

EDMS *Reference Manual* Supplement

-Model Changes between EDMS 4.01 and EDMS 4.02-

October 23, 2001

Emissions & Dispersion

| Change | Effect |
|--|---|
| <p data-bbox="230 577 391 604"><u>System Tables</u></p> <p data-bbox="230 611 808 1058">In 4.0 and 4.01, seven (7) engine names in the system tables “eng_def.dbf” and “eng_ef.dbf”, the aircraft-engine combination and engine emission factor tables respectively, did not match up due to discrepancies in the cases of some characters in the names. These mismatches caused the affected engines’ emissions to be excluded from emissions inventories and EDMS to become unresponsive when generating AERMOD input files. The user may have received a warning message indicating the error, but the emissions inventory would have been calculated regardless of the warning. In version 4.02, the engines in the eng_ef.dbf table are corrected to match those in use in the eng_def.dbf table.</p> <p data-bbox="230 1094 708 1121">There are seven (7) corrected engine names:</p> <ul data-bbox="285 1127 639 1346" style="list-style-type: none">• PW4X56 Phase 3,• PW4X60 Phase 3,• PW4X62 (X698-20),• PW4X62 (X698-5),• RB211-535E4 PHASE 5,• RB211-535E4B PHASE5, and• SPEY MK511. | <p data-bbox="815 611 1383 785">The emissions of aircraft, which use the engines whose names are corrected in version 4.02, are properly included in the emissions inventory and cause no difficulty in AERMOD input file generation. The user must rerun the emissions inventory to achieve the correct results.</p> |