Commenter	Charge Question	Document Section	Details	Comment	EPA Resolution
Schneider	A.1.			The web site includes a lot of text which will be helpful to the more advanced risk assessor. It may be	On home page EPA added hyperlinks in the
				overwhelming to the more casual user or risk manager. It might be useful to have some pathway to a	first sentence to the download page and the
				more concise direction to the default tables with a disclaimer of their conservative nature.	calculator. In fourth sentence EPA added hyp
					links to the FAQ, What's New, Download and
					User's Guide.
Schneider	A.2.			I think so.	No response required.
Schneider	A.3.			There are some inconsistencies and/or improvements that could help the documentation. These are noted in the comments [in the review].	No response required.
Schneider	A.4.			See comments [in review] for usability improvement suggestions.	No response required.
Schneider	B.1.a.			Some comments [in review] for specific suggestions on clarifying assumptions.	No response required.
Schneider	B.1.b.			Yes.	No response required.
Schneider	B.1.c.			See comments [in review] for specific improvements to text.	No response required.
Schneider	B.1.d.			See comments [in review] for specific improvements to text.	No response required.
Schneider	B.2.			I'm not familiar with all the recent literature so will defer to others on this.	No response required.
Schneider	B.3.			One scenario or exposure path that comes to mind for me but doesn't appear addressed would be an	No current action. This will be considered fo
				on-site worker that conducts controlled burns for vegetation management. A number of former DOE	future update. It was discussed several years
				sites are now maintained in a natural state that either might use burning as a management technique	ago with EPA regions as possible scenario b
				or might experience burning as a natural/vandalism event. It would be helpful in addressing public and	was considered lesser priority. It could be
				worker concerns to have a scenario that provides PRGs to support this exposure pathway.	reconsidered as other priorities are complete
Schneider	B.4.			I did find some discrepancies in the descriptions of the area contamination within the user's guide. See specific comments [in review].	No response required.
Schneider	B.5.			No response.	No response required.
Schneider	B.6.			It was not clear from my review where the detectors and detector heights were discussed.	This question is not applicable to this peer
					review. It was inadvertently copied over from
					previous peer review charge.
Schneider	B.7.			They appeared to be to me.	No response required.
Schneider	B.8.			In general yes, some questions presented in the specific comments [in review].	No response required.
Schneider	B.9.			Specific recommendations for improvements to the user guide are provided [in the review].	No response required.
Schneider	C.1.			I like the PDF export feature. Provides all the information in one package. The time stamp on it will be helpful for determining differences if changes to the calculator are made.	No response required.
Schneider	C.2.			I defer to those more experienced with the algorithms and calculators than I am to provide comment on this.	No response required.
Schneider	C.3.			No response.	No response required.
Schneider	C.4.			Not that I'm aware of.	No response required.
Schneider	C.5.			The list of radionuclides seems appropriately comprehensive to me.	No response required.
Schneider	C.6.			No response.	No response required.
Schneider	D.			See specific comments [in review].	No response required.
Schneider		General		Graphic missing on the following page: http://epa-prgs.ornl.gov/radionuclides/resairimage.html	It is planned to hire a new person to develop
					these graphics such at this one.

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Schneider		General		4. Technical Support Documentation under the Preliminary Remediation Goals for Radionuclides page. Would be good if the page would allow you to go back to expanded view of this subsection when clicking the back button after viewing one of the scenarios presented.	This issue has been resolved by addressing other comment. Now that the user guide has the toggle sections, EPA has incorporated the "land use pages" into the user guide. EPA has incorprated the graphical representation links into section 4.1 to 4.25. This eliminates other comments about getting the same order for listing landuses.
Schneider		General		Graphic missing on the following page: http://epa-prgs.ornl.gov/radionuclides/res2Dsoilimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider		General		On page http://epa-prgs.ornl.gov/radionuclides/res2Dsoilimage.html, the area considered is provided as a range of 1-1,000,000 square meters. In all subsequent pages for 2Dsoil there is a list of areas evaluated presented, please explain the discrepancy.	EPA updated the other 2D site size descriptions which are referencing a now superceded analysis for Area Correction Factors. All of these sections now read as follows "This analysis is designed to look at external exposure from contamination of different area sizes. Areas considered are 1 to 1,000,000 square meters. Isotope-specific area correction factor (ACF) were developed for this analysis."
Schneider		General		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/comworkairimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider		General		On page http://epa-prgs.ornl.gov/radionuclides/comworkairimage.html it would be good to provide an outdoor example for the second scenario of ambient air. The provided example of indoor air radon is not applicable to the outdoor worker of the composite scenario.	EPA modified the text to say continued emissions from a treatment technology or a factory.
Schneider		General		Graphic missing on the following page:http://epa- prgs.ornl.gov/radionuclides/comwork2Dsoilimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider		General		On page http://epa-prgs.ornl.gov/radionuclides/comworksoilimage.html it states the composite worker only differs from the outdoor worker in that it uses the more protective 250 day per year exposure. Page http://epa-prgs.ornl.gov/radionuclides/outworksoilimage.html it states the outdoor worker is the "most highly exposed receptor in the outdoor environment". Not clear to the reviewer how the outdoor worker exposure exceeds that of the composite worker. Additional clarification of the two scenarios is needed.	EPA fixed the language. The text in section 4.6 changed to be: "The outdoor worker recieves more exposure than the indoor worker under commercial/industrial conditions."
Schneider		General		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/outworkairimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider		General		On page http://epa-prgs.ornl.gov/radionuclides/outworkairimage.html it would be good to provide an outdoor example for the second scenario of ambient air. The provided example of indoor air radon is not applicable to the outdoor worker of the scenario.	EPA modified the text to say continued emissions from a treatment technology or a factory.
Schneider		General		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/outwork2Dsoilimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider		General		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/inworkairimage.html	It is planned to hire a new person to develop these graphics such at this one.

Commenter	O	cument ection	Details	Comment	EPA Resolution
Schneider		eneral		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/inwork2Dsoilimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider	G	eneral		On page http://epa-prgs.ornl.gov/radionuclides/inwork2Dsoilimage.html gamma shielding is misspelled "gamma shilding" and account is misspelled "accound."	• .
Schneider	G	eneral		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/con1worksoilimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider	G	eneral		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/con2worksoilimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider	G	eneral		On page http://epa-prgs.ornl.gov/radionuclides/con2worksoilimage.html the page title says "Construction Worker (Other than Standard Vehicle Traffic)" while the lead to the paragraph says "Construction Worker (Standard Vehicle Traffic)". The latter needs to be corrected.	EPA fixed the language. The merging of the two sections of the user guide have resolved this comment.
Schneider	G	eneral		From the descriptions provided on pages http://epa-prgs.ornl.gov/radionuclides/con1worksoilimage.html and http://epa-prgs.ornl.gov/radionuclides/con2worksoilimage.html it is unclear what the difference in exposure is. The descriptions should at least describe the parameters that are changed between the two scenarios.	The merging of the two sections of the user guide have resolved part of this comment. In addition this sentence is added. "The only difference between this construction worker and the one described in section 4.10 is that this construction worker uses a different PEF."
Schneider	G	eneral		Graphic missing on the following page: http://epa-prgs.ornl.gov/radionuclides/conworkairimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider	G	eneral		On page http://epa-prgs.ornl.gov/radionuclides/conworkairimage.html it would be good to provide an outdoor example for the second scenario of ambient air. The provided example of indoor air radon is not applicable to the outdoor worker of the scenario.	EPA modified the text to say continued emissions from a treatment technology or a factory.
Schneider	G	eneral		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/conwork2Dsoilimage.html	•
Schneider	G	eneral		On page http://epa-prgs.ornl.gov/radionuclides/conwork2Dsoilimage.html the area considered is provided as a range of 1-1,000,000 square meters. In most prior pages for 2Dsoil there is a list of areas evaluated presented, please explain the discrepancy.	EPA fixed the language in other examples which are referencing ranges of site sizes used in a now superceded study for determing Area Correction Factors.
Schneider	G	eneral		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/recsoilimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider	G	eneral		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/recairimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider	G	eneral		On page:http://epa-prgs.ornl.gov/radionuclides/recairimage.html recreational is misspelled "reacreational"	EPA fixed spelling.
Schneider	G	eneral		On page http://epa-prgs.ornl.gov/radionuclides/recairimage.html, this scenario should include the description from the previous scenario, "This receptor spends time outside involved in recreational activities.	No, air exposure can be indoor.
Schneider	G	eneral		On page http://epa-prgs.ornl.gov/radionuclides/recairimage.html it would be good to provide an outdoor example for the second scenario of ambient air. The provided example of indoor air radon is not applicable to the assumed outdoor activity of the scenario.	EPA modified the text to say continued emissions from a treatment technology or a factory.
Schneider	G	eneral		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/recwaterimage.html	It is planned to hire a new person to develop these graphics such at this one.

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Schneider		General		On page http://epa-prgs.ornl.gov/radionuclides/recwaterimage.html the header reads "Tapwater Graphic and Supporting Text" and the paragraph lead reads "Recreator Surface Water." Recreator Surface Water is the correct text	The merging of the two sections of the user guide have resolved this comment.
Schneider		General		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/rec2Dsoilimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider		General		On page http://epa-prgs.ornl.gov/radionuclides/rec2Dsoilimage.html this scenario should include the description from the previous recreational scenario, "This receptor spends time outside involved in recreational activities." Also the area considered is provided as a range of 1-1,000,000 square meters. In most prior pages for 2Dsoil there is a list of areas evaluated presented, please explain the discrepancy.	EPA added the description. EPA also updated the other 2D site size descriptions which were referencing a now superceded analysis for Area Correction Factors.
Schneider		General		Graphic missing on the following page:http://epa-prgs.ornl.gov/radionuclides/recgameimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider		General		On page: http://epa-prgs.ornl.gov/radionuclides/restapwaterimage.html the title reads "ResidnetTapwater Graphic". It should be corrected to read "Resident"	The merging of the two sections of the user guide have resolved this comment.
Schneider		General		Graphic missing on the following page: http://epa-prgs.ornl.gov/radionuclides/agtapwaterimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider		General		Graphic missing on the following page: http://epa-prgs.ornl.gov/radionuclides/fishimage.html	It is planned to hire a new person to develop these graphics such at this one.
Schneider		General		On page: http://epa-prgs.ornl.gov/radionuclides/download/summary_rprg_table_run_pCi_25NOV14.pdf the Actinium (89) Ac-223 row is frozen with the header row. Ac-223 row should be released to prevent confusion.	EPA will fix when all comments are investigated.
Schneider		General		On page: http://epa-prgs.ornl.gov/radionuclides/download/summary_rprg_table_run_Bq_25NOV14.pdf the Actinium (89) Ac-223 row is frozen with the header row. Ac-223 row should be released to prevent confusion.	EPA will fix when all comments are investigated.
Schneider		General		On page: http://epa-prgs.ornl.gov/radionuclides/download/ressoil_rprg_table_run_pCi_25NOV14.pdf the Actinium (89) Ac-223 row is frozen with the header row. Ac-223 row should be released to prevent confusion.	EPA will fix when all comments are investigated.
Schneider		General		On page: http://epa-prgs.ornl.gov/radionuclides/download/ressoil_rprg_table_run_Bq_25NOV14.pdf the Actinium (89) Ac-223 row is frozen with the header row. Ac-223 row should be released to prevent confusion.	EPA will fix when all comments are investigated.
Schneider		General		On page: http://epa-prgs.ornl.gov/radionuclides/download/resair_rprg_table_run_pCi_25NOV14.pdf it would be better if this PDF was set up like the soil table with the header frozen and the ability to scroll the table.	
Schneider		General		On page: http://epa-prgs.ornl.gov/radionuclides/download/resair_rprg_table_run_Bq_25NOV14.pdf it would be better if this PDF was set up like the soil table with the header frozen and the ability to scroll the table.	EPA will fix when all comments are investigated.
Schneider		General		On page: http://epa-prgs.ornl.gov/radionuclides/download/restap_rprg_table_run_pCi_25NOV14.pdf it	EPA will fix when all comments are investigated.

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Schneider		General		On page:http://epa-prgs.ornl.gov/radionuclides/download/restap_rprg_table_run_Bq_25NOV14.pdfit would be better if this PDF was set up like the soil table with the header frozen and the ability to scroll the table.	EPA will fix when all comments are investigated.
Schneider		General		On page: http://epa-prgs.ornl.gov/radionuclides/download/res2D_rprg_table_run_pCi_25NOV14.pdf the Actinium (89) Ac-223 row is frozen with the header row. Ac-223 row should be released to prevent confusion.	EPA will fix when all comments are investigated.
Schneider		General		On page: http://epa-prgs.ornl.gov/radionuclides/download/res2D_rprg_table_run_Bq_25NOV14.pdfthe Actinium (89) Ac-223 row is frozen with the header row. Ac-223 row should be released to prevent confusion.	EPA will fix when all comments are investigated.
Schneider		General		On page:http://epa-prgs.ornl.gov/radionuclides/download/resfish_rprg_table_run_pCi_25NOV14.pdf it would be better if this PDF was set up like the soil table with the header frozen and the ability to scroll the table.	EPA will fix when all comments are investigated.
Schneider		General		On page:http://epa-prgs.ornl.gov/radionuclides/download/resfish_rprg_table_run_Bq_25NOV14.pdfit would be better if this PDF was set up like the soil table with the header frozen and the ability to scroll the table.	EPA will fix when all comments are investigated.
Schneider		General		On page: http://epa-prgs.ornl.gov/radionuclides/download/ressoil2gw_rprg_table_run_pCi_25NOV14.pdfthe Actinium (89) Ac-223 row is frozen with the header row. Ac-223 row should be released to prevent confusion.	EPA will fix when all comments are investigated.
Schneider		General		On page: http://epa-prgs.ornl.gov/radionuclides/download/ressoil2gw_rprg_table_run_Bq_25NOV14.pdfthe Actinium (89) Ac-223 row is frozen with the header row. Ac-223 row should be released to prevent confusion.	EPA will fix when all comments are investigated.
Schneider		General		On page:http://epa-prgs.ornl.gov/radionuclides/download.htmlall remaining PDF tables with frozen header the Actinium (89) Ac-223 row is frozen with the header row. Ac-223 row should be released to prevent confusion.	EPA will fix when all comments are investigated.
Schneider		General		On page:http://epa-prgs.ornl.gov/radionuclides/download.html for all PDFs where the header is not frozen it would be better if this PDF was set up like the soil table with the header frozen and the ability to scroll the table.	EPA will fix when all comments are investigated.