

Priority: Normal

Topic: Max over-pressure

Sent: 7/2/96

To: Leeds, Eric

From: Stokley, John (7/2/96)

Subject:
Max over-pressure

Time: 10:25 AM

OFFICE MEMO

Date: 7/2/96

Eric, I am sending you the estimate of the over-pressure for both a deflagration and a detonation, which Joe Price worked on. The pressures for a detonation are higher than for a deflagration, but not high in terms of materials designed to create high pressures and shock waves. Before I take the next step and put together an estimate of level of effort involved in predicting actual damage, I think I should talk with you and/or Fritz. My initial guess is that there would be no breach of fuel pins for the kind of over-pressure Joe is predicting, but I am not an expert. We have people who are, but the modelling of failure mechanisms is not trivial. Let's talk before I procede on this.

Regards, John Stokley and Joe Price

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