Huff Run Bacteria Studies
with the Tuscarawas County Health Department

These studies are meant to quantify the human (raw sewage) and animal waste pollution problem within the watershed. Six sites were selected to be studied where there are known septic problems. Ohio EPA's standard for fecal coliform is 1000 count/ 30 days. Many of the sites in 2004 were above this limit. Extensions to sewer lines were under construction in 2008 and the coliform levels were already going down. A neutral pH of 7.0 is optimal.

2004

Site	pH	Suspended solids	Fecal coliform	CBOD	Ammonia
At Mineral City Sewer System	6.80	14 mg/l	3700	1.9 mg/l	0.28mg/l
Brass Rd Bridge (HR6)	7.13	6 mg/l	1400	1.2 mg/l	0.28mg/l
Cline Hill Rd Bridge	7.11	8 mg/l	620	4.7 mg/l	0.24 mg/l
Co. Rd. 90 Bridge (HR28)	6.67	4 mg/l	2000	2.8 mg/l	0.26 mg/l
Mineral City Park	6.83	4 mg/l	75	2.2 mg/l	0.20 mg/l
Dutchtown Rd	6.73	4 mg/l	330	3.0 mg/l	0.42 mg/l

2008

Site	pH	Suspended solids	Fecal coliform	CBOD	Ammonia
At Mineral City Sewer System	7.01	36 mg/l	1300	5.0 mg/l	0.23 mg/l
Brass Rd Bridge (HR6)	7.61	4 mg/l	170	7.1 mg/l	0.17 mg/l
Cline Hill Rd Bridge	7.03	5 mg/l	520	7.0 mg/l	0.10 mg/l
Co. Rd. 90 Bridge (HR28)	6.45	12 mg/l	67	7.7 mg/l	0.22 mg/l
Mineral City Park	7.15	4 mg/l	74	8.6 mg/l	0.22 mg/l
Dutchtown Rd	7.07	26 mg/l	130	11.2 mg/l	0.31 mg/l

2009

Site	pH	Suspended solids	Fecal coliform	Ammonia
At Mineral City Sewer System	7.13	76 mg/l	2100	0.31 mg/l

Brass Rd Bridge (HR6)	7.47	8 mg/l	28	0.21 mg/l
Cline Hill Rd Bridge	7.32	4 mg/l	190	0.22 mg/l
Co. Rd. 90 Bridge (HR28)	6.80	8 mg/l	910	0.44 mg/l
Co. Rd. 90 Bridge (HR28) downstream	6.74	8 mg/l	200	0.29 mg/l
Mineral City Park	7.37	4 mg/l	47	0.18 mg/l
Dutchtown Rd	7.22	16 mg/l	17	0.19 mg/l