Table 1-6
Summary of Environmental Surveillance Samples and Analytical Methods

2014 BNL Groundwater Status Report

Well ID	Area	Sub Area	Decision Subunit	EPA 524.2 VOCs	EPA 625 Semi-VOCs	EPA 608 Pest/PCBs	Sulfate/Chloride/Nitrate	Metals	EPA 900 Gross Alpha/Beta	EPA 901 Gamma Spec	EPA 906 Tritium	EPA 905 Sr-90	Floating Product	Frequency (events/year)
054-61	BLIP		Upgradient								X			0
064-46	BLIP		Upgradient								X			1
064-47	BLIP		Downgradient								X			2
064-48	BLIP		Downgradient								X			2
064-49	BLIP		Downgradient								X			0
064-50	BLIP		Downgradient								X			0
064-67	BLIP		Downgradient								X			2
054-08	AGS	NSRL	Downgradient								X			1
054-191	AGS	NSRL	Downgradient								X			1
064-51	AGS	Booster Beam Stop	Downgradient								X			1
064-52	AGS	Booster Beam Stop	Downgradient								X			1
064-03	AGS	B-914	Downgradient								X			1
064-53	AGS	B-914	Downgradient								X			1
064-54	AGS	B-914	Downgradient								X			1
054-62	AGS	Bkgd. J-10 Beam Stop	Upgradient								X			1
054-63	AGS	J-10 Beam Stop	Downgradient								X			1
054-64	AGS	J-10 Beam Stop	Downgradient								X			1
054-65	AGS	g-2 Beam Stop/Plume Sou	Upgradient								X			1
054-66	AGS	g-2 Beam Stop	Downgradient								X			1
054-67	AGS	g-2 Beam Stop	Downgradient								X			1
054-68	AGS	g-2 Beam Stop	Downgradient								X			1
054-124	AGS	g-2 Beam Stop	Downgradient								X			1
054-125	AGS	g-2 Beam Stop	Downgradient								X			1
054-127	AGS	Fm. U-Line Target	Upgradient								X			1
054-128	AGS	Fm. U-Line Target	Downgradient								X			1
054-129	AGS	Fm. U-Line Target	Downgradient								X			1
054-130	AGS	Fm. U-Line Target	Downgradient								X			1
054-168	AGS	Fm. U-Line Stop	Downgradient								X			1
054-169	AGS	Fm. U-Line Stop	Downgradient								X			1
054-69	AGS	B-912	Upgradient								X			1
055-14	AGS	B-912	Upgradient								X			1
065-120	AGS	B-912	Downgradient								X			1
065-125	AGS	B-912	Downgradient								X			1
065-126	AGS	B-912	Downgradient								X			1
065-195	AGS	B-912	Downgradient								X			1
055-31	AGS	B-912	Downgradient								X			1

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055-15	AGS	B-912	Downgradient								X			1
055-16	AGS	B-912	Downgradient								X			1
065-192	AGS	B-912	Downgradient								X			1
055-29	AGS	B-912	Downgradient								X			1
055-30	AGS	B-912	Downgradient								X			1
055-32	AGS	B-912	Downgradient								X			1
065-121	AGS	B912/g-2 Tritium Plume	Downgradient								X			1
065-122	AGS	B912/g-2 Tritium Plume	Downgradient								X			1
065-193	AGS	B-912/g-2 Tritium Plume	Downgradient								X			1
065-123	AGS	B-912/g-2 Tritium Plume	Downgradient								X			1
065-124	AGS	B-912/g-2 Tritium Plume	Downgradient								X			1
065-194	AGS	B-912/g-2 Tritium Plume	Downgradient								X			1
065-321	AGS	B-912/g-2 Tritium Plume	Downgradient								X			1
065-322	AGS	B-912/g-2 Tritium Plume	Downgradient								X			1
065-323	AGS	B-912/g-2 Tritium Plume	Downgradient								X			1
065-324	AGS	B-912/g-2 Tritium Plume	Downgradient								X			1
064-55	AGS	E-20 Catcher	Downgradient								X			1
064-56	AGS	E-20 Catcher	Downgradient								X			1
064-80	AGS	E-20 Catcher	Downgradient								X			1
054-07	AGS/g-2	g-2 Tritium Plume Source	Downgradient								X			2
054-184	AGS/g-2	g-2 Tritium Plume Source	Downgradient								X			2
054-185	AGS/g-2	g-2 Tritium Plume Source	Downgradient								X			2
064-95	AGS/g-2	g-2 Tritium Plume Source	Downgradient								X			2
054-126	AGS/g-2	g-2 Tritium Plume Source	Downgradient								X			2
025-01	RHIC	B/Y Beam Stop Area	Upgradient								X			2
025-03	RHIC	B/Y Beam Stop Area	Downgradient								X			2
025-04	RHIC	B/Y Beam Stop Area	Downgradient								X			2
025-05	RHIC	B/Y Beam Stop Area	Downgradient								X			2
025-06	RHIC	B/Y Beam Stop Area	Downgradient								X			2
025-07	RHIC	B/Y Beam Stop Area	Downgradient								X			2
025-08	RHIC	B/Y Beam Stop Area	Downgradient								X			2
034-05	RHIC	B/Y Collimator Area	Downgradient								X			2
034-06	RHIC	B/Y Collimator Area	Downgradient								X			2
043-01	RHIC	B/Y Collimator Area	Downgradient								X			2
043-02	RHIC	B/Y Collimator Area	Downgradient								X			2
044-13	RHIC	B/Y Collimator Area	Downgradient								X			2

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044-14	RHIC	B/Y Collimator Area	Downgradient								X			2
044-29	RHIC	W-Line Stop	Downgradient								X			2
084-12	BMRR		Downgradient						X	X	X			0(e)
084-13	BMRR		Downgradient						X	X	X			0(e)
084-27	BMRR		Downgradient						X	X	X			0(e)
084-28	BMRR		Upgradient						X	X	X			0(e)
102-05	Motor Pool	Gasoline USTs	Downgradient	X									X	1
102-06	Motor Pool	Gasoline USTs	Downgradient	X									X	1
102-08	Motor Pool	B-326	Upgradient											(a)
102-10	Motor Pool	B-326/USTs	Downgradient	X									X	1
102-11	Motor Pool	B-326	Downgradient	X										1
102-12	Motor Pool	B-326	Downgradient	X										1
102-13	Motor Pool	B-326	Downgradient	X										1
085-17	Gas Station	Pump Island	Downgradient	X										1
085-235	Gas Station	Gasoline USTs	Downgradient	X										1
085-236	Gas Station	Gasoline USTs	Downgradient	X									X	1
085-237	Gas Station	Gasoline USTs	Downgradient	X									X	1
055-03	WMF	Bkgd.	Upgradient	X			X(b)	X(b)	X	X	X			2
055-10	WMF	Bkgd.	Upgradient	X			X(b)	X(b)	X	X	X			2
056-21	WMF	RCRA Bldg.	Downgradient											(f)
056-22	WMF	Rad. Bldg.	Downgradient											(f)
056-23	WMF	Rad. Bldg.	Downgradient											(f)
066-07	WMF	Bkgd	Upgradient											(f)
066-83	WMF	Mixed Waste Bldg.	Downgradient											(f)
066-84	WMF	Bkgd.	Upgradient											(f)
066-220	WMF	RCRA Bldg.	Downgradient	X			X(b)	X(b)	X	X	X			2
066-221	WMF	RCRA Bldg.	Downgradient	X			X(b)	X(b)	X	X	X			2
066-222	WMF	Rad. Bldg.	Downgradient	X			X(b)	X(b)	X	X	X			2
066-223	WMF	Rad. Bldg.	Downgradient	X			X(b)	X(b)	X	X	X			2
066-224	WMF	Mixed Waste Bldg.	Downgradient											0
076-16	MPF	Tank Area	Downgradient	X	X								X(d)	2
076-17	MPF	Tank Area	Downgradient	X	X								X(d)	2
076-18	MPF	Tank Area	Downgradient	X	X						X(h)		X(d)	2
076-19	MPF	Tank Area	Downgradient	X	X						X(h)		X(d)	2
076-25	MPF	Tank Area	Upgradient	X	X								X(d)	2
076-378	MPF	Tank Area	Downgradient	X	X								X(d)	2

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076-379	MPF	Tank Area	Downgradient	X	X								X(d)	2
076-380	MPF	Tank Area	Downgradient	X	X								X(d)	2
039-87	STP	Recharge Basins - Upgrad	Downgradient					X						1
039-88	STP	Holding Ponds/Recharge B	Downgradient					X						1
039-89	STP	Holding Ponds/Recharge B	Downgradient					X						1
039-90	STP	Holding Ponds	Downgradient					X						0
039-115	STP	Recharge Basins	Downgradient					X						1
048-08	STP	Recharge Basins	Downgradient					X						1
048-09	STP	Recharge Basins	Downgradient					X						1
048-10	STP	Recharge Basins	Downgradient					X						1
085-43	B452	Source Area	Downgradient											0
085-73	B452	Source Area	Downgradient	X										2
085-380	B452	Source Area	Downgradient	X										4
085-381	B452	Source Area	Downgradient	X										4
085-382	B452	Source Area	Downgradient	X										4
085-383	B452	Source Area	Downgradient	X										4
085-384	B452	Source Area	Downgradient	X										2
085-385	B452	Downgradient	Downgradient	X										4
085-386	B452	Downgradient	Downgradient	X										4
085-387	B452	Downgradient	Downgradient	X										4
085-388	B452	Downgradient	Downgradient	X										4
095-313	B452	Downgradient	Downgradient	X										4
095-314	B452	Downgradient	Downgradient	X										4
095-315	B452	Downgradient	Downgradient	X										4
076-18	NSLS-II	Linac	Upgradient								X			1(h)
076-19	NSLS-II	Linac	Upgradient								X			1(h)
086-123	NSLS-II	Linac	Downgradient								X			1
086-124	NSLS-II	Linac	Downgradient								X			1
086-125	NSLS-II	Linac	Downgradient								X			1
086-126	NSLS-II	Linac	Downgradient								X			1

Notes:
AGS = Alternating Gradient Synchrotron
BLIP = Brookhaven Linear Isotope Producer

(e) BMRR wells sampled every 2 years; next period in 2016.

(f) Well sampled only if groundwater flow directions are to the north.

(g) Well will not be routinely monitored following closure of Mixed Waste Building.

(h) Well sampled for tritium during planned MPF monitoring schedule (NSLS-II Backgroud).