

Safety Analysis Software Problem Reporting Form

Software Name:	POSTMAX v. 2.0
Person Reporting Problem:	Raymond F. Sartor
Problem #:	POSTMAX_problem_6
<p><u>Definition of Potential Problem:</u></p> <p>Verification tests were not performed for Interface Requirements 6.a and 6.b (listed below).</p> <p>6. CDO Input Files</p> <p style="margin-left: 40px;">a. If POSTMAX is executed with option 3 and the POSTMAX single-year CDO files were not generated with the same POSTMAX option (i.e., all with 1 or all with 2), then POSTMAX should terminate with an error message to the terminal and POSTMAX output (cdo and csv) files.</p> <p style="margin-left: 40px;">b. If POSTMAX is executed with option 3 and a POSTMAX multi-year CDO file is specified for input, then POSTMAX should terminate with an error message to the terminal and POSTMAX output (cdo and csv) files.</p>	
<p><u>Evaluation of Potential Problem:</u></p> <p>Informal verification tests were performed for these requirements. The tests showed that the appropriate error messages are correctly displayed to the terminal, but the error message is written to files fort.103 and fort.108. The error messages are written to these files because the cdo and csv files are not opened before the error messages are written.</p>	
<p><u>Risk Assessment:</u></p> <p>The risk is minimal because the appropriate error messages are displayed to the terminal.</p>	
<p><u>Recommended Corrective Actions:</u></p> <p>In the next revision of POSTMAX, correct the source code and/or User's Guide.</p>	
<p>Problem Closure: Software Owner</p>	<p>_____</p> <p style="text-align: center;">Name _____</p> <p style="text-align: center;">Date</p>
<p>SQM SME</p>	<p>_____</p> <p style="text-align: center;">Name _____</p> <p style="text-align: center;">Date</p>

