

Summary of Tritium Detected in Groundwater Monitoring Wells

January - June 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	
1/5/2016	ENTERGY/GEL						<347				825		1790				916	3280		1880	1370				
	MDPH/MERL						<300				585		1377				809	2821		1507	1321				
1/11/2016	ENTERGY/GEL						635				860							3310		2000					
	MDPH/MERL						352				579							3113		1692					
1/18/2016	ENTERGY/GEL						742				535							2720		1640					
	MDPH/MERL						435				443							3043		1442					
1/26/2016	ENTERGY/GEL						<349				539							2140		1760					
	MDPH/MERL						<300				474							2284		1645					
2/1/2016	ENTERGY/GEL	556	<322	<323	555	500	<323	624	<313	<326	652	832	1870	688	<323	<324	900	2320	438	2090	1210	718	438	<321	
	MDPH/MERL	<300	<300	<300	314	<300	<300	<300	<300	<300	470	456	1557	322	<300	<300	620	1997	<300	1673	1028	372		<300	
2/10/2016	ENTERGY/GEL						1028				707							2890		2480					
	MDPH/MERL						715				529							2449		2213			<300		
2/15/2016	ENTERGY/GEL						365				690							1140		3210					
	MDPH/MERL						<300				496							1224		2891					
2/23/2016	ENTERGY/GEL						399				771							1270		3680					
	MDPH/MERL						<300				563							1297		3484					
2/29/2016	ENTERGY/GEL						<283				763							1470		5570					
	MDPH/MERL						<300				492							1511		5219					
3/7/2016	ENTERGY/GEL						<300				618		2050				1020	1880		5590	1140				
	MDPH/MERL						<300				577		2006				871	1746		6481	1240				
3/14/2016	ENTERGY/GEL						<281				724							1600		5840					
	MDPH/MERL						<300				747							1738		5893					
3/22/2016	ENTERGY/GEL						<325				453		1650				652	903		4280	1220				
	MDPH/MERL						<300				811		2110				626	1164		4980	1160				
3/29/2016	ENTERGY/GEL						<323				834		2050					2310		5600					
	MDPH/MERL						<300				355		1618					1769		5399					
4/4/2016	ENTERGY/GEL						<317				680		2080				1070	1600		6020	1030				
	MDPH/MERL						<300				545		1612				699	1545		5568	699				
4/11/2016	ENTERGY/GEL						<319				576		1940					1750		6070					
	MDPH/MERL						<300				612		1540					1344		5117					
4/18/2016	ENTERGY/GEL						<310				623		1870					2010		5580					
	MDPH/MERL						<300				382		1415					1746		5262					
4/25/2016	ENTERGY/GEL						<327				787		1730					1520		4060					
	MDPH/MERL						<300				359		1335					1501		4814					

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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5/3/2016	ENTERGY/GEL	432	<343	<344	<350	570	<319	396	<272	<344	637	737	1770	580	<271	<344	1260	1490	<344	4710	754	479	<344		
	MDPH/MERL	408	<300	<300	500	683	<300	<300	<300	<300	886	779	1930	731	316	<300	1138	1897	523	4056	630	131		<300	
5/10/2016	ENTERGY/GEL						<315				659		1970					1140		2670				<315	
	MDPH/MERL						<300				420		1607					1264		3194			<300		
5/17/2016	ENTERGY/GEL						<312						1580				1090	1330		3720					
	MDPH/MERL						<300						1383				667	1315		3129					
5/23/2016	ENTERGY/GEL						<284						1360				714	2330		2780					
	MDPH/MERL						<300						1302				794	1976		3335					
5/31/2016	ENTERGY/GEL						<284						1490				872	2150		3430					
	MDPH/MERL						<300						1678				972	2014		3770					
6/8/2016	ENTERGY/GEL						<306				552		1510				797	2800		3810	1210				
	MDPH/MERL						<300				773		1540				856	2633		3927	958				
6/13/2016	ENTERGY/GEL						<296						1280				589	2150		3930					
	MDPH/MERL						<300						1401				795	2711		3784					
6/20/2016	ENTERGY/GEL						<271						1570				1000	1660		3950					
	MDPH/MERL						<300						1400				797	1426		3762					
6/27/2016	ENTERGY/GEL						<266						1370				1050	2650		3280					
	MDPH/MERL						<300						1349				841	2833		3478					

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