INDOOR AIR/SUB-SLAB/SSD STACK SAMPLING RESULTS FOR OFFSITE RESIDENTS
SITE 1 - FORMER DRUM MARSHALING AREA
NWIRP BETHPAGE, NEW YORK

Home #	Mitigation Type	Date Collected	Sample ID	Sample Type	Event Type	TCE ($\mu g/m^3$)	PCE ($\mu g/m^3$)	TCA ($\mu g/m^3$)
1	APU	1/20/2009	BPS1-AR001-SSB	Subslab	IS	160	520	660
		1/20/2009	BPS1-AR001-SSB DUP	Subslab	IS	160	550	690
		1/20/2009	BPS1-AR001-IND	Living Space	IS	2.2	10.0	2.1
		2/24/2009	BPS1-AR001-IND2	Living Space	PUS	0.44	2.2	0.87
		6/24/2009	BPS1-AR001-INDL-01	Living Space	PUS	0.93	2.4	0.38 J
		11/19/2009	BPS1-AR001-INDL-02	Living Space	PUS	ND	0.77	ND
		11/19/2009	BPS1-AR001-INDL-02 DUP	Living Space	PUS	ND	0.72	ND
		3/4/2010	BPS1-AR001-INDL-03 *	Living Space	PUS/PSVE	ND	0.22 J	ND
2	APU/SSD	1/21/2009	BPS1-AR002-SSB	Subslab	IS	**16,000**	310	**15,000**
		6/22/2009	BPS1-AR002-ST01	SSD Stack	PSSD	**11,000**	280	5,900
		8/25/2009	BPS1-AR002-ST02	SSD Stack	PSSD	**12,000**	460	**5,300**
		8/25/2009	BPS1-AR002-ST02 DUP	SSD Stack	PSSD	**12,000**	500	**5,400**
		11/16/2009	BPS1-AR002-ST03	SSD Stack	PSSD	**9,900**	330	**3,800**
		3/1/2010	BPS1-AR002-ST04 *	SSD Stack	PSSD(3)/PSVE	11	2.4	1.7
		3/1/2010	BPS1-AR002-ST04-DUP *	SSD Stack	PSSD(3)/PSVE	12	2.4	1.9
		1/21/2009	BPS1-AR002-IND	Basement	IS	**140**	7.6	92.0
		2/24/2009	BPS1-AR002-IND3	Basement	PUS	**46**	2.1	42
		3/24/2009	BPS1-AR002-IND5	Basement	PUS	4.2	ND	11
		6/23/2009	BPS1-AR002-INDB-1	Basement	PSSD	**61**	0.96	77
		8/26/2009	BPS1-AR002-INDB-2	Basement	PSSD	**41**	1.6	4.2
		11/172009	BPS1-AR002-INDB-3	Basement	PSSD (4)	ND	ND	2.5
		11/17/2009	BPS1-AR002-INDB-3 DUP	Basement	PSSD (4)	0.24 J	0.41 J	2
		3/2/2010	BPS1-AR002-INDB-4 *	Basement	PSSD(3)/PSVE	0.20 J	ND	2.9
		2/19/2009	BPS1-AR002-IND2	Living Space	IS	**100**	4.9	73
		3/24/2009	BPS1-AR002-IND4	Living Space	PUS	3.1	0.91	4.8
		6/23/2009	BPS1-AR002-INDL-1	Living Space	PSSD	**9.2**	0.34 J	25
		8/26/2009	BPS1-AR002-INDL-2	Living Space	PSSD	**3.4**	0.41	0.87
		11/17/2009	BPS1-AR002-INDL-3**	Living Space	PSSD	2.7	ND	ND
		3/2/2010	BPS1-AR002-INDL-4 *	Living Space	PSSD(3)/PSVE	1.4	ND	1.3
3	APU/SSD	1/22/2009	BPS1-AR003-SSB	Subslab	IS	**13,000**	130	**10,000**
		8/26/2009	BPS1-AR003-SSB2	Subslab	PSSD	**260**	3.7	38
		6/22/2009	BPS1-AR003-ST01	SSD Stack	PSSD	**7,700**	92	**3,600**
		8/25/2009	BPS1-AR003-ST02	SSD Stack	PSSD	**10,000**	170	**4,200**
		11/16/2009	BPS1-AR003-ST03	SSD Stack	PSSD	**6,200**	64	**2,900**
		11/16/2009	BPS1-AR003-ST03 DUP	SSD Stack	PSSD	**5,400**	61	**2,200**
		3/2/2010	BPS1-AR003-ST04 *	SSD Stack	PSSD(3)/PSVE	3.8	0.82	0.98
		1/22/2009	BPS1-AR003-IND	Basement	IS	**180**	4.3	95
		1/22/2009	BPS1-AR003-IND DUP	Basement	IS	**180**	4.2	98
		2/26/2009	BPS1-AR003-IND3	Basement	PUS	**34**	0.75	27
		2/26/2009	BPS1-AR003-IND3 DUP	Basement	PUS	**31**	0.72	27
		3/12/2009	BPS1-AR003-IND4	Basement	PUS	**32**	0.49 J	41
		4/30/2009	BPS1-AR003-INDB	Basement	PUS	**52**	0.38 J	65
		4/30/2009	BPS1-AR003-INDB DUP	Basement	PUS	**50**	0.54	64
		6/23/2009	BPS1-AR003-INDB-01	Basement	PSSD	**79**	1.1	19
		8/26/2009	BPS1-AR003-INDB-2	Basement	PSSD	**27**	1.3	4
		11/17/2009	BPS1-AR003-INDB-3	Basement	PSSD	**5.1**	0.58	0.78
		3/3/2010	BPS1-AR003-INDB-4 *	Basement	PSSD(3)/PSVE	ND	ND	ND
		2/18/2009	BPS1-AR003-IND2	Living Space	IS	**110**	3.1	74
		3/12/2009	BPS1-AR003-IND5	Living Space	PUS	2.8	ND	5.2
		3/12/2009	BPS1-AR003-IND5 DUP	Living Space	PUS	3.0	ND	5.5
		6/23/2009	BPS1-AR003-INDL-01	Living Space	PSSD	**16**	2.40	30
		8/26/2009	BPS1-AR003-INDL-2	Living Space	PSSD	**10**	0.43	5.2
		11/17/2009	BPS1-AR003-INDL-3	Living Space	PSSD	**1.1**	ND	5
		3/3/2010	BPS1-AR003-INDL-4 *	Living Space	PSSD(3)/PSVE	0.64	ND	3.7

NOTES:
IS = Initial Sampling
PUS = Post Unit Sampling
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4	APU/SSD	1/21/2009	BPS1-AR004-SSB	Subslab	IS	**1,400**	42	**2,100**
		6/25/2009	BPS1-AR004-ST01	SSD Stack	PSSD	160	2	190
		6/25/2009	BPS1-AR004-ST01 DUP	SSD Stack	PSSD	160	1.7	180
		8/25/2009	BPS1-AR004-ST02	SSD Stack	PSSD	**360**	31	210
		11/17/2009	BPS1-AR004-ST03	SSD Stack	PSSD	**300**	17	140
		3/2/2010	BPS1-AR004-ST04 *	SSD Stack	PSSD/PSVE	1.8	1.5	0.21 J
		1/21/2009	BPS1-AR004-IND2	Basement-APT	IS	2.9	2.2	2.7
		1/21/2009	BPS1-AR004-IND	Basement	IS	**6.8**	ND	6.4
		2/26/2009	BPS1-AR004-IND4	Basement	PUS	1.2	ND	1.6
		6/26/2009	BPS1-AR004-INDB-01	Basement	PSSD	3	0.43 J	4.3
		6/26/2009	BPS1-AR004-INDB-01 DUP	Basement	PSSD	3.3	ND	4.7
		8/26/2009	BPS1-AR004-INDB-02	Basement	PSSD	1.5	ND	0.55
		11/18/2009	BPS1-AR004-INDB-03	Basement	PSSD	0.93	ND	ND
		3/3/2010	BPS1-AR004-INDB-04 *	Basement	PSSD/PSVE	0.40 J	ND	ND
		3/3/2010	BPS1-AR004-INDB-04-DUP *	Basement	PSSD/PSVE	0.38 J	ND	ND
		2/18/2009	BPS1-AR004-IND3	Living Space	IS	**6.1**	0.82 J	6.2
		3/24/2009	BPS1-AR004-IND5	Living Space	PUS	1.1	ND	1.2
6	APU/SSD	2/19/2009	BPS1-AR006-SSB	Subslab	IS	**740**	650	**1,600**
		6/24/2009	BPS1-AR006-ST01	SSD Stack	PSSD	**600**	890	490
		8/26/2009	BPS1-AR006-ST02	SSD Stack	PSSD	**720**	**1600**	550
		11/18/2009	BPS1-AR006-ST03	SSD Stack	PSSD	**520**	**1200**	320
		2/19/2009	BPS1-AR006-IND	Basement	IS	**43**	56	40
		2/26/2009	BPS1-AR006-IND3	Basement	PUS	2.1	2.4	2.4
		6/25/2009	BPS1-AR006-INDB-01	Basement	PSSD	**13**	2.7	50
		8/27/2009	BPS1-AR006-INDB-02	Basement	PSSD	**13**	6.8	2.6
		8/27/2009	BPS1-AR006-INDB-02 DUP	Basement	PSSD	**14**	7.7	2.8
		11/17/2009	BPS1-AR006-INDB-03 (1)	Basement	PSSD	ND	0.35 J	1.3
		3/4/2010	BPS1-AR006-INDB-04 * (2)	Basement	PSVE (5)	0.48 J	1.9	0.21 J
		2/19/2009	BPS1-AR006-IND2	Living Space	IS	**6.6**	8.8	8.8
		3/24/2009	BPS1-AR006-IND4	Living Space	PUS	1.2	1.6	7.0
7	APU	2/20/2009	BPS1-AR007-SSB	Subslab	IS	170	310	370
		2/20/2009	BPS1-AR007-IND	Basement	IS	0.75	3.2	1.0
		2/20/2009	BPS1-AR007-IND2	Living Space	IS	0.40	1.6	0.51
		3/25/2009	BPS1-AR007-IND3	Basement	PUS	0.2 J	0.90	0.47
		6/24/2009	BPS1-AR007-INDB-01	Basement	PUS	0.4 J	1.20	0.29 J
		11/18/2009	BPS1-AR007-INDB-02	Basement	PUS	ND	0.55 J	ND
		3/3/2010	BPS1-AR007-INDB-03 *	Basement	PUS/PSVE	ND	0.28 J	ND
9	APU	2/25/2009	BPS1-AR009-SSB	Subslab	IS	21	8.8	140
		2/25/2009	BPS1-AR009-IND	Basement	IS	0.50	0.62	1.8
		2/25/2009	BPS1-AR009-IND DUP	Basement	IS	0.41 J	0.62 J	1.5
		2/25/2009	BPS1-AR009-IND2	Living Space	IS	0.34 J	0.33 J	0.61
10	APU	2/26/2009	BPS1-AR010-SSB2	Subslab	IS	**300**	670	590
		2/25/2009	BPS1-AR010-IND	Basement	IS	2.9	16	3.9
		2/25/2009	BPS1-AR010-IND2	Living Space	IS	ND	2.1	0.58 J
		3/24/2009	BPS1-AR010-IND3	Basement	PUS	1.5	7.4	2.2
		3/24/2009	BPS1-AR010-IND3 DUP	Basement	PUS	1.2	6.60	2.2
		6/24/2009	BPS1-AR010-INDB-01	Basement	PUS	2.1	4.10	4.8
		11/17/2009	BPS1-AR010-INDB-02	Basement	PUS	0.57	2.5	0.44 J
		3/3/2010	BPS1-AR010-INDB-03 *	Basement (6)	PUS/PSVE	ND	ND	ND

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12	APU	2/26/2009	BPS1-AR012-SSB	Subslab	IS	94	19	330
		2/26/2009	BPS1-AR012-IND	Basement	IS	0.55	0.85	2.2
		2/26/2009	BPS1-AR012-IND2	Living Space	IS	ND	0.83 J	0.81 J
		3/25/2009	BPS1-AR012-IND3	Basement	PUS	0.21 J	ND	1.0
		6/24/2009	BPS1-AR012-INDB-01	Basement	PUS	0.22 J	0.72	3.0
		11/18/2009	BPS1-AR012-INDB-02	Basement	PUS	ND	0.49 J	0.69
		3/3/2010	BPS1-AR012-INDB-03 *	Basement	PUS/PSVE	ND	25 (7)	1.0
13	APU/SSD	2/26/2009	BPS1-AR013-SSB	Subslab	IS	**230**	11	420
		2/26/2009	BPS1-AR013-SSB DUP	Subslab	IS	**250**	12	440
		6/24/2009	BPS1-AR013-ST01	SSD Stack	PSSD	70	68	84
		8/25/2009	BPS1-AR013-ST02	SSD Stack	PSSD	48	8.6	58
		11/16/2009	BPS1-AR013-ST03	SSD Stack	PSSD	29	4.8	30
		3/2/2010	BPS1-AR013-ST04 *	SSD Stack	PSSD/PSVE	1.1	1.3	1.8
		2/26/2009	BPS1-AR013-IND	Basement	IS	1.5	0.56	2.3
		3/24/2009	BPS1-AR013-IND3	Basement	PUS	0.50	ND	1.2
		6/25/2009	BPS1-AR013-INDB-01	Basement	PSSD	1.9	0.28 J	0.32 J
		8/26/2009	BPS1-AR013-INDB-02	Basement	PSSD	0.67	0.43	ND
		11/17/2009	BPS1-AR013-INDB-03	Basement	PSSD	0.63	ND	ND
		3/3/2010	BPS1-AR013-INDB-04 *	Basement	PSSD/PSVE	ND	ND	ND
		2/26/2009	BPS1-AR013-IND2	Living Space	IS	ND	0.58 J	0.9 J
14	APU/SSD	3/11/2009	BPS1-AR014-SSB	Subslab	IS	**290**	15	970
		6/24/2009	BPS1-AR014-ST01	SSD Stack	PSSD	88	13	110
		8/26/2009	BPS1-AR014-ST02	SSD Stack	PSSD	30	10	43
		11/17/2009	BPS1-AR014-ST03	SSD Stack	PSSD	12	5.3	13
		3/1/2010	BPS1-AR014-ST04 *	SSD Stack	PSSD/PSVE	1	1.6	0.95
		3/11/2009	BPS1-AR014-IND	Basement	IS	1.9	0.46 J	2.6
		3/25/2009	BPS1-AR014-IND3	Basement	PUS	ND	ND	0.41 J
		11/18/2009	BPS1-AR014-INDB-1	Basement	PSSD	0.37 J	0.34 J	ND
		3/2/2010	BPS1-AR014-INDB-2 *	Basement (8)	PSSD/PSVE	ND	0.94	ND
		3/11/2009	BPS1-AR014-IND2	Living Space	IS	0.73	0.36 J	1.3
15	APU	3/11/2009	BPS1-AR015-SSB	Subslab	IS	25	38	160
		3/11/2009	BPS1-AR015-IND	Basement	IS	ND	0.62	0.66
		3/11/2009	BPS1-AR015-IND2	Living Space	IS	ND	0.3 J	ND

Bold values indicate exceedance of NYSDOH guideline values

Shaded - Unvalidated data

(1) APU removed at request of resident (November 17, 2009)
(2) SSD removed at request of resident (January 2010)
(3) SSD fan upgraded on system (after November 2009 sampling event)
(4) APU was moved to more central location in basement in September 2009
(5) Sample collected with no residential mitigation systems in place, only SVE system in operation
(6) APU was not in operation; APU was turned off on February 12, 2010 (warning lights for filter replacement)
(7) Elevated PCE may be due to residents workshop in basement or other background source in home
(8) APU was not in operation during sampling; unknown APU usage prior to sampling
* Sample collected after SVE system began operation in January 2010
** Summa cannister did not past leak test when received by the lab. Sample integrity is in question.

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