

**Table 3.5-5
Creek Shut Down Monitoring Results for Station SW-8
Former York Naval Ordinance Plant - York, PA**

Sample Date	Detected Concentrations at Station SW-8 in µg/L			Codorus Creek Discharge at USGS Gauge No. 01575500 (cfs)	Calculated Codorus Creek Discharge at Station SW-8 (cfs)	% Base Flow on Sample Date	Mass Flux in Creek at Station SW-8 (lbs/day)		
	PCE	TCE	cis12DCE				PCE	TCE	cis12DCE
01/17/14	0.77	0.47	0.27	503	587	100%	2.44	1.49	0.86
01/23/14	1.20	0.67	0.41	355	414	100%	2.68	1.50	0.92
02/04/14	0.91	0.52	0.32	378	441	78%	2.16	1.24	0.76
02/20/14	0.71	0.45	0.29	561	655	70%	2.51	1.59	1.02
03/04/14	1.20	0.55	0.38	492	574	100%	3.72	1.70	1.18
03/17/14	1.20	0.51	0.001	556	649	100%	4.20	1.79	0.00
08/25/14	0.75	0.43	0.59	108	126	89%	0.51	0.29	0.40
09/08/14	1.00	0.60	0.59	94	109	93%	0.59	0.35	0.35
09/22/14	1.20	0.60	0.63	86	100	95%	0.65	0.32	0.34
10/06/15	1.90	0.75	0.71	95	111	82%	1.14	0.45	0.42
10/20/14	2.20	1.10	0.79	85	99	100%	1.17	0.59	0.42
11/03/14	2.00	1.00	0.82	93	108	96%	1.17	0.58	0.48
11/20/14	1.90	1.10	0.82	82	95	89%	0.98	0.57	0.42
12/03/14	1.50	0.77	0.58	201	235	47%	1.90	0.97	0.73
12/22/14	2.20	1.20	0.80	99	115	100%	1.36	0.74	0.50
01/13/15	0.82	0.49	0.40	294	343	40%	1.52	0.91	0.74
Arithmetic Mean (1)	1.34	0.70	0.53						
Arithmetic Mean (2)	1.79	0.92	0.70						
WQC	0.69	2.5	12						

Notes: (1) - Arithmetic mean calculated based on all sample results
(2) - Arithmetic mean calculated based on sample data from 10/6/14 and later
WQC - Water quality criteria from PA Code § Chapter 93 - Water Quality Standards (Table 5 - Water Quality Criteria for Toxic Substances
cfs - cubic feet per second
0.001 - represents a non-detect concentration