

From: Gary Holahan *OCM*
To: Sunil Weerakkody
Date: 4/26/05 3:50PM
Subject: Re: Fire Hose station

Thanks

>>> Sunil Weerakkody 04/26/05 03:50PM >>> *NLR*
Gary:

I will ask one my staff to answer ASAP.

✓ >>> 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

A-3