TABLE 3-1
MONTHLY PRECIPITATION COMPARISON
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Month	2009 Precipitation Amount (inches)	Normal Precipitation Amount (inches)
January	2.12	3.44
February	0.67	2.77
March	1.87	3.65
April	3.28	3.52
May	6.13	4.26
June	4.94	4.31
July	5.07	3.75
August*	5.20	3.33
September*	5.59	4.10
October*	5.33	3.16
November*	2.36	3.47
December*	4.81	3.24
TOTALS:	47.37	43.00

Notes:
2009 Precipitation data collected by Harley-Davidson at its plant in York, PA
Normal precipitation data is for York, PA from Accuweather.com (determined in March 2004)
* Months with Non-production days with no staff on-site. No sampling was performed in accordance with direction provided during a meeting with the DEP (Julian Mazero and Shawn Arbaugh) on August 7, 2009.

TABLE 3-2
ANNUAL HISTORICAL PRECIPITATION TOTALS
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Calendar Year	Annual Rainfall (inches)
1992	36.73
1993	51.33
1994	45.68
1995	50.51
1996	58.85
1997	33.60
1998	42.95
1999	38.43
2000	37.45
2001	27.93
2002	39.80
2003	48.61
2004	55.30
2005	40.62
2006	40.93
2007	37.52
2008	47.70
2009	47.37

Notes:
Precipitation data for 1992 - 1997 from United States Geological Survey
Precipitation data for 1998 - 2002 from AccuWeather.com
Precipitation data for 2003 - 2009 from Harley-Davidson

TABLE 4-1
VOCs REMOVED FROM COLLECTED GROUNDWATER
JANUARY 1, 2009 - DECEMBER 31, 2009
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

DATE	MONTHLY GROUNDWATER WITHDRAWAL (PTA Totalizer, gallons)	AVERAGE MONTHLY TOTAL VOCs (ppb)		ESTIMATED MONTHLY VOC REMOVAL (pounds)
Jan-09	14,089,263	1142		134
Feb-09	12,536,548	1142	*	120
Mar-09	13,305,052	1142	*	127
Apr-09	12,914,726	1275		137
May-09	14,329,308	1275	*	153
Jun-09	13,658,131	1275	*	145
Jul-09	13,933,939	1036		121
Aug-09	12,198,275	1036	*	106
Sep-09	13,616,486	1036	*	118
Oct-09	14,087,178	1249		147
Nov-09	12,248,791	1249	*	128
Dec-09	14,254,024	1249	*	149
TOTAL	**161,171,721**	**NA**		**1,584**

ANNUAL TOTALS		
YEAR	YEARLY GROUNDWATER WITHDRAWAL (gallons)	ESTIMATED YEARLY VOC REMOVAL (pounds)
1990 (NOV & DEC)	12,954,886	92
1991	62,458,393	357
1992	66,081,120	322
1993	72,198,940	421
1994	88,387,251	3,905
1995	141,357,856	5,572
1996	152,168,899	3,631
1997	150,246,400	2,675
1998	157,461,800	2,795
1999	133,687,100	1,464
2000	152,839,477	1,785
2001	134,557,249	1,659
2002	121,290,897	1269
2003	153,097,508	1,599
2004	140,725,167	1,786
2005	134,503,508	1,550
2006	125,192,364	1,295
2007	149,331,940	1,734
2008	155,341,655	1,560
2009	161,171,721	1,584
TOTAL	**2,465,054,130**	**37,056**

NOTES:
* - No sample collected this month; concentration is the most recent
NA - Not Applicable

TABLE 5-1
RECORD OF GROUNDWATER WITHDRAWALS
JANUARY 1, 2008 - DECEMBER 31, 2008
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

	NPBA WELLS (gallons)										TCA WELLS (gallons)		WPL WELLS (gallons)					Softail De-	MONTHLY
MONTH	CW-1	CW-1A	CW-2	CW-3	CW-4	CW-5	CW-6	CW-7	CW-7A	SUBTOTAL	CW-8	SUBTOTAL	CW-9	CW-13	CW-15A	CW-17	SUBTOTAL	Watering System	TOTAL
Jan-09	70,360	9951	26,258	119,939	82,723	80,231	147,032	23,954	40,185	600,633	4,493,300	4,493,300	3,291,143	2,292,320	173,610	3,159,405	8,916,478	69,270	14,079,681
Feb-09	75,341	4,908	24,372	105,396	76,667	61,975	144,512	21,664	29,636	544,471	4,023,700	4,023,700	2,882,648	2,478,233	142,019	2,487,250	7,990,150	29,710	12,588,031
Mar-09	106,424	4,729	22,451	106,505	82,593	47,577	146,412	23,142	27,772	567,605	4,227,800	4,227,800	3,060,526	2,864,314	119,056	2,382,263	8,426,159	28,990	13,250,554
Apr-09	90,615	4,662	20,444	104,407	75,991	70,968	229,936	21,178	26,456	644,657	4,307,300	4,307,300	2,603,596	2,746,803	119,839	2,428,690	7,898,928	128,320	12,979,205
May-09	100,740	9,674	21,632	110,744	88,789	107,626	250,882	31,715	37,523	759,325	4,442,100	4,442,100	3,053,723	2,865,543	145,571	3,215,137	9,279,974	155,440	14,636,839
Jun-09	97,333	8,798	22,205	112,258	82,079	91,922	135,152	47,976	49,654	647,377	4,240,900	4,240,900	2,970,460	2,707,521	140,289	3,014,210	8,832,480	78,690	13,799,447
Jul-09	100,872	6,272	19,216	87,177	59,081	77,153	115,983	28,762	46,032	540,548	4,442,800	4,442,800	3,132,514	2,806,179	145,261	2,878,509	8,962,463	20,460	13,966,271
Aug-09	77,952	2,785	19,105	104,746	76,719	59,090	1,911	18,058	32,505	392,871	3,852,100	3,852,100	2,704,945	2,431,417	128,374	2,719,580	7,984,316	14,270	12,243,557
Sep-09	88,294	4,258	20,626	114,133	63,687	68,205	126	7,699	15,846	382,874	4,303,300	4,303,300	3,020,579	2,534,154	147,998	3,252,386	8,955,117	62,230	13,703,521
Oct-09	36,162	1,443	11,082	147,003	99	87,836	75,995	9,959	17,273	386,852	4,425,600	4,425,600	3,095,878	3,017,901	159,832	2,863,111	9,136,722	116,640	14,065,814
Nov-09	62,482	5,020	14,697	103,686	55,818	96,760	65,690	44,583	29,415	478,151	3,741,700	3,741,700	2,627,078	2,560,618	147,006	2,753,550	8,088,252	75,330	12,383,433
Dec-09	113,020	11,464	16,161	143,420	87,457	133,791	24,307	96,475	54,804	680,899	3,815,300	3,815,300	3,236,661	3,241,505	176,612	2,960,779	9,615,557	185,840	14,297,596
TOTALS	1,019,595	73,964	238,249	1,359,414	831,703	983,134	1,337,938	375,165	407,101	6,626,263	50,315,900	50,315,900	35,679,751	32,546,508	1,745,467	34,114,870	104,086,596	965,190	161,993,949

VALUES ARE IN GALLONS FOR EACH EXTRACTION WELL

TABLE 5-2
GROUNDWATER EXTRACTION WELL PUMPING WATER LEVEL ELEVATIONS
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Extraction System Location	Well No.	Reference Elevation (ft AMSL)	Range (ft AMSL)		Groundwater Elev. (ft AMSL)											
			Pump On (High)	Pump Off (Low)	21-Jan-09	26-Feb-09	19-Mar-09	15-Apr-09	22-May-09	18-Jun-09	30-Jul-09	28-Aug-09	21-Sep-09	26-Oct-09	12-Nov-09	17-Dec-09
NPBA	CW-1	570.07	495.57	492.57	494.91	491.45	489.46	496.23	499.19	494.56	492.45	514.28	492.39	531.03	498.41	491.75
	CW-1A	568.28	508.78	505.78	NM	506.53	510.33	506.91	507.76	510.27	506.78	507.2	505.79	534.92	509.13	507.25
	CW-2	556.95	483.45	480.45	464	474.44	479.57	480.2	482.19	479.47	480.9	480.48	480.53	528.71	478.95	509.72
	CW-3	518.66	440.66	437.66	437.34	436.31	438	438.19	438.92	439	439.63	449.61	438.14	436.81	438.08	437.47
	CW-4	541.55	458.05	455.05	NM	454.91	456.55	457.00	475.34	467.33	467.26	471.74	456.5	508	469.28	475.24
	CW-5	470.34	424.84	421.84	NM	421.85	NM	451.16	425.49	423.99	423.43	423.8	423.09	423.43	421.99	420.59
	CW-6	484.67	415.57	412.57	412.66	413.95	413.89	415.34	419.77	413.97	413.94	469.71	NM	411.03	413.78	OL
	CW-7	573.78	493.28	490.28	492.77	491.47	491.67	490.74	488.34	488.52	491.29	486.72	NM	538.31	511.14	491.99
	CW-7A	573.91	523.41	520.41	522.29	524.06	518.89	522.66	527.25	522.91	523.46	520.01	NM	536.46	525.26	524.1
TCA	CW-8	362.70	341.34	337.34	336.99	335.65	NM	NM	338.34	339.00	337.61	337.19	338.69	339.32	337.99	OL
WPL	CW-9	356.82	333.79	328.79	332.3	328.39	328.36	NM	322.37	NM	NM	NM	333.01	333.43	NM	334.77
	CW-13	358.85	327.60	322.60	327.56	321.9	324.44	323.47	324.88	324.94	324.32	325.74	323.53	324.22	323.39	322.27
	CW-15A	361.40	333.50	328.50	336.32	335.82	335.85	336.92	336.16	326.52	335.89	336.19	331.68	337.09	326.1	336.55
	CW-17	358.70	336.37	331.47	322.49	321.48	325.49	325.85	330.17	327.37	329.51	329.96	319.93	325.79	326.95	329.82

Notes:
ft AMSL - feet above mean sea level
NM - Not Measured

TABLE 5-3
COMPARISON OF INDIVIDUAL VOC VS TOTAL VOC CONCENTRATIONS
NORTHEAST PROPERTY BOUNDARY AREA
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Wells	TCE May-08 (µg/l)	TCE Jun-09 (µg/l)	TCE%* Jun-09	PCE May-08 (µg/l)	PCE Jun-09 (µg/l)	PCE%* Jun-09
CW-1	63	66	84.6	N.D.	N.D.	N.D.
CW-1A	52	51	100.0	N.D.	N.D.	N.D.
CW-2	22	19	83.3	N.D.	N.D.	N.D.
CW-3	16	22	43.7	N.D.	1.4	2.8
CW-4	66	73	69.0	4.0	6	5.5
CW-5	1.1	3.8	35.8	1.7	3.2	30.2
CW-6	22	18	16.1	70	64	57.1
CW-7	8.6	7.4	100.0	N.D.	N.D.	N.D.
CW-7A	310	180	100	N.D.	3.6	2
MW-10	62	170	33.3	N.D.	N.D.	N.D.
MW-12	56	50	96.0	2.1	2.1	4.0
RW-2	1.7	3.9	95.6	N.D.	0.18	N.D.

* - Represents the percent of the total volatile organic compound concentration.
N.D. - Not Detected above laboratory reporting limit
N.S. - Not Sampled, well not pumping water at time of collection
(µg/l) - Micrograms per liter
TCE - trichloroethene
PCE - tetrachloroethene
Note - Laboratory data flagged as an estimate (J) was not considered a detection.

TABLE 6-1
COMPARISON OF INDIVIDUAL VOC VS TOTAL VOC CONCENTRATIONS
TCA TANK AREA
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Wells	TCA May-08 (µg/l)	TCA Jun-09 (µg/l)	TCE May-08 (µg/l)	TCE Jun-09 (µg/l)	PCE May-08 (µg/l)	PCE Jun-09 (µg/l)	DCE** Jun-07 May-08	DCE** Jun-09 (µg/l)
CW-8	N.D.	11	360	260	25	21	120	95
MW-32S	100	90	240	190	22	N.D.	74	56
MW-32D	N.D.	N.D.	970	590	56.0	26	450	390
MW-34S	N.D.	N.D.	21	13	4.3	3.4	6.9	4.0
MW-34D	N.D.	3.6	110	170	11	21	31	48
MW-35D	N.D.	N.D.	100	150	8	7.7	58	50
MW-54	N.D.	N.D.	550	570	75	79	160	140

Wells	% TCA* Jun-09	% TCE* Jun-09	% PCE* Jun-09	% DCE* Jun-09
CW-8	N.D.	67.2	5.4	24.5
MW-32S	25.6	54.0	N.D.	15.9
MW-32D	N.D.	56.3	2.5	37.2
MW-34S	N.D.	74.7	19.5	23.0
MW-34D	N.D.	70.1	8.7	19.8
MW-35D	N.D.	44.7	2.3	14.9
MW-54	N.D.	64.1	8.9	15.7

* - Represents the percent of the total volatile organic compound concentration
** - Represents the concentration of cis-1,2-DCE
N.A. - Not Analyzed
N.D. - Not Detected above laboratory reporting limit
(µg/l) - Micrograms per liter
TCE - Trichloroethene
PCE - Tetrachloroethene
TCA - 1,1,1-Trichloroethane
DCE - 1,2-Dichloroethene
Note - Laboratory data flagged as an estimate (J) was not considered a detection.

TABLE 7-1
COMPARISON OF INDIVIDUAL VOC VS TOTAL VOC CONCENTRATIONS
WEST PARKING LOT
Former York Naval Ordnance Plant
1425 Eden Road, York PA 17402

Wells	TCA May-08 (µg/l)	TCA June/July 2009 (µg/l)	TCE May-08 (µg/l)	TCE June/July 2009 (µg/l)	PCE May-08 (µg/l)	PCE June/July 2009 (µg/l)	DCE** Jun-08 (µg/l)	DCE** June/July 2009 (µg/l)
CW-9	39	66	440	560	740	950	81	94
CW-13	N.D.	N.D	430	600	120	220	480	500
CW-15A	4,200	6,300	4,600	4,800	1,300	1,600	5,200	5,600
CW-17	15	11	210	110	63	41	89	51
MW-5	N.D.	N.D.	1.1	N.D.	N.D.	N.D.	2.2	3
MW-6	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
MW-7	96	59	1,100	750	480	270	290	300
MW-37S	12	N.D.	14	12	150	120	N.D.	11
MW-37D	390	710	980	2,300	2,600	6,400	140	240
MW-38D	N.D.	N.D.	49	56.0	2	N.D.	15	16.0
MW-39S	N.D.	N.D.	32	67.0	6	5.7	9	26.0
MW-39D	N.D.	N.D.	170	200.0	N.D.	10.0	67	68.0
MW-47	N.D.	N.D.	48	260	42	70	20	110
MW-50S	N.D.	N.D.	410	100	23	N.D.	330	110
MW-50D	N.D.	N.D.	8,200	3,800	800	590	6,700	3,600
MW-51S	N.D.	N.D.	1,400	840	1,600	950	600	460
MW-51D	N.D.	N.D.	200	21	11	2	160	15
MW-74S	N.D.	N.D.	42	52.0	5	5.8	24	27.0
MW-74D	N.D.	N.D.	85	69.0	6	5.4	23	52.0
MW-75S	N.D.	N.D.	10,000	6,600	32,000	20,000	N.D.	N.D.
MW-75D	N.D.	N.D.	620	1,200	1,500	2,900	62	N.D.
MW-93S	N.D.	N.D.	1.8	1	2.8	2	1.4	3
MW-93D	13	N.D.	250	240	200	200	25	23

Wells	% TCA* June/July 2009	% TCE* June/July 2009	% PCE* June/July 2009	% DCE* June/July 2009
CW-9	4.0	33.5	56.9	5.6
CW-13	N.D.	45.5	16.7	37.9
CW-15A	31.8	24.2	8.1	28.3
CW-17	5.2	51.6	19.2	23.9
MW-5	N.D.	N.D.	N.D.	100.0
MW-6	N.D.	N.D.	N.D.	N.D.
MW-7	4.1	52.2	18.8	20.9
MW-37S	N.D.	8.4	83.9	7.7
MW-37D	7.4	23.8	66.3	2.5
MW-38D	N.D.	77.8	N.D.	22.2
MW-39S	N.D.	67.9	5.8	26.3
MW-39D	N.D.	71.9	3.6	24.5
MW-47	N.D.	57.6	15.5	24.4
MW-50S	N.D.	47.6	N.D.	52.4
MW-50D	N.D.	45.5	7.1	43.1
MW-51S	N.D.	37.3	42.2	20.4
MW-51D	N.D.	52.2	4.7	37.3
MW-74S	N.D.	61.3	6.8	31.8
MW-74D	N.D.	54.6	4.3	41.1
MW-75S	N.D.	24.8	75.2	N.D.
MW-75D	N.D.	29.3	70.7	N.D.
MW-93S	N.D.	21.3	31.1	47.5
MW-93D	N.D.	51.8	43.2	5.0

* - Represents the percent of the total volatile organic compound concentration
** - Represents the concentration of cis-1,2-DCE
N.D. - Not Detected above method detection limit
(µg/l) - Micrograms per liter
TCE - Trichloroethene
PCE - Tetrachloroethene
TCA - 1,1,1-Trichloroethane
DCE - 1,2-Dichloroethene
Note - Laboratory data flagged as an estimate (J) was not considered a detection