

2023 Gaseous Effluent Data															
Week	Date		H-3 in Air (GBq)			(GBq)		% 2016 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 (840 GBq)	HTO+HT (7,753 GBq)		
1	2023-01-03	2023-01-10	88.64	785.05	873.69	88.64	873.69	0.05	0.06	0.06	0.07	11%	11%		
2	2023-01-10	2023-01-17	86.12	192.70	278.82	174.76	1152.51	0.04	0.05	0.04	0.06	10%	4%		
3	2023-01-17	2023-01-24	124.10	299.42	423.52	298.86	1576.03	0.06	0.07	0.07	0.08	15%	5%		
4	2023-01-24	2023-01-31	57.52	112.40	169.92	356.38	1745.95	0.03	0.03	0.03	0.04	7%	2%		
5	2023-01-31	2023-02-07	55.82	172.65	228.47	412.20	1974.42	0.03	0.03	0.03	0.04	7%	3%		
6	2023-02-07	2023-02-14	109.87	219.06	328.93	522.07	2303.35	0.05	0.06	0.06	0.07	13%	4%		
7	2023-02-14	2023-02-21	95.57	110.99	206.56	617.64	2509.91	0.04	0.05	0.05	0.06	11%	3%		
8	2023-02-21	2023-02-28	120.85	187.62	308.47	738.49	2818.38	0.06	0.07	0.06	0.08	14%	4%		
9	2023-02-28	2023-03-07	78.95	181.26	260.21	817.44	3078.59	0.04	0.05	0.04	0.05	9%	3%		
10	2023-03-07	2023-03-14	106.32	253.74	360.06	923.76	3438.65	0.05	0.06	0.06	0.07	13%	5%		
11	2023-03-14	2023-03-21	115.53	275.33	390.86	1039.29	3829.51	0.06	0.07	0.06	0.08	14%	5%		
12	2023-03-21	2023-03-28	98.32	299.64	397.96	1137.61	4227.47	0.05	0.06	0.05	0.07	12%	5%		
13	2023-03-28	2023-04-04	63.66	106.47	170.13	1201.27	4397.60	0.03	0.04	0.03	0.04	8%	2%		
14	2023-04-04	2023-04-11	32.56	46.30	78.86	1233.83	4476.46	0.02	0.02	0.02	0.02	4%	1%		
15	2023-04-11	2023-04-18	84.33	114.93	199.26	1318.16	4675.72	0.04	0.05	0.04	0.05	10%	3%		
16	2023-04-18	2023-04-25	98.02	170.87	268.89	1416.18	4944.61	0.05	0.06	0.05	0.06	12%	3%		
17	2023-04-25	2023-05-02	116.42	209.46	325.88	1532.60	5270.49	0.06	0.07	0.06	0.08	14%	4%		
18	2023-05-02	2023-05-09	87.51	462.87	550.38	1620.11	5820.87	0.05	0.05	0.05	0.06	10%	7%		
19	2023-05-09	2023-05-16	78.02	329.96	407.98	1698.13	6228.85	0.04	0.05	0.04	0.05	9%	5%		
20	2023-05-16	2023-05-23	77.04	214.39	291.43	1775.17	6520.28	0.04	0.04	0.04	0.05	9%	4%		
21	2023-05-23	2023-05-30	87.43	470.31	557.74	1862.60	7078.02	0.05	0.05	0.05	0.06	10%	7%		
22	2023-05-30	2023-06-06	116.61	370.68	487.29	1979.21	7565.31	0.06	0.07	0.06	0.08	14%	6%		
23	2023-06-06	2023-06-13	102.62	191.17	293.79	2081.83	7859.10	0.05	0.06	0.05	0.07	12%	4%		
24	2023-06-13	2023-06-20	168.47	219.51	387.98	2250.30	8247.08	0.08	0.09	0.08	0.11	20%	5%		
25	2023-06-20	2023-06-27	144.17	187.88	332.05	2394.47	8579.13	0.07	0.08	0.07	0.09	17%	4%		
26	2023-06-27	2023-07-04	99.31	117.62	216.93	2493.78	8796.06	0.05	0.05	0.05	0.06	12%	3%		
27	2023-07-04	2023-07-11	154.14	177.83	331.97	2647.92	9128.03	0.07	0.09	0.08	0.10	18%	4%		
28	2023-07-11	2023-07-18	144.83	195.58	340.41	2792.75	9468.44	0.07	0.08	0.07	0.09	17%	4%		
29	2023-07-18	2023-07-25	96.27	128.45	224.72	2889.02	9693.16	0.05	0.05	0.05	0.06	11%	3%		
30	2023-07-25	2023-08-01	152.09	339.24	491.33	3041.11	10184.49	0.07	0.09	0.08	0.10	18%	6%		
31	2023-08-01	2023-08-08	112.57	187.55	300.12	3153.68	10484.61	0.05	0.06	0.06	0.07	13%	4%		
32	2023-08-08	2023-08-15	95.54	146.69	242.23	3249.22	10726.84	0.04	0.05	0.05	0.06	11%	3%		
33	2023-08-15	2023-08-22	116.37	152.68	269.05	3365.59	10995.89	0.05	0.06	0.06	0.07	14%	3%		
34	2023-08-22	2023-08-29	153.01	175.12	328.13	3518.60	11324.02	0.07	0.08	0.08	0.10	18%	4%		
35	2023-08-29	2023-09-05	152.07	207.30	359.37	3670.67	11683.39	0.07	0.08	0.08	0.10	18%	5%		
36	2023-09-05	2023-09-12	234.30	833.45	1067.75	3904.97	12751.14	0.12	0.14	0.13	0.16	28%	14%		
37	2023-09-12	2023-09-19	147.77	215.07	362.84	4052.74	13113.98	0.07	0.08	0.07	0.09	18%	5%		
38	2023-09-19	2023-09-26	167.42	285.10	452.52	4220.16	13566.50	0.08	0.09	0.09	0.11	20%	6%		
39	2023-09-26	2023-10-03	137.46	125.42	262.88	4357.62	13829.38	0.06	0.08	0.07	0.09	16%	3%		
40	2023-10-03	2023-10-10	164.36	143.94	308.30	4521.98	14137.68	0.08	0.09	0.08	0.10	20%	4%		
41	2023-10-10	2023-10-17	288.78	754.13	1042.91	4810.76	15180.59	0.14	0.17	0.15	0.19	34%	13%		
42	2023-10-17	2023-10-24	222.64	406.45	629.09	5033.40	15809.68	0.11	0.13	0.11	0.14	27%	8%		
43	2023-10-24	2023-10-31	224.57	437.68	662.25	5257.97	16471.93	0.11	0.13	0.12	0.15	27%	9%		
44	2023-10-31	2023-11-07	172.38	218.81	391.19	5430.35	16863.12	0.08	0.10	0.09	0.11	21%	5%		
45	2023-11-07	2023-11-14	138.61	545.44	684.05	5568.96	17547.17	0.07	0.08	0.08	0.09	17%	9%		
46	2023-11-14	2023-11-21	193.74	296.72	490.46	5762.70	18037.63	0.09	0.11	0.10	0.12	23%	6%		
47	2023-11-21	2023-11-28	178.30	445.92	624.22	5941.00	18661.85	0.09	0.10	0.09	0.12	21%	8%		
48	2023-11-28	2023-12-05	137.97	464.59	602.56	6078.97	19264.41	0.07	0.08	0.07	0.09	16%	8%		
49	2023-12-05	2023-12-12	112.42	195.72	308.14	6191.39	19572.55	0.05	0.06	0.06	0.07	13%	4%		
50	2023-12-12	2023-12-19			0.00	6191.39	19572.55	0.00	0.00	0.00	0.00	0%	0%		
51	2023-12-19	2023-12-26			0.00	6191.39	19572.55	0.00	0.00	0.00	0.00	0%	0%		
52	2023-12-26	2024-01-02			0.00	6191.39	19572.55	0.00	0.00	0.00	0.00	0%	0%		
53					0.00	6191.39	19572.55	0.00	0.00	0.00	0.00	0%	0%		
Annual Total			6191.39	13381.16	19572.55	Average % DRL									
Weekly Average			126.35	273.08	399.44					0.06	0.07	0.07	0.08		
% Annual Release Limit:			(Bq/a) % Release Limit			Projected Dose (uSv/a)									
			HTO	6.72E+13	9.21					0.61	0.72	0.66	0.82		
			HTO + HT	4.48E+14	4.37					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					