

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

APPENDIX 4 DuPont Basic Plume Model Run Files

**File-oge\_plume\_MAX.inj**

Injection Well #1-WDW-1

1 INJECTION WELLS -- Pawhuska Sand Injection

WELL X COORD Y COORD

1 0. 0.

90.0 = THICKNESS OF INJECTION ZONE (FT)

0.184 = POROSITY

0.600E-01 = PERMEABILITY (DARCIES)

100.0 = THICKNESS OF UPPER CONFINING ZONE (FT)

0.001 = POROSITY

0.100E-14 = PERMEABILITY (DARCIES)

INJECTION HISTORY (GPM)

YEAR

WELL #

1 2 3 4 5 6 7 8 9 10

23456789012345678901234567890123456789012345678901234567890

2002 84.2

2003 98.3

2004 175.2

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2005 217.6  
2006 236.1  
2007 257.8  
2008 197.0  
2009 265.5  
2010 246.6  
2011 161.6  
2012 61.7  
2013 65.4  
2014 22.3  
2015 91.3  
2016 64.4  
2017 41.3  
2018 27.3  
2019 42.3  
2020 9.4  
2021 11.6  
2022 11.8  
2023 550.0  
2024 550.0

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2025 550.0  
2026 550.0  
2027 550.0  
2028 550.0  
2029 550.0  
2030 550.0  
2031 550.0  
2032 550.0  
2033 550.0  
2034 550.0  
2035 550.0