

Dr. Bernd Kahn Corrected July 17, 2009 Edits (Received July 20, 2009) to July 15, 2009
Public Draft Report on Radiogenic Cancer Risk Assessment

Dear Jack:

I have now been able to read the draft report carefully and have the following changes, which I will make after our July 22 teleconference to include all other suggested corrections.

p.1, l. 28, letter: Change heading to match Executive summary; also p.2, l.15 and p.2, l.35.

p.1, l.39, letter: Change to match executive summary; also p.2, l.24.

p.2, l.42-43, letter: Delete 'and' on l.42 and, on l. 43, add ', and brain cancer studies'.

p.3, l.3: Add 'when used for Federal radiation protection programs'.

p.3, l.20: Change to 'Swackhamer' (sp.), also on p. ix, l.5.

p.ii, l.9: Insert 'GTRI,' after 'Center'.

p.1, l.20: Change to match Letter; also p.3, l.5.

p.2, l.28: Replace last sentence with 'EPA should justify use of two separate approaches to obtain, respectively, the confidence interval and the estimated value.'

p.3, l.15: Move point 4 to Section 3b.

p.4, l.6: Insert '(EPA 1994)' after '*Risks*'.

p.4, l.10: Delete comma after 'NAS/NRC'.

p.4, l.16: Insert '(EPA/ORIA 1999)' after '1994'.

p.4, l.23: Insert '(EPA1999)' after '*Radionuclides*'.

p.4, l.32L Replace 'BEIR' with 'U.S.NAS/NRC'.

P.5, l.2: Replace '2006' with '2008'.

p.5, l.9: Delete 'December'.

p.5, l.26: Delete 'teleconference'.

p.8, 1.13: Replace 'Life-span study (LLS)' with 'LSS'.

p.8, 1.26: Replace 'preferred Excess Relative Risk (ERR) and Excess Absolute Risk (EAR)' with 'ERR and ERR'.

p.8, 1.28: Delete 'absolute'.

p.8, 1.34: insert 'Bayesian' after 'independent'.

P.9, 1.5: Delete 'Webb'.

p.9, 1.12: Delete 'Cullings'.

p.9, 1.18: Move '(' from before 'Doll' to after 'Wakeford'.

p.11, 1.1: Insert '(U.S.NAS/NRC 1994)'. This citation has to be added to the References.

p.11, 1.3-4: Replace 'exposed to' with 'injected with' and delete 'by injection'. Delete 2nd period at end of paragraph.

p.11, 1.6: Delete 'general'.

p.11, 1.19: Is there a reference to the 'Health Protection Agency Report'?

p.11, 1.28: Insert 'EPA/SAB' before '2006'.

p.11, 1.33: Replace 'consideration of' with 'consider'.

p.12, 1.4: Replace 'average excess risk function as' with 'LAR based on'. On 1.6, delete 'to compute the LAR'.

p.12, 1.32: Replace 'The 2000 and 2008' with 'Recent'

p.13, 1. 11-13: Move sentence to p.12, 1.42 at end of this paragraph.

p.13, 1.18: Delete '(' after 'pyramids'.

p.13, 1.25: Insert 'radiation' after 'LET'.

p.13, 1.34: Insert 'EPA/SAB' before '2008'.

p.13, 1.39: Replace 'proposed' with 'considered'.

p.14, 1.12: Insert period after 'al'; insert ')' after '2006'; replace dash with comma; insert 'stated' after 'as'.

p.14, l.19: Delete comma after 'Weinstock'.

p.14, l.22: Replace '(BEIR VII)' with 'from BEIR VII'.

p.15, l.18: Should '1997' be '1998'?

p.15, l.19: Should '2008' be some other date (check Muggenburg references on p. 30, lines 28-35; which is it?)

p.15, l.33: Need reference for opinion on leukemia studies.

p.16, l.27: Need to add the 'Wakeford 1997' citation to References.

p.19, l.23: Delete parentheses.

p.19, l.38: Insert 'analysis' after 'uncertainty'.

p.20, l.11: Replace '4.1' with '4-1'.

p.20, l.15: Insert 'in Table 4-2' after 'case'.

Continuation from July 17 email:

p.22, l.35: Is the 'McGeoghegan' citation the 'Geoghegan' in References on p.27, l. 28?

p.23, l.16: Replace 'REF' with 'EPA/ORIA'.

p.24, l.21: Delete comma after 'Section 5'.

p.24, l.22-23: Replace 'to clarify' with 'clarified'; delete 'greatly'.

p.24, l.35: Close up.

p.28, l.1, 7, and 36: Where are these references in the text?

p.28, l.13: Delete?

p.29, l.31: where is this reference in the text?

p.30, l.28: Is this the '2008' citation in the text?

p.30, l.32: Delete?

p.32, l.5: Delete.

p.33, l.32: Delete.

p.32, 1.37 and 42: Cite these two references on pp. 4-5.

p.34, 1.5: Insert 'U. S. NAS/NRC 1994' for BEIR VI citation on p.11, 1.1.

p.34, 1.15: Where is this reference in the text?

p.34, 1.19: Insert 'Wakeford 1993' cited in text on p. 16, 1.27.

p. 32-33, general: All EPA reports are listed as 'U.S. EPA, U.S. EPA/ORIA, or U.S.EPA/SAB' in References, but 'U.S.' is missing in the text citations.

p.40, 1.20: Insert 'Computed tomography scan'.

p.40, 1.45: Where is 'Me' in text?

p.41, 1.20: Where does 'V' appear in text?

Regards,

Bernd