

2005 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)
1/5	503.9	32.7	2.13	2.135	30	530	7.75
1/6	467.5	114.8	2.13	2.145	30	530	12.99
1/7	435.6	96.2	2.13	2.145	30	530	17.38

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

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

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