

# Chemical Waste from Bus Operation

- Waste Disposal Ordinance, Cap.354
- Waste Disposal (Chemical Waste)(General) Regulation

Environmental Compliance Division  
EPD

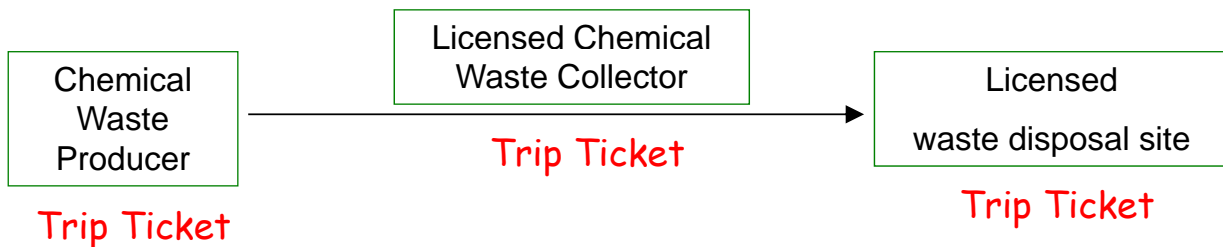


## Common Chemical Wastes produced at Bus Depots

- batteries
- oil filters
- anti-rust chemical
- solvents
- waste oil, oily sludge
- lamps containing mercury

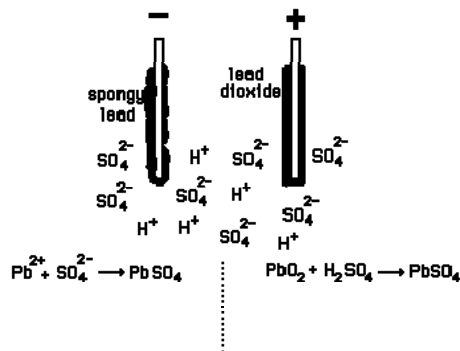
# Bus company's legal obligation

- \* Register as Chemical Waste Producer (CWP)
  - \* Bus depot = premises
- \* Fulfill responsibilities as the CWP
  - Segregate chemical waste
  - Pack
  - Label
  - Store
  - Engage the service of licensed waste collector
  - Keep Chemical Waste Trip Tickets for 12 months



## Lead acid batteries

- dilute sulphuric acid (*corrosive*)
- Lead plates (*toxic metal*)



# Spent lead acid batteries

- are chemical waste
- Segregate, pack, label as chemical waste
- Designate a chemical waste storage area
- Request service of licensed chemical waste collector
- Keep record (trip tickets) for 1 year

List of waste collectors

[http://epic.epd.gov.hk/ca/uid/waste\\_chemical/p/1](http://epic.epd.gov.hk/ca/uid/waste_chemical/p/1)

	<b>Do's</b>
1.	Know the C.O.P. <a href="http://www.epd.gov.hk/epd/english/environmentinhk/waste/guide_ref/guide_cwc_sub3t.html">http://www.epd.gov.hk/epd/english/environmentinhk/waste/guide_ref/guide_cwc_sub3t.html</a>
2.	Fulfill waste producer responsibilities.
3.	Only store waste where it is produced.
4.	Always keep the trip ticket when waste is carried away. Account for all lead acid batteries.
5.	Cooperate with EPD officers during an inspection.

	<b>Don'ts</b>
1.	Don't transport waste batteries on un-licensed vehicles
2.	Don't sell waste batteries to companies that are without EPD chemical waste collection licence.
3.	Don't treat acid if without a licence from EPD.

**WASTE DISPOSAL ORDINANCE (CAP. 354)**  
香港法例第354章廢物處置條例

**LICENCE TO COLLECT & TRANSPORT CHEMICAL WASTE**  
化學廢物收集及運送牌照


Licence No. : .....  
牌照編號

**PART A (MAIN LICENCE):**  
甲部(牌照主要部分)

Pursuant to Sections 21 and 22 of the Waste Disposal Ordinance, the Authority grants / 根據 \* this licence to  
查主管當局根據廢物處置條例第21及22條的規定, 簽發 / 減減 \* 此牌照予  
..... (hereinafter called  
持牌人), 其商業登記証號碼: ..... (以下簡稱  
the Licensee) with Business Registration Certificate Number: .....

for provision of a waste collection service to collect and transport chemical waste described in PART B subject to the terms  
按丙部或其附件內所列的條款及條件, 以提供廢物收集服務,  
and conditions described in or attached to PART C of this licence.  
收集及運送乙部所載列的化學廢物。

This licence shall be effective from ..... 6th ..... day of ..... OCT 20 10 ..... to ..... 5th ..... day of ..... OCT 20 15 .....  
此牌照的有效期間由二零.....年.....月.....日至二零.....年.....月.....日

  
(K. K. YUNG)  
For the Authority  
王愷基 代

Dated this ..... 6th ..... day of ..... OCT 20 10 .....  
二零.....年.....月.....日

**NOTE:** (a) This licence consists of three parts, respectively PART A (Main Licence), PART B (Waste Description and Operational Details) and PART C (Terms and Conditions).  
此牌照分爲三部分, 即甲部(主要部分), 乙部(廢物資料及操作安排)及丙部(條款及條件)。

(b) A Licensee who contravenes any term or condition of this licence and who is convicted of an offence under Section 27(3) of the Ordinance is liable (i) for the first offence, to a fine of \$100,000; (ii) for a second or subsequent offence, to a fine of \$200,000; and (iii) in addition, if the offence is a continuing offence to a fine of \$5,000 for each day during which it is proved to the satisfaction of the court that the offence has continued.  
持牌人如違反此牌照內載任何條款或條件, 以及獲裁定違反本條例第27條第(3)款的規定, (i) 初犯者可被判罰款\$100,000; (ii) 次犯或其後再犯, 可被判罰款\$200,000; 及(iii) 若持續違反, 則在向法庭證明該罪行是持續的, 並使法庭信納後, 按持續犯罪期間每日另處罰款\$5,000。

\* Delete as necessary.  
刪去不適用者。

EPD 114

# Chemical Waste from Bus Operation

- Comply with the law
- Emphasize a waste management system
- Manage it, measure it

## References

- ❖ A Guide to the Chemical Waste Control Scheme
- ❖ A Guide to the Registration of Chemical Waste Producers
- ❖ Code of Practice on the Packaging, Labelling and Storage of Chemical Waste



👉 **Browse the documents at EPD Website:**  
[http://www.epd.gov.hk/epd/english/environmentinhk/waste/guide\\_ref/guide\\_cwc.html](http://www.epd.gov.hk/epd/english/environmentinhk/waste/guide_ref/guide_cwc.html)

Our partnership programme

<http://www.greengarage.com.hk/cindex.html>



More at [http://www.epd.gov.hk/epd/partnership/eng/tran\\_guide1.htm](http://www.epd.gov.hk/epd/partnership/eng/tran_guide1.htm)

環保管理，駕馳順利！