

Troy Deighton

From: Robert McNaught <robmcnaught@westnet.com.au>
Sent: Saturday, 25 July 2020 8:15 PM
To: Troy Deighton
Subject: Re: IPC PUBLIC HEARING - NARRABRI GAS PROJECT: FINAL SPEAKER SCHEDULE

I don't see any fire organisations - research or RFS? If I'd realised that, I'd have spoken more on fire. Even locally I didn't get much support from some of the anti-CSG RFS folks or Peter Brookhouse. I was rather relying on them to push the issue.

What has to be demonstrated to the commissioners is that there is a reasonable and potentially common *mechanism* of getting flame from the flare to beyond the cleared periphery. Something that contradicts the standard procedures. One criticism of the Final Assessment is that they assumed *past* climate and not the likely near future when assessing the fire threat. The increasing hot days modify that, but with increased temps comes an even larger change in hot weather phenomena, like storms and dust devils. The latter especially can do the job.

I'm still not sure about the thermal flux of a gas flame being significantly increasing when the flame rotates. This is certainly the case with open fires, like liquid petroleum, but as the gas has a defined flow, I can only assume the thermal flux remains a constant regardless of rotation. Only so much fuel can burn. I've asked a couple of experts about this, but suspect I won't get a reply. The question is probably so basic and obvious it would be an insult to answer. I can hear the emails being crumpled and thrown into the trash as I type.

8mm rain so far.

Bed time.