

**9480200 – Misc. Types of Pipe
Response To Comments From Industry Review**

Ed Petersen

Comment:

The area in red has been struck from the spec section. Is this requirement upheld elsewhere or are we going by ASTM standards with no requirements for suppliers?

948-2.3.1 General

Obtain pipe products from producers listed on the Department’s List of Qualified Flexible Pipe Manufacturing Plants, which may be viewed at the following: www.dot.state.fl.us/statematerialsoffice/quality/programs/qualitycontrol/materialslistings/sources/drainagesource.pdf .

Response: The requirement for producers is in Section 105 and Section 430. It is redundant in 948. The supplier requirements still apply.

Greg Weich

gregory.weich@dot.state.fl.us
813-744-6070

Comments:

948-2.3.1, remove the fourth paragraph and replace it with the third paragraph from 407-1, revision 10-15-07

Response: The requirement for producers is in Section 105 and Section 430. It is redundant in 948. Requested change was made in 430. No change made in 948.

Doug Holdener

dholdener@rinker.com
561.352.8959

Comment 1

The reference to the cell classification should also reference ASTM D3350 current edition.

RESPONSE: Agree; addition will be made. Thanks.

Comment 2

We understand that ASTM D3350 density cell class of “3” was bisected from a previous range of 0.941-0.955 into two designations “3” for 0.940 – 0.947 and “4” for 0.947 – 0.955. This will have the effect of raising the allowable average HDPE density from 0.948 to 0.951. Changing material density properties typically effects other properties, such as brittleness, strength, and cracking response. How will the Department anticipate and/or monitor changes in field performance given that the product will be more dense on average, yet also likely more brittle?

RESPONSE: The new cell class will not increase the average density of the materials being used. The intent of the spec change was to create a tighter range and to eliminate the low end of the specification. The lower density material is not suitable for pipe stiffness and was not being used by any of our pipe manufacturers.

Comment 3

Were the Class II criteria proposed in Table 1 calibrated for HDPE with the previous ASTM D3350 cell class or the proposed cell class with the change in density?

RESPONSE: The revisions to Table 1 are based on round-robin testing using cell class 435400C. Pipe manufactured from earlier specified resins will not meet the requirements of Table 1.

Comment 4

Of all the HDPE pipe materials submitted for proposed approval per Table 1, were they manufactured using HDPE resins meeting the older density (0.941 – 0.955 class 3) or the proposed density range (0.947 – 0.955 class 4)?

RESPONSE: All pipe submitted for approval under Section 948, Class II pipe utilized resin under ASTM D3350 cell class 435400C.

Comment 5

The pipe specification for concrete pipe (Section 449) makes specific reference to Section 105-3 for quality control requirements, to the Department’s list of approved producers, and to the contractor’s responsibilities for obtaining products from a plant with an approved quality control program. However, this language has been stricken from the proposed Section 948 for plastic pipe. We are concerned that these important QC issues will be either inadvertently overlooked or will be not applied in a universal manner. Further, it lends the appearance that plastic piping material is less thoroughly regulated.

RESPONSE: This requirement was moved to Revised Section 430 and also appears in Section 105.

Comment 6

The spec origination statement mentions that “Section 948 should reference Materials Manual Section 6.1 Volume II” and also that “this change is being made in conjunction with Specification 430 which links to Materials Manual Section 6.1 Volume II.” The Materials Manual site indicates that Volume II of Section 6.1 is still “under development,” therefore a complete and thorough review of the proposed specification Section 948 is not feasible at this time. Volume II of Section 6.2 for rigid pipe is dated August 2006. What is the deadline for Volume II of Section 6.1?

RESPONSE: Materials Manual, Section 6.1, Volume II has completed the review process and will be implemented concurrent with Revised Section 430.

Comment 7

What is the definition of “manufacturers lot?”

RESPONSE: Materials Manual, Section 6.1, Volume II, Article 6.1.11.6(D) “A LOT is defined as a single production run or a minimum of one week production, whichever is sooner.”...

Christopher Wood
D2 Construction
(904) 360-5673

Comment

Is this saying that we accept pipes that are not listed on the Departments list of qualified flexible pipe manufacturing plants? Do we accept pipes from any plant?

Response: The requirement for producers is in Section 105 and Section 430. It is redundant in 948. The supplier requirements still apply.
