

**Table 3.5-4
Creek Shut Down Monitoring Results for Station SW-28
Former York Naval Ordnance Plant - York, PA**

Sample Date	Detected Concentrations at Station SW-28 in µg/L			Codorus Creek Discharge at USGS Gauge No. 01575500 (cfs)	Calculated Codorus Creek Discharge at Station SW-28 (cfs)	% Base Flow on Sample Date	Mass Flux in Creek at Station SW-28 (lbs/day)		
	PCE	TCE	cis12DCE				PCE	TCE	cis12DCE
01/27/14	0.21	0.32	0.32	311	362	92%	0.41	0.63	0.63
02/04/14	0.19	0.29	0.29	378	441	78%	0.45	0.69	0.69
02/20/14	0.001	0.31	0.24	561	655	70%	0.00	1.09	0.85
03/04/14	0.16	0.39	0.30	492	574	100%	0.50	1.21	0.93
03/17/14	0.001	0.001	0.001	556	649	100%	0.00	0.00	0.00
08/25/14	0.001	0.20	0.33	108	126	89%	0.00	0.14	0.23
09/08/14	0.19	0.29	0.28	94	109	93%	0.11	0.17	0.16
09/22/14	0.24	0.34	0.35	86	100	95%	0.13	0.18	0.19
10/06/15	0.30	0.30	0.30	95	111	82%	0.18	0.18	0.18
10/20/14	0.37	0.49	0.68	85	99	100%	0.20	0.26	0.36
11/03/14	0.40	0.48	0.50	93	108	96%	0.23	0.28	0.29
11/20/14	0.30	0.35	0.42	82	95	89%	0.15	0.18	0.22
12/03/14	0.22	0.41	0.51	201	235	47%	0.28	0.52	0.65
12/22/14	0.34	0.43	0.53	99	115	100%	0.21	0.27	0.33
01/13/15	0.23	0.33	0.42	294	343	40%	0.43	0.61	0.78
Arithmetic Mean (1)	0.21	0.33	0.36						
Arithmetic Mean (2)	0.31	0.40	0.48						
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