Message

From: Dolislager, Fredrick G. [dolislagerf1@ornl.gov]
Sent: 7/14/2020 9:57:21 PM
To: Walker, Stuart [Walker.Stuart@epa.gov]; Praskins, Wayne [Praskins.Wayne@epa.gov]
CC: Manning, Karessa [manningkl@ornl.gov]
Subject: RE: Hunters Point
Attachments: Resident_rad_bprg_14JUL2020_bprg13473_Secular_Equilibrium_Center.xlsx; Resident_rad_bprg_14JUL2020_bprg577_Secular_Equilibrium_Center_Wall.xlsx; Resident_rad_bprg_14JUL2020_bprg6891_Secular_Equilibrium_Corner.xlsx; Resident_rad_bprg_14JUL2020_bprg22945_Secular_Equilibrium_Average.xlsx

Here are all four room positions for resident. I had to clean up the first file I sent you. These are all in SE. I can do indoor worker tomorrow.

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From: Walker, Stuart <Walker.Stuart@epa.gov>
Sent: Tuesday, July 14, 2020 5:16 PM
To: Dolislager, Fredrick G. <dolislagerf1@ornl.gov>; Praskins, Wayne <Praskins.Wayne@epa.gov>
Cc: Manning, Karessa <manningkl@ornl.gov>
Subject: [EXTERNAL] RE: Hunters Point

I didn't notice anything different in the attachment, it looks like just the surface factors?

Stuart Walker
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From: Dolislager, Fredrick G. <dolislagerf1@ornl.gov>
Sent: Tuesday, July 14, 2020 4:58 PM
To: Walker, Stuart <Walker.Stuart@epa.gov>; Praskins, Wayne <Praskins.Wayne@epa.gov>
Cc: Manning, Karessa <manningkl@ornl.gov>
Subject: RE: Hunters Point

Stuart,

Karessa helped me get the attached file in shape. This is a resident run in SE mode for all isotopes. It is concrete, center of room. There is a new tab that has the new surface factors. The 3-D External BPRG Individual tab has several new

columns where I post-processed the BPRG run. Column T is the default BPRG for ground plane. Column Z is where I removed the Fsurf from the BPRG. Column AA calls the new splash factors. Column AB incorporates the new splash factors (Fsurf). Column AC is just a verification of the default results.

Please review.

I will try and do the other receptor positions before I go

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From: Walker, Stuart <Walker.Stuart@epa.gov>
Sent: Tuesday, July 14, 2020 4:24 PM
To: Praskins, Wayne <Praskins.Wayne@epa.gov>
Cc: Dolislager, Fredrick G. <dolislagerf1@ornl.gov>
Subject: [EXTERNAL] FW: Hunters Point

Fyi, the surface factors. Ex. 6 Personal Privacy (PP)

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From: Dolislager, Fredrick G. <dolislagerf1@ornl.gov>
Sent: Tuesday, July 14, 2020 11:30 AM
To: Walker, Stuart <Walker.Stuart@epa.gov>; Samuels, Caleigh <samuelsce@ornl.gov>
Subject: FW: Hunters Point

Stuart,

Attached are the draft surface factors for contaminated floors and partial walls (6 ft). This is a 10x10x10 concrete room with surface contamination. In the file you will find 4 receptor positions. I included a little table comparing the current surface factors to the new ones. You'll notice a large difference in some low energy photon emitters such as Am-241. This is to be expected as the interactions for low energy photons are heavily dependent on the soil composition used for the baselines. We are pretty happy with the data trends, but consider this a preliminary release, please. If you need anything additionally, please communicate with Caleigh and copy me.

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