

BSC

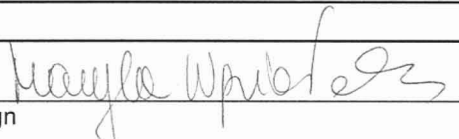

Scientific Analysis Administrative Change Notice

QA: QA

Page 1 of 1

Complete only applicable items.

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|---------------------------|---|--------------|---|---------|---|
| 1. Document Number: | ANL-MGR-MD-000001 | 2. Revision: | 4 | 3. ACN: | 1 |
| 4. Title: | <i>Inhalation Exposure Input Parameters for the Biosphere Model</i> | | | | |
| 5. No. of Pages Attached: | 1 | | | | |

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|----------------------|--|---|
| 6. Approvals: | | |
| Preparer: | <u>Maryla Wasiolek</u> Print Name and Sign |  <u>8/3/2006</u> Date |
| Checker: | <u>Kurt Rautenstrauch</u> Print name and sign |  <u>8/3/2006</u> Date |
| QER: | <u>Kenneth Gilkerson</u> Print name and sign |  <u>8/3 2006</u> Date |
| Responsible Manager: | <u>Ming Zhu</u> Print name and sign |  <u>8/3/06</u> Date |

| 7. Affected Pages | 8. Description of Change: |
|-------------------|---|
| iii | <p>To address CR 8549, the following changes have been made:</p> <p>Change the text in Block 9 from:</p> <p>Kurt Rautenstrauch authored previous revisions of the <i>Inhalation Exposure Input Parameters for the Biosphere Model</i>. The scope of Revision 4 was to enhance justification for some biosphere model parameters. This additional work authored by Maryla Wasiolek did not affect the technical content of the previous revision or alter any of the previously developed parameter values. Kurt Rautenstrauch performed the technical checking for Revision 4 and was independent of revising the document to address scope and work package changes.</p> <p>To:</p> <p>Kurt Rautenstrauch authored previous revisions of the <i>Inhalation Exposure Input Parameters for the Biosphere Model</i>. The scope of Revision 4 was to enhance justification for some biosphere model parameters and to evaluate atmospheric mass loading data collected in Amargosa Valley. This additional work, performed and authored by Maryla Wasiolek, did not affect the technical content of the previous revision, except for the adjustment of mass loading distributions for the outdoor active environment that resulted from inclusion of Amargosa Valley mass loading data as a direct input. Kurt Rautenstrauch performed the technical checking for Revision 4 and was independent of revising the document to address scope and work package changes.</p> <p>This document includes an electronic media attachment (CD-ROM in Attachment C).</p> |

Complete only applicable items.

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| 2. Scientific Analysis Title <i>Inhalation Exposure Input Parameters for the Biosphere Model</i> | | | |
| 3. DI (including Rev. No.) ANL-MGR-MD-000001, Rev 04 | | | |
| | Printed Name | Signature | Date |
| 4. Originator | Maryla Wasiolek | | |
| 5. Checker | Kurt Rautenstrauch | | |
| 6. QER | Kenneth Gilkerson | | |
| 7. Responsible Manager/ Lead | Roger Henning | | |
| 8. Responsible Manager | Ming Zhu | | |
| 9. Remarks Kurt Rautenstrauch authored previous revisions of the <i>Inhalation Exposure Input Parameters for the Biosphere Model</i> . The scope of Revision 4 was to enhance justification for some biosphere model parameters and to evaluate atmospheric mass loading data collected in Amargosa Valley. This additional work, performed and authored by Maryla Wasiolek, did not affect the technical content of the previous revision, except for the adjustment of mass loading distributions for the outdoor active environment that resulted from inclusion of Amargosa Valley mass loading data as a direct input. Kurt Rautenstrauch performed the technical checking for Revision 4 and was independent of revising the document to address scope and work package changes. This document includes an electronic media attachment (CD-ROM in Attachment C). | | | |
| Change History | | | |
| 10. Revision No. | 11. Description of Change | | |
| REV 00 | Initial issue | | |
| REV 00 ICN 01 | Changed verification status of climate data (Table 1 and DIRS); added data tracking numbers for data accepted since release of REV 00 (Table 1; pp. 1, 9, 10, 17, 20, 21, DIRS); used modified crop coefficients for turf grass, which resulted in different values for irrigation rate (Tables 1, 3, 4 and pp. 10, 20); modified justification for selecting climate and air quality data from site 9 (pp. 7, 9); replaced reference to unfinished AMR with reference to Census Bureau data (pp. 6, 9, 11, 12, 16); and used electronic DIRS. | | |
| REV 01 | Added parameter values for analysis of volcanic eruption and climate change (throughout). Revised inputs and parameter values for mass loading to reflect a farming community and to base values on total suspended particles (Sections 4.1.1, 5.1.1, and 6.1.1). Added key technical issues and acceptance criteria (Section 4.2). Revised assumptions for time spent outdoors (Section 5.2.3) and parameter values for inhalation exposure time (Section 6.2) and external exposure time (Section 6.4). Corrected average annual precipitation value used in calculation of home irrigation rate (Section 6.5 and Appendix B). Updated format throughout. | | |