

2021 Environmental Dashboard: Peterborough (Uranium)

At BWXT Nuclear Energy Canada's (BWXT NEC) Peterborough facility, air and water emissions are measured for the presence of uranium and results show the 1160 Monaghan Road facility is a near-zero emissions plant. Airborne and liquid wastes discharged from a fuel fabrication facility like BWXT NEC are regulated by concentration limits. Action levels and our own internal limits are set at just a fraction of the Licence Release Limits, to keep public exposure to any radiation as low as possible. To learn more on how we conduct sampling, visit www.bwxt.com/bwxt-nec/environmental-monitoring or refer to our Annual Compliance Reports which can be found at www.bwxt.com/bwxt-nec/safety/our-compliance-record.

BWXT NEC has developed this dashboard to provide the public with more detail on our emissions. This document will be updated throughout the year. If you have questions about the data, please contact us at questions@bwxt.com or 1.855.696.9588.

Water				Stack (Air)			
Status: no action level exceedances				Status: no action level exceedances			
Week	Concentration (mg/L)	Licence Release Limit (mg/L)	Number of Action Level Exceedances	Week	Concentration (µg/m³)	Licence Release Limit (µg/m³)	Number of Action Level Exceedances
1		140		1	*	410	
2		140		2	0.001	410	0
3		140		3	0.000	410	0
4		140		4	0.001	410	0
5		140		5	0.000	410	0
6		140		6	0.000	410	0
7		140		7	0.000	410	0
8		140		8	0.000	410	0
9		140		9	0.003	410	0
10		140		10	0.001	410	0
11		140		11	0.001	410	0
12		140		12	0.001	410	0
13		140		13	0.001	410	0
14		140		14	0.001	410	0
15		140		15	0.000	410	0
16	0.41	140	0	16	0.001	410	0
17		140		17	0.001	410	0
18		140		18	0.000	410	0
19		140		19	0.001	410	0
20		140		20	0.001	410	0
21		140		21	0.000	410	0
22		140		22	0.001	410	0
23		140		23	0.001	410	0
24		140		24	0.001	410	0
25		140		25	0.000	410	0
26		140		26	0.001	410	0
27		140		27	0.000	410	0
28		140		28	0.001	410	0
29		140		29	0.001	410	0
30		140		30	**	410	
31		140		31	**	410	
32		140		32	0.001	410	0
33		140		33	0.003	410	0
34		140		34	0.001	410	0
35		140		35	0.002	410	0
36		140		36	0.001	410	0
37		140		37	0.002	410	0
38		140		38	0.002	410	0
39	0.04	140	0	39	0.000	410	0
40		140		40	0.000	410	0
41		140		41	0.001	410	0
42		140		42	0.001	410	0
43		140		43	0.001	410	0
44	0.04	140	0	44	0.003	410	0
45		140		45	0.001	410	0
46		140		46	0.001	410	0
47		140		47	0.001	410	0
48		140		48	0.000	410	0
49		140		49	0.000	410	0
50		140		50	0.001	410	0
51		140		51	0.001	410	0
52		140		52		410	

Notes:

- Week 1 started on January 4, 2021
- Water data is infrequent. Where no data is listed, there was no release that week.
- *Week 1 Stack (Air) data not available because the Stack was being replaced and was not running yet.
- **Week 30-31 Stack (Air) data not available because of shut down (the sample indicated in Week 32 is the sample taken during the three-week shutdown).