Summary:

A plan is being executed to address the dispersion parameters and deposition velocity (DV) issues at SRS. Actions within this plan include evaluation of meteorological data collection, evaluation of meteorological data normalization methods (e.g. EPA-454), development of SRS specific deposition velocities for particulates and tritium oxide (waters), evaluation of dispersion coefficient options (i.e. Tadmor-Gur, Briggs, etc.), and evaluation of surface roughness values appropriate for onsite and offsite receptors. This data is used in the Melcor Accident Consequence Code System, version 2 (MACCS2) computer code to support the sites Documented Safety Analyses. The initial phase of work is the development and agreement on analysis parameters and methods to be used in future dose calculations. The analysis and results to date will be described.