Table 4.2 Effect of reduction of SO_2 and oxidizer concentrations on the H_2SO_4 formation rate

Oxidizer	Effect of Action		
	A. Reduce Only SO_2	B. Reduce Only Oxidizer	C. Reduce Both
Photochemically generated radicals	direct reduction[a]	direct reduction	compounded reduction
H_2O_2 (aqueous)			
a. $[SO_2] > [H_2O_2]$	no significant reduction	direct reduction	no additional benefits over B as long as $[SO_2] > [H_2O_2]$
b. $[SO_2] < [H_2O_2]$	direct reduction	no significant reduction	no additional benefit over A as long as $[SO_2] < [H_2O_2]$
O_3 (aqueous), $[H_2O_2] > 1$ ppb	no significant reduction	no significant reduction	no significant reduction
O_3 (aqueous), $[H_2O_2] < 1$ ppb			
a. $[SO_2] > [O_3]$	less than direct reduction	less than direct reduction	compounded reduction
b. $[SO_2] < [O_3]$	less than direct reduction	less than direct reduction	compounded reduction

[a]Assumes that this action does not cause the free radical concentrations to increase.