Message (Digitally Signed)

From: Robinson, Derek J CIV USN NAVFAC SW SAN CA (USA) [derek.j.robinson1@navy.mil]
Sent: 10/22/2019 5:13:04 PM
To: Craig Bias [cbias@remwerks.com]
CC: Praskins, Wayne [Praskins.Wayne@epa.gov]
Subject: RE: Evaluation of RGs for Buildings
Attachments: smime.p7s

Hi Craig,

Could you please send Wayne the requested files?

Thank you, Derek

From: Praskins, Wayne <Praskins.Wayne@epa.gov>
Sent: Monday, October 21, 2019 4:03 PM
To: Robinson, Derek J CIV USN NAVFAC SW SAN CA (USA) <derek.j.robinson1@navy.mil>
Subject: [Non-DoD Source] RE: Evaluation of RGs for Buildings

Derek –

With Lyndsey's departure, I am now relying more on Techlaw to review the building RG package you provided on 10/2. In the near future I would like to set up a call with you, me, our Techlaw reviewers, and whoever else you would like to join the call to give Techlaw staff the opportunity to ask questions about the Navy's evaluation. In the interim, could you provide the following to help with our review?

1.) RESRAD Build files (input files) corresponding to all output files.

2.) A copy of the two custom dose conversion factor/slope factor libraries created using the RESRAD Dose Conversion Factor (DCF) Editor, labeled 'HPNS Adult' and 'HPNS Child'.
[It is noted that the DCFs for external exposures for adults were obtained from Federal Guidance Report (FGR) No. 12 (USEPA 1993), DCFs for inhalation and ingestion exposures from International Commission on Radiological Protection Publication 72 (ICRP 1995); and risk coefficients for total cancer morbidity were obtained from the Health Effects Assessment Summary Tables (HEAST) (USEPA 2001).]

Thanks.

Wayne Praskins | Superfund Project Manager
U.S. Environmental Protection Agency Region 9
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San Francisco, CA 94105
415-972-3181

From: Robinson, Derek J CIV USN NAVFAC SW SAN CA (USA) <derek.j.robinson1@navy.mil>
Sent: Wednesday, October 2, 2019 8:30 AM
To: Praskins, Wayne <Praskins.Wayne@epa.gov>
Subject: Evaluation of RGs for Buildings

Dear Wayne,

Please see the attached evaluation of radiological remedial goals for buildings. The PRG screening values and a comparison summary table are included in the attached Excel file.

A discussion of input parameters for RESRAD is included in Sections 3.1-3.6 of the word file, along with references. The BRPG input parameters are included in the Excel file. Where applicable, the input parameters in RESRAD-BUILD have been adjusted to be consistent with the default parameters used in both the USEPA Building Dose Compliance Concentrations for Radionuclides (BDCC) and Building Preliminary Remediation Goals for Radionuclides (BPRG) online calculators.

Even though the remedial goals for buildings were memorialized in numerous Records of Decision, the most relevant administrative record is the 2006 Action Memorandum, where the remedial goals were originally developed. A link to the action memo is located below. Please let me know if other sources of information are requested.

https://www.bracpmo.navy.mil/brac_bases/california/former_shipyard_hunters_point/documents1.html

Please click on the document titled "April 2006, Final Basewide Radiological Removal Action, Action"

Because of the numerous output files for the calculation runs using RESRAD and BPRG calculators, two emails will follow. One with the RESRAD output files and one with the BPRG output files.

I believe that this information is everything you requested as part of the consultative process. Please let me know if you have any questions.

Best Regards,

Derek J. Robinson, PE
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