Technologies for destruction and irreversible transformation [1]

Technology	POP										
	HBB	HBCD	HCB, HCBD and PeCB	PCB	PCDDs/PCDFs	PCN	PCP	Pesticides POPs	PFOS	POP-BDEs	SCCPs
(a) Alkali metal reduction	ND	ND	ND	Yes	ND	ND	ND	Yes for chlordane, HCH	ND	ND *	ND
(b) Advanced–solid waste incineration (ASWI)	ND	Yes	ND	ND	ND	ND	Yes	ND	ND	Yes	Yes
(c) Base catalyzed decomposition (BCD)	ND	ND	ND	Yes	Yes	ND	Yes	Yes	ND	ND	ND
(d) Catalytic hydrodechlorination (CHD)	ND	ND	ND	Yes	Yes	ND	ND	ND	ND	ND	ND
(e) Cement kiln co-incineration	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
(f) Gas-phase chemical reduction (GPCR)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
(g) Hazardous-waste incineration	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
(h) Plasma arc	ND	ND	ND	Yes	ND	ND	ND	Yes, for most pesticides, including chlordane, chlordecone, DDT, endosulfan, heptaclor	ND	ND	ND
(i) Plasma melting decomposition method (PMD)	ND	ND	ND	Yes	ND	ND	ND	ND	ND	ND	ND
(j) Supercritical water oxidation (SCWO) and subcritical water oxidation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
(k) Thermal and metallurgical production of metals	ND	ND	ND	ND	Yes	ND	ND	ND	ND	Yes	ND

** ND stands for "not determined" and indicates that information is not available in the literature referred to in this document to confirm the use of the technology for certain POPs.*

1 – *General technical guidelines on the environmentally sound management of wastes consisting of, containing or contaminated with persistent organic pollutants (May 01, 2019).*