

Summary of Tritium Detected in Groundwater Monitoring Wells

July-December 2016

Pilgrim Nuclear Power Station

Plymouth, Massachusetts

Sample collected week of	Reported by ¹	Tritium concentration p(Ci/L)																							
		MW-201	MW-202S	MW-202I	MW-204	MW-205	MW-206	MW-207	MW-208S	MW-208I	MW-209	MW-210	MW-211	MW-212	MW-213	MW-214	MW-215	MW-216	MW-217	MW-218	MW-219	MW-220	MW-3	MW-4R	
7/5/2016	ENTERGY/GEL	362	510			641	<265	<265			742		1340				1020	2800	317	3940	762	499		<269	
	MDPH/MERL	384	<300			374	<300	<300			608		1391				818	2918	327	3821	823	433		<300	
7/11/2016	ENTERGY/GEL						<345						1300				921	3300		3780					
	MDPH/MERL						<300						1411				955	3392		3891					
7/19/2016	ENTERGY/GEL						<310						1340				700	2200		3600					
	MDPH/MERL						<300						1335				905	2634		3928					
7/26/2016	ENTERGY/GEL						<309						1160				765	4120		3620					
	MDPH/MERL						<300						1429				1029	4674		3984					
8/3/2016	ENTERGY/GEL			<340	<340		<334		<336	<335		690	1060	815	<330	<340	940	2410		3560			<336		
	MDPH/MERL			<300	541		<300		<300	<300		597	1451	760	<300	<300	1031	2834		4031			<300		
8/9/2016	ENTERGY/GEL						<332						1160				827	2910		3390					
	MDPH/MERL						<300						1111				815	3014		3672					
8/15/2016	ENTERGY/GEL						<335						1200				860	3720		3030					
	MDPH/MERL						<300						1210				801	4404		3711					
8/22/2016	ENTERGY/GEL						<340						1050				950	3960		3190					
	MDPH/MERL						<300						995				780	4345		3737					
8/29/2016	ENTERGY/GEL						<332						1480				861	3620		3050					
	MDPH/MERL						<300						1406				1062	4359		3741					
9/6/2016	ENTERGY/GEL						<270				1010		1350				1060	5430		2970	1180				
	MDPH/MERL						<300				846		1311				1097	5756		3606	1279				
9/12/2016	ENTERGY/GEL						<305						1360				927	4170		3700					
	MDPH/MERL						<300						1397				1147	4712		4086					
9/20/2016	ENTERGY/GEL						<339						1500				900	4510		3630					
	MDPH/MERL						<300						873				530	3974		3321					
9/29/2016	ENTERGY/GEL						<350						1190				657	5080		2580					
	MDPH/MERL						<300						732				585	5820		2453					
10/4/2016	ENTERGY/GEL						<349				999		1080				848	4180		3020	1080				
	MDPH/MERL						<300				937		705				522	4156		3287	1303				
10/10/2016	ENTERGY/GEL						<348						1130				1100	4510		2510					
	MDPH/MERL						<300						1251				1066	5560		3185					
11/3/2016	ENTERGY/GEL						<350										967	2730		2230					
	MDPH/MERL						<300										828	3310		2642					
11/14/2016	ENTERGY/GEL	<317	873	345	<333	877	499	<331	<336	<337	1060	1180	1210	631	<269	<333	842	3480	<330	2430	859	450	<337	<311	
	MDPH/MERL	<300	819	<300	<300	820	328	<300	<300	<300	857	1008	1117	525	<300	<300	1192	3886	626	2709	984	425	<300	<300	

1. Sample analysis for PNPS is done by Teledyne/GEL; for MDPH by the Massachusetts Environmental Radiation Laboratory (MERL).

"<" = Results are less than the detection limit shown. MERL's lower detection limit is 300 pCi/L.

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12/7/2016	ENTERGY/GEL						547										988	3340		2660					
	MDPH/MERL						325										1032	3701		2940					
12/27/2016	ENTERGY/GEL						605										800	2240		3020					
	MDPH/MERL						519										828	2692		3608					

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