

Corrections to Report on MARSAME based on SAB Quality Review

p.1, 1.11, letter: Delete 'Re'.

p.1, 1.19, letter: Insert 'MARSAME. The' after 'review of'.

p.1, 1.21, letter: Delete '. The Draft Manual' after 'December 2006'; the two changes in lines 19 and 21 are intended for easier reading.

p.2, 1. 9, letter: Insert: 'to support use of the Manual.' after 'Provide training'; delete 'and' and capitalize 'Add'; delete 'important'.

p.2, 1.17, letter: Replace 'studies' with 'examples'.

p.2, 1.18, letter: Replace 'case studies' with 'real situations'.

p.2, 1.20, letter: Replace 'them' with 'the references'.

p.2, 1.22, letter: Replace 'volumetric' with 'dispersed throughout the material'; delete 'undifferentiated'.

p.2, 1.23, letter: Insert 'that may be either fixed or removable' after 'contamination'.

p.2, 1.26-27, letter: Delete 'non-linear processes such as'; replace 'embodied in' with 'such as'.

p.2, 1.29, letter: Insert 'additional' after 'concern'.

p.2, 1.30, letter: Insert ', including the concept that MARSAME be updated periodically'.

p.2, 1.32, letter: Replace 'to be a potentially' with 'will be a'.

p.2, 1.43, letter: Delete 'Chair' after 'Morgan' and after 'Kahn'; repeated on next line.

p.iii, 1.8: Delete Zip code after Dr. Janet A. Johnson.

p.1, 1.17-18: Replace 'competent radiation protection professionals and managers' with 'technical audiences having knowledge of health physics and statistics' ; note that the phrase is within quotation marks.

p.1, 1.37: Replace '2007' with '2008' after 'March 10,'.

p.1, 1.38-39: Fill blanks and remove note.

p.2, 1.2: Insert: 'and professionals with only limited knowledge of health physics or statistics' after 'managers'.

p.2, 1.16: Replace 'them' with 'the references'.

p.2, 1.19-20: Replace 'volumetric' with 'dispersed throughout the material volume'; delete 'undifferentiated' and after 'surface contamination' insert '(fixed plus removable)'.

p.2, 1.23: Delete 'in sufficient detail', which is repeated.

p.2, 1.26-27: Delete 'non-linear processes such as'; replace 'embodied in' with 'such as'.

p.2, 1.31: Insert ', including updating it periodically' after 'manual' and insert ',3-3' after C-2'.

p.4, 1.8-9: Delete 'The presented alternate outcomes are', capitalize 'Release', and add at end of sentence 'are the alternate outcomes of the survey.'

p.5, 1.37: Insert comma after 'report'.

p.5, 1.40-41: Fill blanks and remove note.

p.8, 1.34: Insert 'survey types' after 'MARSSIM'.

p.9, 1.21: Insert 'also' after 'capabilities'.

p.11, 1.17: Insert '(distributed throughout the material)' after 'volumetric'.

p.12, 1.13: Replace first sentence with 'In the organization of MARSAME, instead of the current mixture of general guidance about surveillance with detailed presentations of statistical matters, retain in each chapter only a brief and less detailed discussion of statistics.'

p.12, 1.26: Insert 'manual' after 'MARSAME'.

p.13, 1.2-3: Insert 'a' before 'U.S. Nuclear Regulatory Commission' and 'document' after it.

p.13, 1.9: Replace 'The introduction' with 'This statement'.

p.14, 1.15: Insert new paragraph, 'The statistical methodology applied in MARSAME is acceptable and not confusing when all three documents are read. Application of comments in Appendix A to this report and consolidation of the mathematical aspects of MARSAME in a single chapter as recommended below should enhance use of MARSAME.'

p.14, 1.30: Insert 'the outlined procedures are adequate, but that' after 'believes that'.

p.15, 1.1-7: Move the last sentence to the front of the paragraph.

p.15, 1.13: Insert 'appropriate,' after "process is'.

p.15, 1.20-21: Move 'in all MARSAME chapters' to follow 'distinguishing' on previous line.

p.15, 1.31: Replace 'cm cubed' with 'cm squared', i.e., replace the 3 with a 2 in the exponent.

p.18, 1.6-7: Replace comma with ‘and’ after ‘Nevada (2001)’; delete comma after ‘(2007)’.

p.18, 1.8: Insert ‘to’ before ‘U.S. EPA’.

p.19, 1.29: Replace ‘illustrates this suggestion’ with ‘could be used in the MARSAME Roadmap to illustrate application of the DQO process in the MARSAME Manual.’; also add the following sentence, ‘Realize also that the DQO process is iterative, so that, as in the case of MARSSIM, the MARSAME program should have the potential to improve and update the manual.’.

p.20, Figure 3: Replace each of the 3 black horizontal lines that has paddles to the right with a plain horizontal line that crosses the vertical arrows.

p.21, 1. 8: Replace ‘AL’ with ‘action level’

p.22, 1.4: Insert ‘in the recommended separate chapter on statistics any’ after ‘discuss’.

p.26, 1.19: Replace ‘distribution’ with ‘deviation’.

p.26, 1.30: Replace ‘or’ with ‘of’.

p.26, 1.44: Insert ‘(These scenarios are further discussed below)’ after ‘is over the AL.’.

p.27, 1.2: Insert ‘(Note that terminology used here follows the MARSAME Glossary and list of Symbols, Nomenclature, and Notations.)’ after ‘given α .’.

p.29, 1.32: Replace ‘Section’ with ‘Chapter’.

p.30, 1.16: Replace ‘insures’ with ‘ensures’.

p.33, 1.41: Delete period after ‘Table 5.1’

p.37, 1.18-19: Replace the two sentences ‘Was this ... lines 289-293?’ with ‘If this was the intention, clarify the confusing discussion in Section 5.5.1, lines 289-293.’

BK May 22, 2008

Corrections Addendum to Report on MARSAME based on SAB Quality Review

p.2, 1.2, letter: Replace ‘to provide;’ with ‘that provides’.

p.2, 1.4, letter: Delete comma after ‘manuals’.

p.35, 1.14: Delete ‘blue curve (the’ and delete closing parenthesis on line 15 after ‘0.05’.

p.35, 1.15-16: Delete ‘red curve (the’ and delete closing parenthesis after ‘origin’; both deletions are needed when report is in black and white.

BK May 23, 2008

Corrections Addendum 2 to Report on MARSAME based on SAB Quality Review

p.2, 1.9, letter: Insert ‘courses’ after ‘training’.

p.2, 1.13, letter: Replace ‘Collect’ with ‘Combine’.

p.2, 1.15: Replace ‘must’ with ‘should’.

p.8, 1.22: Replace ‘documented’ with ‘identified and explained’.

p.11, 1.6: Delete ‘admirably’.

p.13, 1.7: Delete ‘sheer’.

p.14, 1.14: Delete “to the extent observable over the wide range of applications’.

p.14, 1.18: Replace ‘comprehensible’ with ‘understandable’.

p.18, 1.28: Replace short dash with long dash between ‘1133’ and ‘1150’.

BK June 2, 2008