HLWYM NPEmails

From: Oleg Povetko
Sent: Monday, May 21, 2007 4:32 PM
To: Christopher Ryder
Cc: Razvan Nes; Fernando Ferrante; Tina Ghosh; Robert Johnson (NMSS)
Subject: RE: HVAC ventilation rates

Thanks, Chris,

I checked on clean HEPA filters, they have rating of so many m^3/sec/m^2/Pa. Are you aware whether there are design requirements for pressure drop (that's Pa) or overall ventilation flow rates (that would be m^3/sec) for pool room while not in refueling mode?

Fernando, what are the effective areas of the filters' (that's m^2 in the rating) that you are looking at?

Oleg.

>
> Oleg,
>
> At a BWR that I studied, the refueling floor area of both units is
> about 132,000 cfm.
>
> In the dry transfer design where DOE had a example HVAC design, the
> normal ventilation rate was about 85,000 cfm.
>
> There are standards of which I am not current with.
>
>
>
> Chris
>
>
> Christopher Ryder
> (301) 415-6102
> NMSS/HLWRS/SPAD/PAS
> High Level Waste Repository Safety
> Site Performance Assessment Directorate Mail Stop T 7 F23 Room T 7K2
> Tel: (301) 415-6102
> Fax: (301) 415-5397
>
> >>> Oleg Povetko <opovetko@cnwra.swri.edu> 05/21/2007 12:46 PM >>>
> Chris,
>
> Could you provide us with available data on the industry pool room
> HVAC ventilation rates, m^3/sec, when HVAC is fully operational?
>
> Thanks.
> Oleg.
>

Hearing Identifier: HLW_YM_NonPublic_EX
Email Number: 41

Mail Envelope Properties (opovetko@cnwra.swri.edu20070521163225)

Subject: RE: HVAC ventilation rates
Sent Date: 5/21/2007 4:32:25 PM
Received Date: 5/21/2007 4:32:25 PM
From: Oleg Povetko

Created By: opovetko@cnwra.swri.edu

Recipients:
"Razvan Nes" <RNES@cnwra.swri.edu>
Tracking Status: None
"Fernando Ferrante" <fferrante@cnwra.swri.edu>
Tracking Status: None
"Tina Ghosh" <Tina.Ghosh@nrc.gov>
Tracking Status: None
"Robert Johnson (NMSS)" <Robert.Johnson@nrc.gov>
Tracking Status: None
"Christopher Ryder" <Christopher.Ryder@nrc.gov>
Tracking Status: None

Post Office:

Files	**Size**	**Date & Time**
MESSAGE	1196	5/21/2007 4:32:25 PM

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received: