

From: Gary Holahan , OCM
To: John Hannon; Michael Johnson; Suzanne Black
Date: 4/26/05 3:50PM
Subject: Re: Fire Hose station

Thanks, John.

Gary

>>> John Hannon 04/26/05 03:49PM >>> NFM
We'll get back to you shortly with the answer.

✓>>> Gary Holahan 04/26/05 03:42PM >>> OCM
Suzie,
Mike,
John,

Can you get me a definitive answer (e-mail or phone call ... don't write a paper ...) to a question from the Chairman on fire hose flowrate?

The context for the question relates to the National Academy of Science study of Spent Fuel Pools which suggested that 60 gpm would cool a spent fuel pool. Whether 60 gpm is exactly correct would depend on the circumstances, namely the decay heat load. However, 60 gpm can remove about 9 Mwt so it looks like it's in the right ballpark.

I recall that hose stations are designed for a lot more than 60 gpm ... more like 500 gpm, I think. I am less clear on actual flow from a fire hose on the refueling deck. Can you get me a reliable flow rate estimate for one hose. If there are different answers for different nozzles please provide the range of likely possibilities.

Lastly, if this is controlled by an NFPA standard, that would be good to know.

Gary

CC: Sunil Weerakkody

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