

PCB disposal deadline!! (End of March, 2023)

PCB waste must be disposed of within the stated disposal period.
After the deadline, high-concentration PCB disposal is BANNED.



Ministry of the
Environment



Ministry of Economy,
Trade and Industry

Checkpoint for high concentration PCB

(1) Year manufactured; Some of transformers and condensers **manufactured in Japan between Y1953-Y1972**. contain PCB as insulation oil.

- (2) Rating plate on the equipment; Transformers, condensers etc. containing high-concentration PCB are identifiable.
(3) For details; Please contact each manufacturer or search at the Japan Electrical Manufacturers' Association website.http://www.jema-net.or.jp/Japanese/pis/pcb/pcb_hanbetsu.html

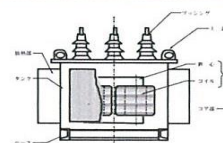
Checkpoint for low concentration PCB

(1) Tens of thousands of past tests results tell that electrical equipment manufactured domestically **by around 1990** may have PCB contamination.

- (2) Condensers with insulation oil not replacable, manufactured after 1919; No PCB contamination detected.
(3) Electrical equipment such as transformers that can maintain insulating oil, shipped even after 1994 ; No PCB contamination detected, as long as they are insulating oi replacable and confirmed no insulation oil replacement and no maintenance performed for insulation oil.

Transformer

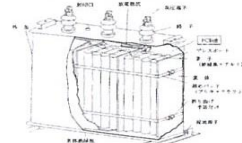
The transformer is filled with a mixture of PCB and trichlorobenzene (weight ratio 3:2). For example, at 50kVA, it contains about 115kg PCB.



Example of transformer

Condenser

The condenser is filled with PCB. For example, at 100kVA, it contains about 35kg of PCB.



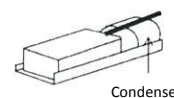
Example of high pressure

Checkpoint for ballast using PCB

Some of the ballasts for lighting fixtures (manufactured domestically from January 1957 to August 1972) use PCB. However, PCB is not used for ballasts of fluorescent lamps for households use.

Ballasts

Ballasts equipped with a built-in condenser for the fluorescent light fixture for commercial/facility facilities: There are the case that abt. 20 to 30 grams of PCB oil remain soaked in between the wrapping paper.



Example of stabilizer with built-in condenser

Regarding Ballasts

- (1) Ballasts with PCB over 40 years use; **Reported accidents of PCB leakage caused by deterioration and rupture**. Such accidents occurred even in buildings which were surveyed/confirmed no ballasts with PCB .
- (2) Recommend **full survey of all ballasts**: Because sampling survey was supposed to cause accidents.
- (3) Leaked PCB harms human bodies : Recommend to quickly check and remove old ballasts **in buildings completed or renovated by March 1977**.

Disposal of equipment containing PCB must follow Rules & Regulations.

Note 1 Failure to submit the "Abolition or planning of abolition" form regarding PCB equipment in use by the deadline; **Maximum 3 million yen fine**.

Note 2 Failure to dispose of high-concentration PCB equipment by the deadline; **3 year term imprisonment or 10 million yen fine**.

PCB disposal general consultant



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