

FORM FOR PROPOSALS ON IAPMO UPC/UMC COMMITTEE DOCUMENTS

NOTE: All proposals MUST be received by 5:00 PM EST/EDST on February 1, 2010.

For further information on the standards-making process, please contact the Codes and Standards Administration at 909-472-4110.

For technical assistance, please call IAPMO at 909-472-4111.

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1. **IAPMO Document Title** 2009 Uniform Plumbing Code _____ **IAPMO No. & Year** IAPMO/ANSI UPC-1-2009

Section/Paragraph 601.2.2, 1610.1, 1610.2, 1617.1, 1617.2

2. **Proposal Recommends** (check one): New Text Revised Text Deleted Text
3. **Proposal** (Include proposed new wording, or identification of wording to be deleted): [Note: Proposed text should be in legislative format: i.e., use underscore to denote wording to be inserted (inserted wording) and strike-through to denote wording to be deleted (~~deleted wording~~).] Please note if you are referencing a standard or other publication, please provide two copies.

601.2.2 Color and Information – Each system shall be identified with a colored pipe or band and coded with paints, wraps and materials compatible with the piping

Except as required in sections ~~4610.0 and~~ 1617.0, nonpotable systems shall have a yellow background with black uppercase lettering with the words: "CAUTION: NONPOTABLE WATER, DO NOT DRINK". Each nonpotable system shall be identified to designate the liquid being conveyed and direction of normal flow shall be clearly shown. The minimum size of the letters and length of the color field shall conform to Table 6-1.

The background color and required information shall be indicated every twenty (20) feet (6,096 mm) but not less than once per room and shall be visible from floor level.

1610.0 Gray Water Systems. (see Figures 16-1, 16-2, 16-3 and 16-4.) Gray water systems shall comply with Sections 1610.1 through 1610.4.

1610.1 Pipe Materials – Gray water pipe, valves and fittings and shall conform to the requirements of Section 604.0, 605.0 and 606.0.

1610.2 Color and Information All gray water systems shall comply with Section 601.2.2. ~~have a purple background with black uppercase letters, with the words, "CAUTION: NONPOTABLE WATER DO NOT DRINK". The minimum size of the letters and length of the color field shall conform to Table 6-1. The background color and required information shall be indicated every twenty (20) feet (6,096 mm) but not less than once per room and shall be visible from floor level. Marking is not required for pipe manufactured with purple color integral to the pipe and marked with black uppercase lettering to read, "CAUTION: NONPOTABLE WATER DO NOT DRINK", in intervals not to exceed five (5) feet (1,524mm). All valves, except fixture supply control valves shall be equipped with a locking feature.~~

1617.0 Pipe Materials/Pipe Identification.

Reclaimed water shall comply with sections 1617.1 and through 1617.2.1

1617.1 Pipe Materials – Reclaimed water pipe, valves and fittings shall conform to the requirements of Sections 604.0, 605.0 and 606.0

1617.2 Color and Information. Only reclaimed water systems shall have a purple background with black uppercase lettering with the words “CAUTION: RECLAIMED WATER, DO NOT DRINK.” All other nonpotable water systems shall comply with Section 601.2.2

Statement of Problem and Substantiation for Proposal: [Note: State the problem that will be resolved by your recommendations: give the specific reason for your proposal including copies of tests, research papers, etc. If more than 200 words, it may be abstracted for publication.]

The 2009 and decades of previous versions of the UPC, specify yellow pipe with black lettering for labeling piping with non-potable water. The 2009 and decades of previous versions of the UPC also have a section (Section 12) for Fuel Piping which does not specify a color. The proposed specification that would place gray water in purple pipes creates confusion with onsite with municipally produced and distributed reclaimed or recycled water, which is treated to a much higher level than untreated gray water. Use of purple pipe to carry untreated wastewater could result in cross connection of untreated wastewater with reclaimed water that is treated to a much higher standard and expose individuals to untreated wastewater when they may anticipate a high quality reclaimed water.

While concern has been expressed that there are existing gray water systems that employ purple pipe, Section 601.2.2 allows for banding and wrapping as well as integrally colored piping which provides for simple, cost-effective labeling changes.

While concern has been expressed that municipal utilities to not have an interest in building plumbing, municipal utilities in California are responsible, under California law, for the design, construction and operation of reclaimed (recycled water systems) when the utility is the producer or distributor of reclaimed water. Utilities are required, by their permits to design and operate their systems in a manner that will prevent cross connections. The proposed Code changes, which allows untreated gray water to be conveyed in purple pipelines fundamentally undermines the municipal utilities' ability to reliably comply with their permit conditions.

4. **This Proposal is original material.** [Note: Original material is considered to be the submitter's own idea based on or as a result of his/her own experience, thought or research and, to the best of his/her knowledge, is not copied from another source.)

This Proposal is not original material, its source (if known) is as follows: This proposal is consistent with comments provided by the American Waterworks Association, the Water Environment Federation and the Water Reuse Association.

I hereby grant the IAPMO all and full rights in copyright, in this proposal, and I understand that I acquire no rights in any publication of IAPMO in which this proposal in this or another similar or analogous form is used.

Signature (Required): _____

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Mail to: Code Development • IAPMO • 5001 E Philadelphia St • Ontario • CA • 91761-2816
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INSTRUCTIONS FOR SUBMITTING PROPOSALS – PLEASE READ CAREFULLY –

1. Type or print in BLACK ink.
2. Indicate the title of the document and the document year. Also, indicate the specific section or paragraph that the proposed amendment applies to.
3. Check the appropriate box to indicate whether this proposal recommends adding new text, revising existing text, or deleting text.
4. In the space identified as “Proposal,” indicate the exact wording you propose as new or revised text, or the text you propose be deleted.
5. In the space titled, “Statement of Problem and Substantiation for Proposal,” state the problem that will be resolved by your recommendation and give the specific reason for your proposal. Include copies of test results, research papers, fire experience, or other materials that substantiate your recommendation. (See note below, item (f).)
6. Check the appropriate box to indicate whether or not this proposal is original material, and if it is not, indicate the source of the material.
7. Sign the proposal.

If supplementary material (photographs, diagrams, reports, etc.) is included, you may be required to submit sufficient copies for all members and alternates of the technical committee. For publication in the *Report on Proposals*, the technical committee is authorized to abstract the “Statement of Problem and Substantiation for Proposal” if it exceeds 200 words.

NOTE: The IAPMO Regulations Governing Committee Projects in Paragraph 4-3.3 state: Each proposal shall be submitted to the council secretary and shall include: (a) identification of the submitter and his or her affiliation (i.e., technical committee, organization, company), where appropriate; (b) identification of the document, edition of the document, and paragraph of the document to which the proposal is directed; (c) the proposed text of the proposal, including the wording to be added, revised (and how revised), or deleted; (d) a statement of the problem and substantiation for proposal; (e) the signature of the submitter; and (f) two copies of any document(s) (other than an IAPMO document) being proposed as a reference standard or publication (see 3-3.7).