

Oklahoma Gas and Electric LLC– McClain Facility; Newcastle, Oklahoma – 2023 ODEQ Permit Renewal
September 2023

APPENDIX 3 MULTILAYER PRESSURE CALIBRATION MODEL

File: oge_cal_historical_60md.PRM

Injection Well #1-WDW-1

PARAMETER (NLEV=4)

C NLEV IS THE TOTAL NUMBER OF LAYERS (AQUIFER+CONFINING)

C NLEV MUST = NLEVEL READ FROM INPUT FILE

C

PARAMETER (MXWELL=1)

C MXWELL IS THE NUMBER OF INJECTION WELLS TO BE CALCULATED

C MXWELL MUST = NWELL READ FROM INPUT FILE

C

PARAMETER (MXINJ=1)

C MXINJ IS THE NUMBER OF INJECTION LEVELS TO BE INCLUDED

C MXINJ MUST = NINJ READ FROM INPUT FILE

C

PARAMETER (MXTM=253)

C MXTM IS THE MAXIMUM ALLOWABLE NUMBER OF TIME PERIODS FOR CALC

C MXTM MUST BE >= NUMBER OF TIME PERIODS FROM INPUT FILE

C

PARAMETER (MXMON=100)

C MXMON IS THE MAXIMUM ALLOWABLE NUMBER OF MONITOR COORDIATES

C MXMON MUST BE >= NMON READ FORM INPUT FILE

C

PARAMETER (MXMONC=100)

C MXMONC IS THE MAXIMUM NUMBER OF MONITOR COORDIATES

C TO WILL BE CALCULATED

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C MXMONC MUST BE \geq THE NUMBER OF UNSTARRED MONITOR COORD

C READ FORM INPUT FILE

C

PARAMETER (NTPSCL=60)

C NTPSCL IS THE NUMBER OF TIME PERIODS INTO THE INJECTION HISTORY

C WHICH WILL BE USED BEFORE CHANGING TO A MORE COARSE TIME SCALE (10

C NTPSCL SHOULD BE AS LARGE AS POSSIBLE WITHOUT EXHAUSTING THE

C AVAILABLE MEMORY. VALUES DOWN TO ABOUT 40 SHOULD WORK.

C

PARAMETER (NTPTEN=50)

C NTPTEN IS THE MAXIMUM NUMBER OF COARSE TIME PERIODS ALLOWED

C THE VALUE OF NTPSCL+10*NTPTEN MUST BE \geq NUMBER OF TIME

C PERIODS FROM INPUT FILE

C

PARAMETER (MXCTP=10)

C MXCTP IS THE MAXIMUM NUMBER OF TIME PERIODS THAT CAN BE SPECIFIED

C FOR OUTPUT INTO THE (.PCNT) FILE FOR PRESSURE CONTOUR PLOTS