

Gallarzo, Wednesday R

From: Garcia, Daniela
Sent: Monday, August 14, 2017 9:12 AM
To: Gallarzo, Wednesday R
Subject: FW: [EXTERNAL] Re: (External):RE: Tub Spout Diverter - Draft Test Plan

From: Bo White [mailto:bo@negawattconsult.com]
Sent: Wednesday, August 2, 2017 9:38 AM
To: Charles Kim <Charles.Kim@sce.com>
Cc: Garcia, Daniela <DGarcia3@semprautilities.com>; Anderson, Mary <M3AK@pge.com>; Barbour, John L <JBarbour@semprautilities.com>; Osann, Ed <eosann@nrdc.org>; Marc Esser <marc@negawattconsult.com>
Subject: [EXTERNAL] Re: (External):RE: Tub Spout Diverter - Draft Test Plan

Hi Charles,

We agree that reporting leakage rate measurements in gallons per minute to two decimal places does not seem sufficient. We are considering proposing a revised reporting requirement of three decimal places. We are also considering other options, such as mandating that containers (and laboratory balances with certain minimum specs) be used instead of flow meters or graduated cylinders.

Considering water pressure, ASME A112.18.1-2012 section 5.3.6.1.2 states:

"Bath and shower diverters shall be tested for rate of leakage at 69 kPa (10 psi) flowing pressure, measured between the diverter and the secondary outlet at 300 mm (12 in) from the diverter, with water at 38 ± 6 °C (100 ± 10 °F)."

I have not found any requirements in ASME A112.18.1-2012 or Title 20 regarding repeating tests, reporting averages, or reporting confidence intervals.

Thanks,
Bo

On Mon, Jul 31, 2017 at 10:40 AM, Charles Kim <Charles.Kim@sce.com> wrote:

Dear Daniela,

I do not have major comments. If I may, I want to point out that two decimal point accuracy may not be enough when we try to differentiate between 0.00 and 0.01 gpm.

I am wondering if ASME A112.18.1-2012 has the test water pressure defined or not. How many times do you need to repeat the test? If multiple, do we ask them to report only average or range or confidence interval?

Thanks.

Charles J. Kim, P.E.

Sr. Engineer

Energy Codes and Standards

1515 Walnut Grove Ave., Rosemead, CA 91770

T. [626-302-0796](tel:626-302-0796)

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From: Garcia, Daniela [mailto:DGarcia3@semprautilities.com]

Sent: Monday, July 31, 2017 8:35 AM

To: Charles Kim <Charles.Kim@sce.com>; Anderson, Mary <M3AK@pge.com>; Barbour, John L <JBarbour@semprautilities.com>; Osann, Ed <eosann@nrdc.org>

Cc: Marc Esser <marc@negawattconsult.com>; Bo White <bo@negawattconsult.com>

Subject: (External):RE: Tub Spout Diverters - Draft Test Plan

All-

Just a reminder to please get back any test plan comments and edits at the earliest.

Thank You,

Daniela Garcia

SoCalGas Customer Programs

Project Manager – Building Codes and Appliance Standards

555 W. 5th Street, Los Angeles, CA 90013 | ML: GT19A6

Office: [213-244-4361](tel:213-244-4361) | Mobile: [951-847-1022](tel:951-847-1022)

DGarcia3@semprautilities.com

From: Garcia, Daniela

Sent: Friday, July 21, 2017 1:52 PM

To: Charles Kim <Charles.Kim@sce.com>; Anderson, Mary <M3AK@pge.com>;
Jessica.Lopez@energy.ca.gov; Barbour, John L <JBarbour@semprautilities.com>; Osann, Ed
<eosann@nrdc.org>

Cc: Marc Esser <marc@negawattconsult.com>; Bo White <bo@negawattconsult.com>

Subject: RE: Tub Spout Diverters - Draft Test Plan

If we could please have any comments by Friday, July 28th.

Thank You,

Daniela Garcia

SoCalGas Customer Programs

Project Manager – Building Codes and Appliance Standards

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From: Garcia, Daniela
Sent: Friday, July 21, 2017 1:24 PM
To: 'Charles Kim' <Charles.Kim@sce.com>; 'Anderson, Mary' <M3AK@pge.com>;
'Jessica.Lopez@energy.ca.gov' <Jessica.Lopez@energy.ca.gov>; Barbour, John L
<JBarbour@semprautilities.com>; 'Osann, Ed' <eosann@nrdc.org>
Cc: 'Marc Esser' <marc@negawattconsult.com>; Bo White <bo@negawattconsult.com>
Subject: Tub Spout Diverters - Draft Test Plan

All,

Attached please find the Tub Spout Diverters Draft Test plan for your input and comments.

Thank You,

Daniela Garcia

SoCalGas Customer Programs

Project Manager – Building Codes and Appliance Standards

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Thank you,

Bo White, PE
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