

1 Q. Reference: Upgrade Circuit Breakers, Volume II, Tab 13, Page 10
 2 *“There has been no major refurbishment work performed with oil circuit breakers.*
 3 *Hydro’s intention is to replace all OCBs by 2025 to ensure Hydro is compliant with*
 4 *the latest PCB regulations.”*

5 Has Hydro undertaken any inspections or testing of OCB bushings to determine if
 6 the PCB concentrations exceed the PCB regulations? If so, please provide the
 7 results. If not, why not?

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10 A. Hydro has completed testing on bushings removed from service on OCB bushings
 11 with results outlined below. As can be seen, 36 of 42 (86%) contain PCB
 12 concentrations above 50 ppm, which are required to be removed from service by
 13 2025 in accordance with the latest changes to the PCB regulations.

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Voltage Class	Unit ID	Equip	Location	PCB (ppm)
69 kV	B1L21	OCB	HBYTS	82
69 kV	B1L21	OCB	HBYTS	93
69 kV	B1L21	OCB	HBYTS	87
69 kV	B1L21	OCB	HBYTS	82
69 kV	B1L21	OCB	HBYTS	81
69 kV	B1L21	OCB	HBYTS	87
138 kV	B1L22	OCB	SPLTS	500
138 kV	B1L22	OCB	SPLTS	520
138 kV	B1L22	OCB	SPLTS	270
138 kV	B1L22	OCB	SPLTS	510
138 kV	B1L22	OCB	SPLTS	520
138 kV	B1L22	OCB	SPLTS	550
138 kV	B2L14	OCB	BBKTS	350
138 kV	B2L14	OCB	BBKTS	310
138 kV	B2L14	OCB	BBKTS	510
138 kV	B2L14	OCB	BBKTS	360
138 kV	B2L14	OCB	BBKTS	370
138 kV	B2L14	OCB	BBKTS	350
69 kV	B1L15	OCB	DLSTS	550
69 kV	B1L15	OCB	DLSTS	490

Voltage Class	Unit ID	Equip	Location	PCB (ppm)
69 kV	B1L15	OCB	DLSTS	510
69 kV	B1L15	OCB	DLSTS	410
69 kV	B1L15	OCB	DLSTS	520
69 kV	B1L15	OCB	DLSTS	350
69 kV	B13L20	OCB	BDETS	35
69 kV	B13L20	OCB	BDETS	37
69 kV	B13L20	OCB	BDETS	37
69 kV	B13L20	OCB	BDETS	34
69 kV	B13L20	OCB	BDETS	35
69 kV	B13L20	OCB	BDETS	37
69 kV	B7L38	OCB	HRDTS	210
69 kV	B7L38	OCB	HRDTS	210
69 kV	B7L38	OCB	HRDTS	210
69 kV	B7L38	OCB	HRDTS	190
69 kV	B7L38	OCB	HRDTS	220
69 kV	B7L38	OCB	HRDTS	210
69 kV	B2T2	OCB	MDRTS	89
69 kV	B2T2	OCB	MDRTS	87
69 kV	B2T2	OCB	MDRTS	94
69 kV	B2T2	OCB	MDRTS	95
69 kV	B2T2	OCB	MDRTS	88
69 kV	B2T2	OCB	MDRTS	89