

2006 Storm Water Bypass Evaluation Impact on the Great Miami River

Date¹	Uranium Concentration in Bypassed Storm Water (ppb)	Uranium Concentration at Parshall Flume² (ppb)	Background Uranium Concentration in GMR (ppb)	Uranium Concentration after Mixing Bypass Storm Water with GMR (ppb)³	EPA Federal Drinking Water Standard (ppb)	OU5 ROD Final Remediation Level Uranium in GMR (ppb)	Year to Date Mass Discharge (pounds)
3/17	115	30	2.13	2.17	30	530	19.74
3/18	115	36.4	2.13	2.19	30	530	21.61
3/19	115	37.2	2.13	2.20	30	530	23.52
3/20	90	36.9	2.13	2.20	30	530	25.35
3/21	90	24.5	2.13	2.19	30	530	26.69

¹ Bold dates are bypass days counted toward the 10-day annual allotment. Remaining dates are partial bypass days.

² The Parshall Flume facility is the last point where Fernald measures the blended flow and uranium concentration of discharge water to the Great Miami River.

³ Calculated estimate based on actual flow rates in the Great Miami River.