2*NON+2. BXYZP(II,NON) = Stoichiometric coefficient of the NON-th component in the II-th product species or in the I-th precipitated/dissolved species, for use in mole balance equation.

DATA SET 28: MICROBIAL SPECIES

This data set is needed only if NOMB or NOMA .GT. 0. For each species, two lines are needed. The NOMB aqueous microbial species should be listed first, then the NOMA adsorbed microbial components. (NOMB and NOMA are specified in Data Set 10).

Line 1 - FORMAT(A20, I5)

1. SPECN(II) = Name of the II-th species

Line 2 - (FREE FORMAT) contains the following variables

1. ISCN(II) = Indicator of the II-th species concentration
   0 = species concentration is to be computed.
   3 = species concentration is fixed.

2. PKD = Log10 of the death/decay constant of the I-th microbial species.

3. NER = Number of chemical species affected by endogenous respiration of this microbial species.

The following lines are needed only if NER .GT. 0. Two lines are needed for each of the NER species affected by endogenous respiration.

Line 3 - (FREE FORMAT) contains the following variable

1. IGER(II,J) = global species number of the J-th chemical species affected by endogenous respiration of the II-th microbial species.

Line 4 - (FREE FORMAT) contains the following variables

1. ERAIJ = stoichiometric coefficient for use of the J-th chemical species due to maintenance/decay processes of this microbial species.

2. ERKIJ = half saturation constant for the J-th chemical species in the maintenance/decay processes of this microbial species.