```
PRAPE - PERSISTENT POLICITION APPEARANCE BATE
                (POLLUTION UNITS/YEAR)
    PPASR - PERSISTENT POLLUTION ASSIMILATION RATE
                (POLLUTION UNITS/YEAR)
PPOLX,K=PPOL,K/PPOL70
                                                        143. A
PPOL70=1.36E8
                                                        143.1. C
    PPOLX - INDEX OF PERSISTENT POLLUTION
    PPOL - PERSISTENT POLLUTION (POLLUTION UNITS)
    PPASR - PERSISTENT POLLUTION ASSIMILATION RATE
    PPOL - PERSISTENT POLLUTION (POLLUTION UNITS)
    AHL - ASSIMILATION HALF-LIFE (YEARS)
    TABLE - A PERCTION WITH VALUES SPECIFIED BY A TABLE
    AHLMY - AHLM TABLE
    ANLTO - ASSIBILATION HALF-LIFE IN 1970 (YEARS)
    ANLM - ASSIMILATION HALF-LIFE MULTIPLIER
  SUPPLEMENTARY DOMATIONS
    FOA - FRACTION OF OUTPUT IN AGRICULTURE
               (DIMENSIONLESS)
           - FOOD (VEGETABLE-EQUIVALENT KILOGRAMS/YEAR)
    IO - INDUSTRIAL OUTPUT (DOLLARS/YEAR)
FOI.K=IO.K/(.22*F.K*SO.K*IO.K)
FOI - FRACTION OF OUTPUT IN INDUSTRY
           - INDUSTRIAL OUTPUT (DOLLARS/YEAR)
          - FOOD (VEGETABLE-EQUIVALENT KILOGRAMS/YEAR)
- SERVICE OUTPUT (DOLLARS/YEAR)
           - FRACTION OF OUTPUT IN SERVICES
           - SERVICE OUTPUT (DOLLARS/YEAR)
- FOOD (VESCTABLE-EQUIVALENT KILOGRAMS/YEAR)
           - INDUSTRIAL OUTPUT (DOLLARS/YEAR)
  CONTROL CARDS FOR SIMULATION
    PYEAR - YEAR NEW POLICY IS IMPLEMENTED (YEAR)
    TIME - CURRENT TIME IN THE SIMULATION RUN
    PLTPER - INTERVAL BETWEEN PLOTTED OUTPUT POINTS
          - PLOTTING PERIOD (YEARS)
          - INITIATION OF PLOTTED OUTPUT (YEAR)
- PRINTING PERIOD (YEARS)
PRIPER. E-STEP (PRP, PRIT) +STEP (-PRP, PRIT)
```

```
PRIPER - INTERVAL BETWEEN PRINTED OUTPUT POINTS
PRP - PRINTING PERIOD (YEARS)
PRIT - PRINTED OUTPUT INITIATION TIME (YEAR)
PRIT - PRINTED OUTPUT TERMINATION TIME (YEAR)
```

Note: The equations constituting the World3 model are written in the notation that is consistent with the DYNAMO compiler. Appendixes A and B were produced with the documentor option of the DYNAMO compiler. DYNAMO II for the IBM/360 and IBM/370 systems, as well as DYNAMO IIF (a precompiler to FORTRAN which is written in FORTRAN), for any medium or large system is available from Pugh-Roberts Associates, Inc., 5 Lee Street, Cambridge, Massachusetts 02139.

Also, a machine language version of DYNAMO for the General Electric and Honeywell systems is available from DTSS, Inc., 35 S. Main Street, Hanover, New Hampshire 03755.