



Code Modification for Air Testing Plastic Pipe

Cityofkyle.com | Phone: 512-262-3911
<https://www.cityofkyle.com/building/page/apply-online-permits-inspections-and-plans>

This Code modification is written in accordance with section 105.1 of the 2021 International Plumbing Code (IPC). We realize that code modifications are intended for “individual cases, upon application of the owner or owner’s authorized agent.” But the practical difficulties created by prolonged drought conditions, current water restrictions, increased occurrences of water theft and limited availability of water on construction sites have left Kyle with a need to modify that portion of the code as well as the sections listed below.

We will be modifying the testing provisions listed in section 312.3 of the 2021 IPC to allow the use of air for testing plastic pipe. We will also be modifying the parameters established in section 105.1 of the 2021 IPC to allow the Building Official to grant modifications for all construction projects in the City of Kyle until such time as the code can be amended to allow air testing.

We believe the parameters we’ve established to utilize air as a test medium will meet the intent of the code and mitigate any potential hazards typically associated with air testing plastic pipe.

- The air test shall be made by filling the system with air or any inert gas to a uniform gauge pressure of 3 psi.
- Maxed or “pegged out” gauges will result in an automatic inspection failure.
- Gauges with pressure ranges exceeding 15 lbs. will not be allowed.
- The test pressure must hold for no less than 15 minutes with no perceptible drop in pressure.
- Filling prefabricated tubs and showers with water for testing is strongly discouraged.

For Office Use Only

If this Modification or Alternate Method of Compliance is Not Approved the Building Official Shall respond in Writing, Stating the reason why it was not approved

☐ Fire Department Concurrence Required

☒ Approved

☐ Not Approved

By: [Signature] Title: Building Official Date: 6/15/25

By: _____ Title: _____ Date: _____

By: _____ Title: _____ Date: _____

By: _____ Title: _____ Date: _____