

2024 Gaseous Effluent Data													
Week	Date		H-3 in Air (GBq)			(GBq)		% 2021 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 (1,000 GBq)	HTO+HT (5,000 GBq)
1	2024-01-02	2024-01-09	131.39	223.80	355.19	131.39	355.19	0.05	0.06	0.05	0.13	16%	5%
2	2024-01-09	2024-01-16	186.18	365.18	551.36	317.57	906.55	0.07	0.08	0.07	0.18	22%	7%
3	2024-01-16	2024-01-23	93.12	287.91	381.03	410.69	1287.58	0.04	0.04	0.04	0.09	11%	5%
4	2024-01-23	2024-01-30	117.38	179.93	297.31	528.07	1584.89	0.04	0.05	0.05	0.11	14%	4%
5	2024-01-30	2024-02-06	150.78	283.87	434.65	678.85	2019.54	0.06	0.07	0.06	0.15	18%	6%
6	2024-02-06	2024-02-13	177.81	360.19	538.00	856.66	2557.54	0.07	0.08	0.07	0.17	21%	7%
7	2024-02-13	2024-02-20	129.70	119.00	248.70	986.36	2806.24	0.05	0.05	0.05	0.12	15%	3%
8	2024-02-20	2024-02-27	312.05	415.20	727.25	1298.41	3533.49	0.11	0.13	0.12	0.30	37%	9%
9	2024-02-27	2024-03-05	278.98	446.72	725.70	1577.39	4259.19	0.10	0.12	0.11	0.27	33%	9%
10	2024-03-05	2024-03-12	261.44	244.39	505.83	1838.83	4765.02	0.09	0.11	0.10	0.25	31%	7%
11	2024-03-12	2024-03-19	196.49	198.36	394.85	2035.32	5159.87	0.07	0.08	0.08	0.19	23%	5%
12	2024-03-19	2024-03-26	162.20	242.90	405.10	2197.52	5564.97	0.06	0.07	0.06	0.16	19%	5%
13	2024-03-26	2024-04-02	159.60	243.85	403.45	2357.12	5968.42	0.06	0.07	0.06	0.15	19%	5%
14	2024-04-02	2024-04-09	172.16	175.49	347.65	2529.28	6316.07	0.06	0.07	0.07	0.16	20%	4%
15	2024-04-09	2024-04-16	217.04	193.94	410.98	2746.32	6727.05	0.08	0.09	0.08	0.21	26%	5%
16	2024-04-16	2024-04-23	155.64	171.20	326.84	2901.96	7053.89	0.06	0.07	0.06	0.15	19%	4%
17	2024-04-23	2024-04-30	212.22	240.60	452.82	3114.18	7506.71	0.08	0.09	0.08	0.20	25%	6%
18	2024-04-30	2024-05-07	242.78	131.51	374.29	3356.96	7881.00	0.09	0.10	0.09	0.23	29%	5%
19	2024-05-07	2024-05-14	270.16	241.08	511.24	3627.12	8392.24	0.10	0.11	0.10	0.26	32%	7%
20	2024-05-14	2024-05-21	287.54	271.27	558.81	3914.66	8951.05	0.10	0.12	0.11	0.27	34%	7%
21	2024-05-21	2024-05-28	231.84	359.07	590.91	4146.50	9541.96	0.08	0.10	0.09	0.22	28%	8%
22	2024-05-28	2024-06-04	289.41	423.89	713.30	4435.91	10255.26	0.11	0.12	0.11	0.28	34%	9%
23	2024-06-04	2024-06-11	435.36	331.14	766.50	4871.27	11021.76	0.15	0.18	0.17	0.41	52%	10%
24	2024-06-11	2024-06-18	365.63	500.37	866.00	5236.90	11887.76	0.13	0.16	0.14	0.35	44%	11%
25	2024-06-18	2024-06-25	491.29	588.06	1079.35	5728.19	12967.11	0.18	0.21	0.19	0.47	58%	14%
26	2024-06-25	2024-07-02	223.06	523.28	746.34	5951.25	13713.45	0.08	0.10	0.09	0.22	27%	10%
27	2024-07-02	2024-07-09	232.76	344.00	576.76	6184.01	14290.21	0.09	0.10	0.09	0.22	28%	7%
28	2024-07-09	2024-07-16	294.20	349.20	643.40	6478.21	14933.61	0.11	0.13	0.11	0.28	35%	8%
29	2024-07-16	2024-07-23	368.20	501.81	870.01	6846.41	15803.62	0.13	0.16	0.14	0.35	44%	11%
30	2024-07-23	2024-07-30	428.57	336.17	764.74	7274.98	16568.36	0.15	0.18	0.16	0.41	43%	15%
31	2024-07-30	2024-08-06	217.90	169.90	387.80	7492.88	16956.16	0.08	0.09	0.08	0.21	22%	8%
32	2024-08-06	2024-08-13	292.13	293.36	585.49	7785.01	17541.65	0.10	0.12	0.11	0.28	29%	12%
33	2024-08-13	2024-08-20	366.58	360.32	726.90	8151.59	18268.55	0.13	0.15	0.14	0.35	37%	15%
34	2024-08-20	2024-08-27	308.19	331.41	639.60	8459.78	18908.15	0.11	0.13	0.12	0.29	31%	13%
35	2024-08-27	2024-09-03	222.93	166.90	389.83	8682.71	19297.98	0.08	0.09	0.08	0.21	22%	8%
36	2024-09-03	2024-09-10	242.99	379.64	622.63	8925.70	19920.61	0.09	0.10	0.10	0.24	24%	12%
37	2024-09-10	2024-09-17	446.86	729.85	1176.71	9372.56	21097.32	0.16	0.19	0.18	0.43	45%	24%
38	2024-09-17	2024-09-24	350.26	481.10	831.36	9722.82	21928.68	0.13	0.15	0.14	0.34	35%	17%
39	2024-09-24	2024-10-01	243.64	224.18	467.82	9966.46	22396.50	0.09	0.10	0.09	0.23	24%	9%
40	2024-10-01	2024-10-08	276.27	226.77	503.04	10242.73	22899.54	0.10	0.12	0.11	0.26	28%	10%
41	2024-10-08	2024-10-15	278.91	208.69	487.60	10521.64	23387.14	0.10	0.12	0.11	0.26	28%	10%
42	2024-10-15	2024-10-22	431.06	282.62	713.68	10952.70	24100.82	0.15	0.18	0.16	0.41	43%	14%
43	2024-10-22	2024-10-29	529.63	349.51	879.14	11482.33	24979.96	0.19	0.22	0.20	0.50	53%	18%
44	2024-10-29	2024-11-05	373.26	303.33	676.59	11855.59	25656.55	0.13	0.16	0.14	0.35	37%	14%
45	2024-11-05	2024-11-12	293.24	117.11	410.35	12148.83	26066.90	0.10	0.12	0.11	0.27	29%	8%
46	2024-11-12	2024-11-19	295.88	301.76	597.64	12444.71	26664.54	0.11	0.13	0.11	0.28	30%	12%
47	2024-11-19	2024-11-26	338.34	278.75	617.09	12783.05	27281.63	0.12	0.14	0.13	0.32	34%	12%
48	2024-11-26	2024-12-03	312.85	16824.84	17137.69	13095.90	44419.32	0.34	0.37	0.36	0.75	31%	343%
49	2024-12-03	2024-12-10	199.11	589.11	788.22	13295.01	45207.54	0.08	0.09	0.08	0.20	20%	16%
50	2024-12-10	2024-12-17	178.72	193.58	372.30	13473.73	45579.84	0.06	0.08	0.07	0.17	18%	7%
51	2024-12-17	2024-12-24	132.48	129.78	262.26	13606.21	45842.10	0.05	0.06	0.05	0.13	13%	5%
52	2024-12-24	2024-12-31	22.27	3.19	25.46	13628.48	45867.56	0.01	0.01	0.01	0.02	2%	1%
Annual Total			13628.48	32239.08	45867.56			Average % DRL					
Weekly Average			262.09	619.98	882.07			0.10	0.12	0.11	0.26		
			(Bq/a) % Release Limit				Projected Dose (uSv/a)						
% Annual Release Limit:			HTO	6.72E+13	20.28			0.99	1.16	1.06	2.60		
			HTO + HT	4.48E+14	10.24			1 year old	10 year old	Adult Resident	Adult Worker		
Derived Weekly HTO Release/Emission Limit (GBq/week)							2.90E+05	2.45E+05	2.71E+05	1.08E+05			
Derived Weekly HT Release/Emission Limit (GBq/week)							7.24E+06	6.83E+06	6.90E+06	3.63E+06			

*Weeks 1 - 29 use the old action levels of for weekly limits on gaseous effluent releases (840 GBq for HTO, 7753 GBq for HTO+HT)