

**Table 3.5-1
Creek Shut Down Monitoring Results for Station SW-16
Former York Naval Ordnance Plant - York, PA**

Sample Date	Detected Concentrations at Station SW-16 in µg/L			Codorus Creek Discharge at USGS Gauge No. 01575500 (cfs)	Calculated Codorus Creek Discharge at Station SW-16 (cfs)	% Base Flow on Sample Date	Calculated Mass Flux in Creek at Station SW-16 (lbs/day)		
	PCE	TCE	cis12DCE				PCE	TCE	cis12DCE
01/23/14	3.20	1.00	0.53	355	409	100%	7.07	2.21	1.17
02/04/14	2.10	0.81	0.46	378	435	78%	4.93	1.90	1.08
02/20/14	2.00	0.70	0.40	561	647	70%	6.98	2.44	1.40
03/04/14	2.80	1.00	0.52	492	567	100%	8.57	3.06	1.59
03/17/14	2.40	0.76	0.001	556	642	100%	8.31	2.63	0.00
08/25/14	1.60	0.82	0.78	108	125	89%	1.08	0.55	0.53
09/08/14	3.30	1.20	0.98	94	108	93%	1.92	0.70	0.57
09/22/14	4.10	1.50	1.20	86	99	95%	2.18	0.80	0.64
10/06/14	8.60	2.50	1.90	95	109	82%	5.07	1.47	1.12
10/20/14	11.00	3.80	2.50	85	98	100%	5.80	2.00	1.32
11/03/14	11.00	4.20	2.70	93	107	96%	6.34	2.42	1.56
11/20/14	3.90	1.90	1.00	82	94	89%	1.98	0.97	0.51
12/03/14	1.90	0.81	0.50	201	232	47%	2.38	1.01	0.63
12/22/14	4.20	1.70	0.83	99	114	100%	2.57	1.04	0.51
01/13/15	1.70	0.72	0.44	294	339	40%	3.11	1.32	0.80
Arithmetic Mean (1)	4.25	1.56	0.98						
Arithmetic Mean (2)	6.04	2.23	1.41						
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