

Base-Case Groundwater Uranium Concentrations For Natural Attenuation Predictive Model

	Alluvial Aquifer	Upper Chinle Aquifer	Middle Chinle Aquifer	Lower Chinle Aquifer		San Andres Glorieta Aquifer
				Non-Mixing	Mixing	
Maximum Source-Area Groundwater Concentration (mg/L)						
Maximum POE 1 Concentration (mg/L)	Dry	Absent	0.0200	0.0200	Absent	0.0055
Maximum POE 2 Concentration (mg/L)	0.0231	0.0243	0.0209	0.0200	Absent	0.0055
Maximum POE 3 Concentration (mg/L)	0.0191	0.0204	0.0194	0.0200	Absent	0.0055
Maximum POE 4 Concentration (mg/L)	0.0142	0.0213	0.0201	0.0200	Absent	0.0055
Maximum POE 5 Concentration (mg/L)	0.0214	0.0201	0.0201	0.0200	Absent	0.0055
Maximum POE 6 Concentration (mg/L)	Dry	Absent	0.0200	0.0200	Absent	0.0056
Maximum POE 7 Concentration (mg/L)	Dry	Absent	Absent	NA	0.0250	0.0057
Maximum POE 8 Concentration (mg/L)	Dry	Absent	Absent	NA	0.0200	0.0059
Maximum POE 9 Concentration (mg/L)	0.0188	Absent	Absent	Absent	Absent	0.0089
Maximum POE 10 Concentration (mg/L)	0.0198	Absent	Absent	Absent	Absent	0.0128
Maximum POE 11 Concentration (mg/L)	0.0145	Absent	Absent	Absent	Absent	0.0057
Maximum POE 12 Concentration (mg/L)	Dry	Absent	Absent	0.0200	Absent	0.0055
Maximum POE Concentration	0.0214	0.0213	0.0209	0.0200	0.0250	0.0128

Aquifer not present at this location due to absence of saturation or geologically absent Excluded, value reflects upgradient inputs, not mill-related source

POE- Point of Exposure POC = Point of Compliance


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Year  Area  MC  MC  MC  MC
1  0.00  0.00  0.00  0.00
2  0.00  0.00  0.00  0.00
3  0.00  0.00  0.00  0.00
4  0.00  0.00  0.00  0.00
5  0.00  0.00  0.00  0.00
6  0.00  0.00  0.00  0.00
7  0.00  0.00  0.00  0.00
8  0.00  0.00  0.00  0.00
9  0.00  0.00  0.00  0.00
10 0.00  0.00  0.00  0.00
11 0.00  0.00  0.00  0.00
12 0.00  0.00  0.00  0.00
13 0.00  0.00  0.00  0.00
14 0.00  0.00  0.00  0.00
15 0.00  0.00  0.00  0.00
16 0.00  0.00  0.00  0.00
17 0.00  0.00  0.00  0.00
18 0.00  0.00  0.00  0.00
19 0.00  0.00  0.00  0.00
20 0.00  0.00  0.00  0.00
21 0.00  0.00  0.00  0.00
22 0.00  0.00  0.00  0.00
23 0.00  0.00  0.00  0.00
24 0.00  0.00  0.00  0.00
25 0.00  0.00  0.00  0.00
26 0.00  0.00  0.00  0.00
27 0.00  0.00  0.00  0.00
28 0.00  0.00  0.00  0.00
29 0.00  0.00  0.00  0.00
30 0.00  0.00  0.00  0.00
31 0.00  0.00  0.00  0.00
32 0.00  0.00  0.00  0.00
33 0.00  0.00  0.00  0.00
34 0.00  0.00  0.00  0.00
35 0.00  0.00  0.00  0.00
36 0.00  0.00  0.00  0.00
37 0.00  0.00  0.00  0.00
38 0.00  0.00  0.00  0.00
39 0.00  0.00  0.00  0.00
40 0.00  0.00  0.00  0.00
41 0.00  0.00  0.00  0.00
42 0.00  0.00  0.00  0.00
43 0.00  0.00  0.00  0.00
44 0.00  0.00  0.00  0.00
45 0.00  0.00  0.00  0.00
46 0.00  0.00  0.00  0.00
47 0.00  0.00  0.00  0.00
48 0.00  0.00  0.00  0.00
49 0.00  0.00  0.00  0.00
50 0.00  0.00  0.00  0.00
51 0.00  0.00  0.00  0.00
52 0.00  0.00  0.00  0.00
53 0.00  0.00  0.00  0.00
54 0.00  0.00  0.00  0.00
55 0.00  0.00  0.00  0.00
56 0.00  0.00  0.00  0.00
57 0.00  0.00  0.00  0.00
58 0.00  0.00  0.00  0.00
59 0.00  0.00  0.00  0.00
60 0.00  0.00  0.00  0.00
61 0.00  0.00  0.00  0.00
62 0.00  0.00  0.00  0.00
63 0.00  0.00  0.00  0.00
64 0.00  0.00  0.00  0.00
65 0.00  0.00  0.00  0.00
66 0.00  0.00  0.00  0.00
67 0.00  0.00  0.00  0.00
68 0.00  0.00  0.00  0.00
69 0.00  0.00  0.00  0.00
70 0.00  0.00  0.00  0.00
71 0.00  0.00  0.00  0.00
72 0.00  0.00  0.00  0.00
73 0.00  0.00  0.00  0.00
74 0.00  0.00  0.00  0.00
75 0.00  0.00  0.00  0.00
76 0.00  0.00  0.00  0.00
77 0.00  0.00  0.00  0.00
78 0.00  0.00  0.00  0.00
79 0.00  0.00  0.00  0.00
80 0.00  0.00  0.00  0.00
81 0.00  0.00  0.00  0.00
82 0.00  0.00  0.00  0.00
83 0.00  0.00  0.00  0.00
84 0.00  0.00  0.00  0.00
85 0.00  0.00  0.00  0.00
86 0.00  0.00  0.00  0.00
87 0.00  0.00  0.00  0.00
88 0.00  0.00  0.00  0.00
89 0.00  0.00  0.00  0.00
90 0.00  0.00  0.00  0.00
91 0.00  0.00  0.00  0.00
92 0.00  0.00  0.00  0.00
93 0.00  0.00  0.00  0.00
94 0.00  0.00  0.00  0.00
95 0.00  0.00  0.00  0.00
96 0.00  0.00  0.00  0.00
97 0.00  0.00  0.00  0.00
98 0.00  0.00  0.00  0.00
99 0.00  0.00  0.00  0.00
100 0.00 0.00 0.00 0.00

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