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<b><u>TITLE:</u></b>	<b>Appropriate SESOIL Version to Use for Voluntary Actions</b>
<b><u>DATE EFFECTIVE:</u></b>	January 2003
<b><u>HISTORY:</u></b>	Update of VA30007.09.019 - Revision was necessary to reflect changes in the rule citations that became effective in August 2014.
<b><u>KEYWORDS:</u></b>	SESOIL, fate and transport model; modeling; leaching; leach-based soil values, LBSV
<b><u>RULE/ AUTHORITY:</u></b>	OAC 3745-300-07(F)(4); 3745-300-07(G); 3745-300-10(D); 3745-300-10(E)(3)
<b><u>QUESTION:</u></b>	What version of SESOIL is appropriate for use when conducting voluntary actions?
<b><u>ANSWER:</u></b>	It is not the intent of the VAP to dictate the selection of leaching software to be utilized by the volunteer. It is, however, expected that the version be code-verified and scientifically valid for the process being modeled as required by OAC 3745-300-07(G). The volunteer should be aware that early SESOIL public domain MS-DOS version (Pre-1995) had mass balance discrepancies. These errors have been corrected in many of the proprietary SESOIL pre- and post-processor packages that are currently available. The user should verify with the model provider that these mass balance errors have been corrected in their version.
<b><u>BACKGROUND:</u></b>	OAC 3745-300-07(F)(4) requires the volunteer to demonstrate continued compliance with the provision of protecting ground water meeting unrestricted potable use standards (UPUS). The ground water response requirements in OAC 3745-300-10(E)(3) require that remedial activities be implemented to prevent leaching from source areas on the property that will result in UPUS being exceeded in ground water at a compliance point. (Note: SESOIL model will only address what COCs will reach ground water and does not address fate and transport within the ground water zone.)
<b><u>OHIO EPA CONTACT:</u></b>	For any questions concerning this issue, please contact the VAP central office at (614) 644-2924.