

M E M O R A N D U M

MEMO #: PS93-005

To: Permit Section Staff
From: R K Hancock III
Date: November 30, 1993
Subject: SAND&GVL.WK1 emission factors

=====

Since there has been some controversy recently with some sources as to emission factors used for crushers, screens, etc. Jim Geier has asked me to circulate this memo with emission factors currently used in SAND&GVL.WK1.

Jim also requested that SAND&GVL.WK1 be given a version number so that should the emission factors used in the program be changed, it would be easier to track. The current version number (for which the included emission factors are valid) is 1193. This number has been added to the version of SAND&GVL.WK1 on K:\TMPLTS\LOTUS.

A word on silt content. I have been using 8% when the applicant does not know the actual value. This number can vary a lot, and has a very significant effect on fugitive emission calculations from roads. Silt is defined as particles smaller than 75 microns. Silt content would rarely exceed 15% for a gravel pit, since after significant use, the roads would be mostly gravel. For a freshly graded road, the silt content could approach 30% (maybe more in rare cases). For more information, refer to the Dr. Dust memo or AP42.