

From: Singh, Sumeet
Sent: 11/13/2013 9:21:07 AM
To: 'Shori, Sunil' (sunil.shori@cpuc.ca.gov)
Cc:
Bcc:
Subject: FW: Documents for seg 108

Sunil,

Per your request, please refer to the long seam characterization associated with Segment 108 below.

Please let me know if you have any questions or require additional information.

Thank you.

Sumeet

From: Rosenfeld, Michael [mailto:Michael.Rosenfeld@applusrtd.com]
Sent: Friday, October 11, 2013 12:04 PM
To: Singh, Sumeet
Cc: [Redacted]
Subject: RE: Documents for seg 108

Sumeet,

You have requested a confirmation of the seam type in photos of pipe removed from service, labeled T-43-11-B. The appearance of this seam type is a bit ambiguous. As viewed from the outside, the seam has the appearance of early generation AO Smith seams with weld metal deposited by the SMAW process into a groove or over a flash welded joint. However the interior photos show a prominent, narrow weld bead that appears to be the root of a weld pass deposited from the outside. The shape of the interior bead appears to have been formed by weld metal solidifying against a chill bar inside the pipe. Considering both the inside and outside appearances, this seam is a single-sided weld.

Submerged arc seams tend to have a rounded cap whereas this one is wide, flat, and has some

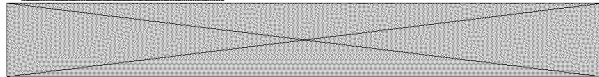
irregularity similar to early AOS SMAW weld caps, so I am unsure what welding process was used to deposit the weld metal in this seam. If you want to categorize it, "SSAW" is adequately descriptive. It is not possible to determine how many passes were used to produce the weld without a metallographic cross section. Finally, I cannot tell you who manufactured the pipe or when other than it was well before 1950.

Regards,

Michael J Rosenfeld, PE
VP & Chief Engineer

Service Line Manager, Fitness for Service

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From: Redacted
Sent: Friday, October 11, 2013 2:12 PM
To: Rosenfeld, Michael
Cc: Singh, Sumeet
Subject: FW: Documents for seg 108

From: Redacted
Sent: Friday, October 11, 2013 10:27 AM

To: [Redacted]
Subject: RE: Documents for seg 108

This is the group of photos from Modesto for this hydro test.

From: [Redacted]
Sent: Friday, October 11, 2013 10:11 AM
To: [Redacted] Singh, Sumeet
Cc: Medina, Joe A
Subject: RE: Documents for seg 108

[Redacted]

We need a shot of the inside of this pipe to verify. Do you know if that's available? If not, can we get to the cut-out?

[Redacted]

From: [Redacted]
Sent: Friday, October 11, 2013 8:51 AM
To: [Redacted] Singh, Sumeet
Subject: Documents for seg 108

For review by Rosenfeld. Documents related to segment 108

[Redacted]

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