

**Table 3.5-2
Creek Shut Down Monitoring Results for Station SW-27
Former York Naval Ordnance Plant - York, PA**

Sample Date	Detected Concentrations at Station SW-27 in µg/L			Codorus Creek Discharge at USGS Gauge No. 01575500 (cfs)	Calculated Codorus Creek Discharge at Station SW-27 (cfs)	% Base Flow on Sample Date	Mass Flux in Creek at Station SW-27 (lbs/day)		
	PCE	TCE	cis12DCE				PCE	TCE	cis12DCE
01/27/14	0.26	0.44	0.47	311	358	92%	0.50	0.85	0.91
02/04/14	0.32	0.53	0.51	378	435	78%	0.75	1.25	1.20
02/20/14	0.001	0.25	0.001	561	647	70%	0.00	0.87	0.00
03/04/14	0.26	0.54	0.49	492	567	100%	0.80	1.65	1.50
03/17/14	0.001	0.001	0.001	556	642	100%	0.00	0.00	0.00
08/25/14	0.17	0.33	0.48	108	125	89%	0.11	0.22	0.32
09/08/14	0.25	0.35	0.49	94	108	93%	0.15	0.20	0.29
09/22/14	1.20	1.50	1.80	86	99	95%	0.64	0.80	0.96
10/06/14	0.83	0.80	0.98	95	109	82%	0.49	0.47	0.58
12/03/14	2.90	4.10	6.50	201	232	47%	3.63	5.13	8.13
01/13/15	2.00	2.70	3.50	294	339	40%	3.65	4.93	6.39
Arithmetic Mean (1)	0.74	1.05	1.38						
Arithmetic Mean (2)	1.91	2.53	3.66						
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