

Comp. (i)	S0	S1	S2	S3	
Process (j)	S_O (gO ₂ m ⁻³)	S_{NO_2} (gN m ⁻³)	S_{NH} (gN m ⁻³)	S_C (gCOD m ⁻³)	Units of rates
P0	$1-1/Y_H$		$-i_{NX}$	$-1/Y_H$	gCOD _{XH} m ⁻³ d ⁻¹
P1	$f_{XI}-1$		$i_{NX}*(1-f_{XI})$		gCOD _{XH} m ⁻³ d ⁻¹
P2	$3.43*(i_{NX} -1/Y_A)$	$-i_{NX} +1/Y_A$	$-1/Y_A$		gCOD _{XA} m ⁻³ d ⁻¹
P3	$f_{XI}-1$		$i_{NX}*(1-f_{XI})$		gCOD _{XA} m ⁻³ d ⁻¹
P4	$-1.14/Y_N$	$-1/Y_N$	$-i_{NX}$		gCOD _{XN} m ⁻³ d ⁻¹
P5	$f_{XI}-1$		$i_{NX}*(1-f_{XI})$		gCOD _{XN} m ⁻³ d ⁻¹