

Summary of Tritium Detected in Groundwater Monitoring Wells

July-December 2018

Pilgrim Nuclear Power Station Plymouth MA

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-4 R	
7/9/2018	ENTERGY/GEL						319										<287	1,820		1,110	20,500				
	MDPH/MERL																<300	1,731		1,128					
7/16/2018	ENTERGY/GEL											2,430									34,500				
	MDPH/MERL											2,567									31,784				
7/23/2018	ENTERGY/GEL																				33,000				
	MDPH/MERL																								
7/30/2018	ENTERGY/GEL																				40,500				
	MDPH/MERL						<300										<300	1,966		1,084	38,795				
8/6/2018	ENTERGY/GEL											2,940									11,200				
	MDPH/MERL											3,315									9,772				
8/13/2018	ENTERGY/GEL											3,260									26500				
	MDPH/MERL											3,304									25,336				
8/20/2018	ENTERGY/GEL						<299					3,420					<296	3,000		1,280	1,910				
	MDPH/MERL						<300					3,279					<300	3,009		1,031	1,163				
8/27/2018	ENTERGY/GEL											3,150									34,300				
	MDPH/MERL											3,098									31,690				
9/3/2018	ENTERGY/GEL											3,370									22,000		<332		
	MDPH/MERL											3,064									23,116		<300		
9/10/2018	ENTERGY/GEL		<303	1,430	370		<314	410	<322	<323	<300	<302	3,660	702		<327	344	2,690	728	1,170	4,290	523		<328	
	MDPH/MERL		<300	999	<300		<300	<300	<300	<300	<300	<300	3,633	463		<300	<300	2,181	<300	1,023	6,690	399		<300	
9/17/2018	ENTERGY/GEL	<305				<307							4,020		<299						25,900				
	MDPH/MERL	<300				<300							3,938		<300						24,116				
9/24/2018	ENTERGY/GEL												3,450								19,900				
	MDPH/MERL												3,375								18,016				
10/1/2018	ENTERGY/GEL						<313						3,690				441	1,810		1,340	13,300				
	MDPH/MERL						<300						3,800				430	1,845		1,095	12,296				
10/8/2018	ENTERGY/GEL												3,430								13,800				
	MDPH/MERL												3,485								14,989				
10/15/2018	ENTERGY/GEL												3,410								10,000				
	MDPH/MERL												3,019								11271				
10/22/2018	ENTERGY/GEL						<304						2,910				620	2,170		1,630	6,410				
	MDPH/MERL						<300						3,107				675	2,117		1,344	5,793				
10/29/2018	ENTERGY/GEL												2,960								722				
	MDPH/MERL												2,968								1,023				
11/5/2018	ENTERGY/GEL												2,830								1,920				
	MDPH/MERL												3,104								2,270				
11/12/2018	ENTERGY/GEL						<310						2,440				2,260	723		1,150	3,280				
	MDPH/MERL						<300						2,551				2,285	810		1,279	3,548				
11/19/2018	ENTERGY/GEL												2,100								1,960				
	MDPH/MERL												2,282								1,684				
11/26/2018	ENTERGY/GEL												1,750								603				
	MDPH/MERL												1,593								865				
12/3/2018	ENTERGY/GEL				<326		<317				445	<326	1,460				2,310	1,380		1,130	1,230		<317		
	MDPH/MERL				<300		<300				498	<300	1,508				2,904	1,091		1,150	1,151		<300		
12/10/2018	ENTERGY/GEL	<325	<321	473		<326		<326	<327	<325			1,230	<326	<326	<325			<312		3,410	<323		<317	
	MDPH/MERL	<300	<300	522		<300		<300	<300	<300			1,544	310	306	<300			409		3,444	<300		<300	
12/17/2018	ENTERGY/GEL												1,390								589				
	MDPH/MERL												1,107								738				
12/24/2018	ENTERGY/GEL						406						1,140				3,350	1,280		1,170	1,140				
	MDPH/MERL						<300						1,384				3,394	1,332		976	953				
12/31/2018	ENTERGY/GEL																								
	MDPH/MERL												962								584				

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

"<" Results are less than the detection limit shown. MERL's lower detection limit is 300 p(Ci/L).