note: Revisions are shown in **yellow highlight** and **red font**.

Section 192.509 {Editorial items}

2 TEST DURATION

- (a) See ~~4(a)-5(a)~~ and (b) of the guide material under §192.513.

[In **TABLE 192.509i**, revise Note 1 as follows:]

Notes:

1. See ~~4(d)-5(d)~~ and (e) of the guide material under §192.513 for an explanation of the calculations used to prepare this table.

Section 192.513

~~This guide material is under review following Amendment 192-124.~~

1 JOINTS

2 ODORANT

3 TEMPERATURE LIMITATIONS

~~4 TEST PRESSURE LIMITATIONS FOR PIPELINES USING 0.4 DESIGN FACTOR~~

~~To prevent failures during pressure testing, the maximum pressure should not exceed 2.0 times the design pressure of the pipe calculated in accordance with §192.121 using the pipe material HDB adjusted for average pipe wall temperatures during the test. If the intended or actual test pressure exceeds 2.0 times the design pressure, consult with the pipe manufacturer.~~

~~4-5 TEST DURATION~~

~~5-6 SAFETY CONSIDERATIONS~~

~~6-7 OTHER~~

GMA G-192-9 {Editorial item}

Notes:

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- (9) Duration determined by volumetric content of test section, test medium, test pressure, thermal effects, leak criteria, and instrumentation in order to ensure discovery of all potentially hazardous leaks. See 2 of the guide material under §192.509 and ~~4-5~~ of the guide material under §192.513.

TR 19-07 – GM – Test Limitations for Plastic Pipe

Page 2 of 2

GMA G-192-10 {Editorial item}

Notes:

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(10) See [45](#) of the guide material under §192.513.