

2024 Gaseous Effluent Data													
Week	Date		H-3 in Air (GBq)			(GBq)		% 2021 SRBT DRL (12 hr. TJF 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	272.17	304.59	576.76	6223.42	14290.21	0.10	0.12	0.10	0.26	32%	7%
28	2024-07-09	2024-07-16	307.50	335.90	643.40	6530.92	14933.61	0.11	0.13	0.12	0.29	37%	8%
29	2024-07-16	2024-07-23	488.29	381.72	870.01	7019.21	15803.62	0.17	0.20	0.19	0.46	58%	11%
30	2024-07-23	2024-07-30	428.57	336.17	764.74	7447.78	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	7665.68	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	7957.81	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	8324.39	18268.55	0.13	0.15	0.14	0.35	37%	15%
34	2024-08-20	2024-08-27			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
35	2024-08-27	2024-09-03			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
36	2024-09-03	2024-09-10			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
37	2024-09-10	2024-09-17			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
38	2024-09-17	2024-09-24			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
39	2024-09-24	2024-10-01			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
40	2024-10-01	2024-10-08			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
41	2024-10-08	2024-10-15			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
42	2024-10-15	2024-10-22			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
43	2024-10-22	2024-10-29			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
44	2024-10-29	2024-11-05			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
45	2024-11-05	2024-11-12			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
46	2024-11-12	2024-11-19			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
47	2024-11-19	2024-11-26			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
48	2024-11-26	2024-12-03			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
49	2024-12-03	2024-12-10			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
50	2024-12-10	2024-12-17			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
51	2024-12-17	2024-12-24			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
52	2024-12-24	2024-12-31			0.00	8324.39	18268.55	0.00	0.00	0.00	0.00	0%	0%
Annual Total			8324.39	9944.16	18268.55			Average % DRL					
Weekly Average			252.25	301.34	351.32			0.09	0.11	0.10	0.24		
			(Bq/a) % Release Limit			Projected Dose (uSv/a)							
% Annual Release Limit:			HTO	6.72E+13	12.39			0.91	1.07	0.97	2.42		
			HTO + HT	4.48E+14	4.08			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)