

## **WM2 – Overview of Changes**

This document records changes made to Technical Guidance WM2 subsequent to the publication of the 1<sup>st</sup> Edition on 2003. Three revisions have occurred;

- 2<sup>nd</sup> Edition (November 2005) : The implementation of the Hazardous Waste Regulations in England and Wales, and amendments to the Special Waste Regulations in Scotland, required an update to WM2.
- Version 2.1 (August 2006) :The release of the 8<sup>th</sup> Edition of the Approved Supply list required a correction to some chemical references and examples in WM2. Other minor errors identified since November 2005 were also corrected.
- Version 2.2 (May 2008) : This document was produced following a consultation on proposals to align the assessment of H14 Ecotoxic more closely with CHIP. The major change was a replacement of chapter C14.

### **Summary of Changes to Parts 1-3 (Introduction)**

<b>Page</b>	<b>Change (2<sup>nd</sup> Edition : Nov 2005)</b>
Page 2	<ul style="list-style-type: none"><li>• Reference to ACDP removed</li></ul>
Page 6	<ul style="list-style-type: none"><li>• Short paragraph on domestic legislation added</li></ul>
Page 9	<ul style="list-style-type: none"><li>• Assessment Framework updated</li></ul>
Page 10-11	<ul style="list-style-type: none"><li>• Additional information on domestic legislation added</li><li>• EWC information reduced, referred to Appendix A</li></ul>
Page 12	<ul style="list-style-type: none"><li>• ASL information updated- R50-53 and ASL footnotes</li></ul>
Page 16	<ul style="list-style-type: none"><li>• Update to reflect amended framework (see page 9)</li></ul>
Page 18	<ul style="list-style-type: none"><li>• R20 &amp; 22 order changed.</li></ul>
Page 26	<ul style="list-style-type: none"><li>• Table alignment corrected.</li></ul>
All	<ul style="list-style-type: none"><li>• Title Page, Footnotes amended to include '2nd edition'</li></ul>

<b>Page</b>	<b>Change (version 2.1 : August 2006)</b>
Page 2	<ul style="list-style-type: none"><li>• ASL reference changes to current edition, not 7<sup>th</sup>.</li></ul>
Page 11	<ul style="list-style-type: none"><li>• Text and Footnote reference to ASL 7<sup>th</sup> edition, changed to most recent edition.</li></ul>
Page 12	<ul style="list-style-type: none"><li>• Note on ASL version added</li><li>• Cadmium sulphide risk phrases updated</li></ul>
Page 25	<ul style="list-style-type: none"><li>• Text on electronic goods aligned with existing Appendix</li></ul>

	B examples.
all	<ul style="list-style-type: none"> <li>• Footnote amended to v2.1.</li> </ul>
various	<ul style="list-style-type: none"> <li>• Spelling, alignment and other typographical corrections</li> </ul>

<b>Page</b>	<b>Change (version 2.2 : February 2008)</b>
Front Pages	<ul style="list-style-type: none"> <li>• Updated to version 2.2</li> </ul>
Page 12	<ul style="list-style-type: none"> <li>• Bullet on ASL numeric notes updated for revised H14.</li> </ul>
Page 13,14	<ul style="list-style-type: none"> <li>• Text on testing updated for revised H14</li> </ul>
Page 16	<ul style="list-style-type: none"> <li>• Example, step 6, updated for revised H14</li> </ul>
Page 21	<ul style="list-style-type: none"> <li>• Table 3.1 updated for revised H14</li> </ul>
all	<ul style="list-style-type: none"> <li>• Footnote amended to v2.2.</li> </ul>
various	<ul style="list-style-type: none"> <li>• Spelling, alignment and other typographical corrections</li> <li>• Minor changes to ensure consistency with H14</li> </ul>

## Summary of Changes to Appendix A

<b>Page</b>	<b>Change (2<sup>nd</sup> Edition : Nov 2005)</b>
All	<ul style="list-style-type: none"><li>• Footnotes amended to include '2nd edition'</li></ul>
A1-2	<ul style="list-style-type: none"><li>• Pages A1 and A2 replaced by updated pages A1-4.</li><li>• Includes brief notes on the structure of the list</li><li>• Minor amendments to instructions for use</li><li>• Table of chapter headings inserted.</li></ul>
A6 (now A8)	<ul style="list-style-type: none"><li>• 05 01 12* changed to an absolute entry for oils</li><li>• Example text altered to reflect absolute status</li></ul>
A2-A26	<ul style="list-style-type: none"><li>• Page numbers increased by 2.</li></ul>

<b>Page</b>	<b>Change (version 2.1 : August 2006)</b>
all	<ul style="list-style-type: none"><li>• Footnotes amended to v2.1.</li></ul>

<b>Page</b>	<b>Change (version 2.2 : Febuary 2008)</b>
all	<ul style="list-style-type: none"><li>• Footnotes amended to v2.2.</li></ul>

## Summary of Changes to Appendix B

Page	Change (2 <sup>nd</sup> Edition : Nov 2005)
All	<ul style="list-style-type: none"> <li>Footnotes amended to include '2nd edition'</li> </ul>
B3	<ul style="list-style-type: none"> <li>01 05 05* changed from an absolute to a mirror entry ( as in Appendix A currently)</li> <li>Example text altered to reflect mirror status</li> </ul>
B9	<ul style="list-style-type: none"> <li>05 01 12* changed to an absolute entry for oils</li> <li>Example text altered to reflect absolute status</li> </ul>
B20	<ul style="list-style-type: none"> <li>Missing word 'substances' inserted for 08 03 17*</li> <li>Ecotoxic(H8) changed to Ecotoxic(H14)</li> </ul>
B37	<ul style="list-style-type: none"> <li>Restructured to remove confusion as page header refers to chapter 13, and examples are chapter 17 and 10.</li> </ul>
B41	<ul style="list-style-type: none"> <li>Minor comment on source of information added.</li> </ul>
B43	<ul style="list-style-type: none"> <li>Text inserted to clarify assessment for mirror entries for electrical goods and hazardous components</li> <li>Subtext entry '16 02 15' corrected to '16 02 16'</li> </ul>
B47	<ul style="list-style-type: none"> <li>Threshold at end of Example B16.3 corrected from 10% to 20%</li> </ul>
B51	<ul style="list-style-type: none"> <li>Contaminated land example replaced by the example from the framework for soils.</li> </ul>
B52	<ul style="list-style-type: none"> <li>Asbestos example amended to remove reference to consignment</li> </ul>
B53	<ul style="list-style-type: none"> <li>'Cytotoxic and Cytostatic' defined.</li> </ul>
B58	<ul style="list-style-type: none"> <li>Risk phrases for nickel corrected, copper removed. Text restructured to reflect changes.</li> </ul>
B59	<ul style="list-style-type: none"> <li>'Cytotoxic and Cytostatic' defined.</li> <li>20 01 35* corrected to remove (6), note on components and assessment added.</li> </ul>

Page	Change (version 2.1 : August 2006)
Page B6	<ul style="list-style-type: none"> <li>• Example B2.3, Fenoxycarb risk phrases and threshold concentration amended.</li> </ul>
Page B5	<ul style="list-style-type: none"> <li>• Example B5.1, Phenol risk phrases and threshold concentrations amended, text also amended.</li> </ul>
Page B14	<ul style="list-style-type: none"> <li>• Example B6.2, Arsenic risk phrases and threshold concentrations amended, text also amended.</li> </ul>
Page B15	<ul style="list-style-type: none"> <li>• Example B6.3, Mercury Sulphate risk phrase corrected.</li> </ul>
Page B19	<ul style="list-style-type: none"> <li>• Example B7.1, Zinc risk phrase corrected.</li> </ul>
Page B22	<ul style="list-style-type: none"> <li>• Example B8.3, Hexane risk phrases corrected</li> <li>• Example B8.3, Toluene risk phrases corrected</li> <li>• Example B8.3, Lead Chromate risk phrases corrected</li> <li>• Example B8.3, Strontium Chromate category of danger corrected.</li> </ul>
Page B38	<ul style="list-style-type: none"> <li>• Example B14.1, 1,1,2 trichloroethane risk phrases corrected.</li> <li>• Example B14.1, 2-nitrotoluene changed to 4-nitrotoluene to match risk phrases.</li> </ul>
Page B46	<ul style="list-style-type: none"> <li>• Example B16.2, Benzene risk phrases corrected.</li> </ul>
Page B47	<ul style="list-style-type: none"> <li>• Example B16.3, Nickel oxide risk phrases corrected.</li> </ul>
Page B51	<ul style="list-style-type: none"> <li>• Example B17.1, Copper (I) Oxide risk phrases corrected</li> <li>• Example B17.1, Zinc Oxide risk phrases added</li> <li>• Example B17.1, recalculated.</li> </ul>
Page B58	<ul style="list-style-type: none"> <li>• Example B19.2, Lead Hydroxide , R33 added</li> </ul>
all	<ul style="list-style-type: none"> <li>• Footnotes amended to v2.1.</li> </ul>
various	<ul style="list-style-type: none"> <li>• Spelling, alignment and other typographical corrections</li> </ul>

Page	Change (version 2.2 : February 2008)
Page B1	<ul style="list-style-type: none"> <li>• Note on using the current edition of the ASL added</li> </ul>
Page B5	<ul style="list-style-type: none"> <li>• Example B2.1 updated for H14 (no substantive change)</li> <li>• Example B2.2 updated for H14 (no substantive change)</li> </ul>
Page B6	<ul style="list-style-type: none"> <li>• Example B2.3 updated for H14 (no substantive change)</li> </ul>
Page B8	<ul style="list-style-type: none"> <li>• Example B4.1 updated for H14 (no substantive change)</li> </ul>
Page B10	<ul style="list-style-type: none"> <li>• Example B5.1 updated for H14 (no substantive change)</li> </ul>
Page B14	<ul style="list-style-type: none"> <li>• Example B6.2 updated for H14 (no substantive change)</li> </ul>
Page B15	<ul style="list-style-type: none"> <li>• Example B6.3 updated for H14 (no substantive change)</li> </ul>
Page B19	<ul style="list-style-type: none"> <li>• Example B7.1 updated for H14 (no substantive change)</li> </ul>
Page B21	<ul style="list-style-type: none"> <li>• Example B8.1 updated for H14 (no substantive change)</li> </ul>
Page B22	<ul style="list-style-type: none"> <li>• <b>Example B8.3 revised to align with new chapter C14.</b></li> </ul>
Page B32	<ul style="list-style-type: none"> <li>• Example B11.1 updated for H14 (no substantive change)</li> </ul>
Page B35	<ul style="list-style-type: none"> <li>• <b>Text on PCB's updated</b></li> </ul>
Page B36	<ul style="list-style-type: none"> <li>• Example B13.1 updated for H14 (no substantive change)</li> </ul>
Page B41	<ul style="list-style-type: none"> <li>• <b>Example B15.1 revised to align with the new chapter C14</b></li> </ul>
Page B42	<ul style="list-style-type: none"> <li>• <b>Example B15.1 revised to align with the new chapter C14</b></li> </ul>
Page B43	<ul style="list-style-type: none"> <li>• <b>Two sections of text on PCB's updated</b></li> </ul>
Page B47	<ul style="list-style-type: none"> <li>• Example B16.3 updated for H14 (no substantive change)</li> <li>• <b>Example B16.4 revised to align with the new chapter C14</b></li> </ul>
Page B51	<ul style="list-style-type: none"> <li>• <b>Example B17.1 replaced with revised pages B51-B53</b></li> </ul>
Pages B52 to B60	<ul style="list-style-type: none"> <li>• Renumbered B54-62</li> </ul>
Page B52	<ul style="list-style-type: none"> <li>• (Renumbered B54)</li> <li>• <b>Example B17.3 text on PCB's updated</b></li> </ul>
Page B58	<ul style="list-style-type: none"> <li>• (Renumbered B60)</li> <li>• Example revised to align with new chapter C14</li> </ul>
all	<ul style="list-style-type: none"> <li>• Footnotes amended to v2.1.</li> </ul>
various	<ul style="list-style-type: none"> <li>• Spelling, alignment and other typographical corrections</li> <li>• Minor changes to ensure consistency with H14</li> </ul>

## Summary of Changes to Appendix C

Page	Change (2 <sup>nd</sup> Edition : Nov 2005)
All	<ul style="list-style-type: none"> <li>• Footnotes amended to include '2nd edition'</li> </ul>
C4	<p><b>H1 : Explosive</b></p> <ul style="list-style-type: none"> <li>• C1.5- 'controlled waste' replaced by 'directive waste'</li> </ul>
C9	<p><b>H2: Oxidising</b></p> <ul style="list-style-type: none"> <li>• Figure C2.1, '&gt;5% available oxygen' replaced by '0.5% available oxygen to match text</li> </ul>
C22	<p><b>H4/H8 : Irritant and Corrosive</b></p> <ul style="list-style-type: none"> <li>• C4.1. sentence on mechanical irritants inserted.</li> </ul>
C32 C34	<p><b>H5/H6 : Harmful and Toxic</b></p> <ul style="list-style-type: none"> <li>• C5.5. 'R65' added to list of risk phrases</li> <li>• Figure C5.1, 'R38' changed to 'R48'</li> </ul>
C40 C41-44	<p><b>H7 : Carcinogenic</b></p> <ul style="list-style-type: none"> <li>• Figure C7.1 R40 threshold changed to 1%</li> <li>• New pages added to incorporate oil thresholds guidance, and amended to clarify mirror entry aspects.</li> <li>• Subsequent page numbering increased by 4</li> </ul>
C43-C50	<p><b>H9 : Infectious</b></p> <ul style="list-style-type: none"> <li>• Renumbered C47-C54</li> <li>• Text and Flow Charts updated</li> </ul>
C65	<p><b>H12 : Produces Toxic Gases in Contact with Water, Air or Acid</b></p> <ul style="list-style-type: none"> <li>• Renumbered C69</li> <li>• Table text realigned</li> <li>• Reference to SWEN 068 removed</li> <li>• Text from SWEN 068 inserted</li> </ul>

	<b>H14 : Ecotoxic</b>
C69	<ul style="list-style-type: none"> <li>Note on meaning of 'hyphen' in R50-53 inserted</li> </ul>
C70	<ul style="list-style-type: none"> <li>Renumbered C74</li> <li>Reference to C14.4.2 inserted after non-aquatic environment</li> </ul>
C75	<ul style="list-style-type: none"> <li>Reference to C14.1 and C14.2 amended (see below)</li> </ul>
C76	<ul style="list-style-type: none"> <li>Table C14.1 deleted due to clarify assessment</li> <li>Further explanatory text for C14.2 inserted</li> </ul>
C77	<ul style="list-style-type: none"> <li>Table C14.2 renumbered C14.1 (see above)</li> </ul>

<b>Page</b>	<b>Change (version 2.1 : August 2006)</b>
various	<ul style="list-style-type: none"> <li>Directive Test Method references corrected to 92/69/EC</li> </ul>
C14	<ul style="list-style-type: none"> <li>H3 Flow chart corrected</li> </ul>
C17	<ul style="list-style-type: none"> <li>Table 3.1, Zinc powder/zinc dust deleted</li> </ul>
C25	<ul style="list-style-type: none"> <li>H4 and H8 flow chart corrected</li> </ul>
	<b>H7 : Carcinogenic</b>
C41-43	<ul style="list-style-type: none"> <li>Oil related assessment text deleted. Separate guidance on waste oils and oily wastes is under preparation.</li> </ul>
all	<ul style="list-style-type: none"> <li>Footnotes amended to v2.1.</li> </ul>
various	<ul style="list-style-type: none"> <li>Spelling, alignment and other typographical corrections</li> </ul>

<b>Page</b>	<b>Change (version 2.2 : February 2008)</b>
C14	<ul style="list-style-type: none"> <li><b>Chapter replaced</b></li> </ul>
all	<ul style="list-style-type: none"> <li>Footnotes amended to v2.2.</li> </ul>
various	<ul style="list-style-type: none"> <li>Spelling, alignment and other typographical corrections</li> </ul>

## Summary of Changes to Appendix D

<b>Page</b>	<b>Change (2<sup>nd</sup> Edition : Nov 2005)</b>
All	<ul style="list-style-type: none"><li>• Footnotes amended to include '2nd edition'</li></ul>

<b>Page</b>	<b>Change (version 2.1 : August 2006)</b>
all	<ul style="list-style-type: none"><li>• Footnote amended to v2.1.</li></ul>

<b>Page</b>	<b>Change (version 2.2 : February 2008)</b>
all	<ul style="list-style-type: none"><li>• Footnote amended to v2.2.</li></ul>

## Summary of Changes to Glossary and Index

<b>Page</b>	<b>Change (2<sup>nd</sup> Edition : Nov 2005)</b>
All	<ul style="list-style-type: none"><li>• Changes above reflected.</li></ul>
	<ul style="list-style-type: none"><li>• Footnotes amended to include '2<sup>nd</sup> edition'</li></ul>

<b>Page</b>	<b>Change (version 2.1 : August 2006)</b>
all	<ul style="list-style-type: none"><li>• Changes to Chapter C page numbers made</li></ul>
all	<ul style="list-style-type: none"><li>• Footnote amended to v2.1.</li></ul>

<b>Page</b>	<b>Change (version 2.2 : February 2008)</b>
all	<ul style="list-style-type: none"><li>• Changes to Chapter B page numbers made</li></ul>
all	<ul style="list-style-type: none"><li>• Footnote amended to v2.2.</li></ul>