

Table 3.1-1
OU I South Boundary
Summary of Strontium-90 Results From Vertical Profile Wells,
June Through July 2020

2020 BNL Groundwater Status Report

Sample Interval (bls)	Geoprobe ID:		OU1-SR-90-GP65	OU1-SR-90-GP67	OU1-SR-90-GP68	OU1-SR-90-GP69	OU1-SR-90-GP70	OU1-SR-90-GP71	OU1-SR-90-GP72	OU1-SR-90-GP73	OU1-SR-90-GP74	OU1-SR-90-GP76
	Sample Date:	Units	06/18/20	06/19/20	06/22/20	06/23/20	06/24/20	06/25/20	06/26/20	06/29/20	06/30/20	07/01/20
	Analysis:											
22'-26'	Strontium-90	pCi/L	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	1.35	<MDA
26'-30'	Strontium-90	pCi/L	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	0.703J	<MDA
30'-34'	Strontium-90	pCi/L	<MDA	<MDA	<MDA	1.68	1.63	1.57	<MDA	1.43	3.05	3.27
34'-38'	Strontium-90	pCi/L	<MDA	<MDA	1.25	4.71	6.93	26.4	5.53	3.42	4.66	8.94
38'-42'	Strontium-90	pCi/L	<MDA	4.61	1.79	2.09	8.57	62	9.14	8.02	5.79	2.54
42'-46'	Strontium-90	pCi/L	<MDA	<MDA	2.05	1.18	6.19	41	5.7	7.63	4.52	2.35
46'-50'	Strontium-90	pCi/L	<MDA	1.04	<MDA	<MDA	2.54	13	2.11	3.77	2.95	1.59
50'-54'	Strontium-90	pCi/L	<MDA	1.88	1.62	<MDA	0.81	1.51	<MDA	2.78	2.01	1.03
54'-58'	Strontium-90	pCi/L	<MDA	4.97	3.56	1.43	<MDA	1.1	<MDA	1.07	0.792J	<MDA
58'-62'	Strontium-90	pCi/L	<MDA	0.97	1.75	1.13	1.04	<MDA	<MDA	<MDA	<MDA	<MDA
62'-66'	Strontium-90	pCi/L	<MDA	<MDA	2.28	1.07	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA
66'-70'	Strontium-90	pCi/L	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	<MDA	1.65	<MDA

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Sample Interval (bls)	Geoprobe ID:		OU1-SR-90-GP42	OU1-SR-90-GP30	OU1-SR-90-GP40	OU1-SR-90-GP88	OU1-SR-90-GP89	OU1-SR-90-GP90
	Sample Date:	Units	07/02/20	07/02/20	07/02/20	07/07/20	07/08/20	07/09/20
	Analysis:							
12'-16'	Strontium-90	pCi/L	49.5		0.92			
16'-20'	Strontium-90	pCi/L	66.4	5.21	7.38			
20'-24'	Strontium-90	pCi/L	4.79	12.6	31.1			
24'-28'	Strontium-90	pCi/L	<MDA	120	689	<MDA	<MDA	<MDA
28'-32'	Strontium-90	pCi/L	<MDA	29.2	188	<MDA	<MDA	<MDA
32'-36'	Strontium-90	pCi/L	<MDA	3.55	3.19	<MDA	<MDA	1.16
36'-40'	Strontium-90	pCi/L	<MDA	<MDA	<MDA	1.28	<MDA	<MDA
40'-44'	Strontium-90	pCi/L	<MDA	<MDA	<MDA	1.84	<MDA	<MDA
44'-48'	Strontium-90	pCi/L				2.2	<MDA	<MDA
48'-52'	Strontium-90	pCi/L				1.49	2.48	<MDA
52'-56'	Strontium-90	pCi/L				3.32	5.87	2.11
56'-60'	Strontium-90	pCi/L				1.14	2.91	2.76
60'-64'	Strontium-90	pCi/L				1.18	0.963	0.901
64'-68'	Strontium-90	pCi/L				<MDA	1.61	7.37
68'-72'	Strontium-90	pCi/L				0.816	1.42	<MDA
72'-76'	Strontium-90	pCi/L				<MDA	2.09	0.946
76'-80'	Strontium-90	pCi/L				<MDA	1.03	<MDA
80'-84'	Strontium-90	pCi/L				<MDA	1.6	<MDA