

2018 Gaseous Effluent Data																						
Week	Date		H-3 in Air (GBq)			(GBq)		% 2016 SRBT DRL (12 hr. T.J.F. Data)				Weekly Action Levels										
	Initial	Final	HTO	HT	Total	Σ(HTO)	Σ(HTO + HT)	1 year old	10 year old	Adult Resident	Adult Worker	HTO (840 GBq)	HTO+HT (7,753 GBq)									
1	26/12/2017	02/01/2018	20.59	91.65	112.24	20.59	112.24	0.01	0.01	0.01	0.01	2%	1%									
2	02/01/2018	09/01/2018	52.68	127.47	180.15	73.27	292.39	0.03	0.03	0.03	0.03	6%	2%									
3	09/01/2018	16/01/2018	131.65	372.36	504.01	204.92	796.40	0.06	0.08	0.07	0.09	16%	7%									
4	16/01/2018	23/01/2018	141.82	562.30	704.12	346.74	1500.52	0.07	0.09	0.08	0.10	17%	9%									
5	23/01/2018	30/01/2018	114.69	241.31	356.00	461.43	1856.52	0.06	0.07	0.06	0.07	14%	5%									
6	30/01/2018	06/02/2018	77.98	2183.43	2261.41	539.41	4117.93	0.07	0.08	0.08	0.09	9%	29%									
7	06/02/2018	13/02/2018	75.83	519.49	595.32	615.24	4713.25	0.04	0.05	0.05	0.06	9%	8%									
8	13/02/2018	20/02/2018	55.82	147.02	202.84	671.06	4916.09	0.03	0.03	0.03	0.04	7%	3%									
9	20/02/2018	27/02/2018	67.77	274.24	342.01	738.83	5258.10	0.03	0.04	0.04	0.05	8%	4%									
10	27/02/2018	06/03/2018	57.99	171.96	229.95	796.82	5488.05	0.03	0.03	0.03	0.04	7%	3%									
11	06/03/2018	13/03/2018	75.37	151.89	227.26	872.19	5715.31	0.04	0.04	0.04	0.05	9%	3%									
12	13/03/2018	20/03/2018	128.83	420.51	549.34	1001.02	6264.65	0.06	0.08	0.07	0.09	15%	7%									
13	20/03/2018	27/03/2018	123.36	357.89	481.25	1124.38	6745.90	0.06	0.07	0.07	0.08	15%	6%									
14	27/03/2018	03/04/2018	107.97	231.66	339.63	1232.35	7085.53	0.05	0.06	0.06	0.07	13%	4%									
15	03/04/2018	10/04/2018	130.65	278.85	409.50	1363.00	7495.03	0.06	0.07	0.07	0.09	16%	5%									
16	10/04/2018	17/04/2018	116.54	152.63	269.17	1479.54	7764.20	0.05	0.06	0.06	0.07	14%	3%									
17	17/04/2018	24/04/2018	202.84	294.66	497.50	1682.38	8261.70	0.10	0.11	0.10	0.13	24%	6%									
18	24/04/2018	01/05/2018	215.78	238.07	453.85	1898.16	8715.55	0.10	0.12	0.11	0.14	26%	6%									
19	01/05/2018	08/05/2018	178.64	240.25	418.89	2076.80	9134.44	0.08	0.10	0.09	0.11	21%	5%									
20	08/05/2018	15/05/2018	141.05	98.05	239.10	2217.85	9373.54	0.06	0.08	0.07	0.09	17%	3%									
21	15/05/2018	22/05/2018	18.07	12.96	31.03	2235.92	9404.57	0.01	0.01	0.01	0.01	2%	0%									
22	22/05/2018	29/05/2018	239.75	258.00	497.75	2475.67	9902.32	0.11	0.13	0.12	0.15	29%	6%									
23	29/05/2018	05/06/2018	435.71	501.21	936.92	2911.38	10839.24	0.20	0.24	0.22	0.28	52%	12%									
24	05/06/2018	12/06/2018	305.48	499.49	804.97	3216.86	11644.21	0.14	0.17	0.16	0.20	36%	10%									
25	12/06/2018	19/06/2018	344.59	429.28	773.87	3561.45	12418.08	0.16	0.19	0.17	0.22	41%	10%									
26	19/06/2018	26/06/2018	316.34	444.79	761.13	3877.79	13179.21	0.15	0.18	0.16	0.20	38%	10%									
27	26/06/2018	03/07/2018	273.36	392.28	665.64	4151.15	13844.85	0.13	0.15	0.14	0.17	33%	9%									
28	03/07/2018	10/07/2018	365.70	506.24	871.94	4516.85	14716.79	0.17	0.20	0.18	0.23	44%	11%									
29	10/07/2018	17/07/2018	293.16	413.06	706.22	4810.01	15423.01	0.14	0.16	0.15	0.19	35%	9%									
30	17/07/2018	24/07/2018	275.23	427.91	703.14	5085.24	16126.15	0.13	0.15	0.14	0.18	33%	9%									
31	24/07/2018	31/07/2018	372.30	288.46	660.76	5457.54	16786.91	0.17	0.20	0.18	0.23	44%	9%									
32	31/07/2018	07/08/2018	223.20	340.77	563.97	5680.74	17350.88	0.11	0.12	0.11	0.14	27%	7%									
33	07/08/2018	14/08/2018	506.50	495.95	1002.45	6187.24	18353.33	0.23	0.28	0.25	0.32	60%	13%									
34	14/08/2018	21/08/2018	453.66	507.79	961.45	6640.90	19314.78	0.21	0.25	0.23	0.29	54%	12%									
35	21/08/2018	28/08/2018	361.06	719.90	1080.96	7001.96	20395.74	0.17	0.20	0.19	0.23	43%	14%									
36	28/08/2018	04/09/2018	267.94	900.89	1168.83	7269.90	21564.57	0.13	0.16	0.15	0.18	32%	15%									
37	04/09/2018	11/09/2018	274.45	362.73	637.18	7544.35	22201.75	0.13	0.15	0.14	0.17	33%	8%									
38	11/09/2018	18/09/2018	303.67	2127.10	2430.77	7848.02	24632.52	0.17	0.20	0.18	0.22	36%	31%									
39					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
40					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
41					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
42					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
43					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
44					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
45					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
46					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
47					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
48					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
49					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
50					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
51					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
52					0.00	7848.02	24632.52	0.00	0.00	0.00	0.00	0%	0%									
Annual Total			7848.02	16784.50	24632.52			Average % DRL														
Weekly Average			206.53	441.70	648.22			0.10	0.12	0.11	0.13											
			(Bq/a) % Release Limit				Projected Dose (uSv/a)															
% Annual Release Limit:			HTO	6.72E+13	11.68			0.99	1.18	1.07	1.34											
			HTO + HT	4.48E+14	5.50			1 year old	10 year old	Adult Resident	Adult Worker											
			Derived Weekly HTO Release/Emission Limit (GBq/week)				2.24E+05				1.88E+05		2.08E+05		1.63E+05							
			Derived Weekly HT Release/ Emission Limit (GBq/week)				6.32E+06				5.61E+06				5.54E+06				5.69E+06			