

First published in the Government Gazette, www.egazette.gov.sg, on 30 May 2025.

HYDROGEN CYANIDE (FUMIGATION)
ACT 1947
(SECTION 2)

HYDROGEN CYANIDE (FUMIGATION)
REGULATIONS 1989

ARRANGEMENT OF REGULATIONS

Regulation

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Prepared and Published by

THE LAW REVISION COMMISSION UNDER THE AUTHORITY
OF THE REVISED EDITION OF THE LAWS ACT 1983

2.6.2025

Regulation

26. Fees payable to Agency
The Schedule
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[1 July 1989]

Citation

1. These Regulations are the Hydrogen Cyanide (Fumigation) Regulations 1989.

Definitions

2. In these Regulations —

“Agency” means the National Environment Agency established under the National Environment Agency Act 2002;

“authorised officer” means any person appointed by the Director-General under section 3(2) of the Environmental Public Health Act 1987 to be an authorised officer;

“Director-General” means the Director-General of Public Health appointed under section 3(1) of the Environmental Public Health Act 1987;

“fumigant” means hydrogen cyanide, methyl bromide or hydrogen phosphide;

“fumigation” means the fumigation with hydrogen cyanide, methyl bromide or hydrogen phosphide of any premises or part of the premises;

“fumigation area” means the premises or any part of the premises undergoing fumigation;

“operator” means any person designated in writing by the undertaker to be in charge of the carrying out of a fumigation and duly licensed under these Regulations;

“premises” includes any building, vehicle, ship or enclosed space;

“risk area” means —

- (a) any part of a building, vehicle, ship or any other enclosed space into which there is any reason to apprehend that the fumigant may penetrate from the fumigation area; and
- (b) in any case includes those parts of any building, vehicle, ship or other enclosed space which are less than 6 metres from the nearest boundary of any fumigation area unless separated therefrom by a yard, street, or other open space not less than 3 metres in width or by a solid wall, or 2 adjoining walls of a total thickness of not less than 50 centimetres;

“undertaker” means any person who, under contract or otherwise, undertakes the carrying out of a fumigation.

Duties of undertaker

3.—(1) It is the duty of the undertaker —

- (a) to observe the requirements of regulations 14, 16, 17 and 19;
- (b) to take such steps as may be necessary to enable the operator to carry out the requirements of regulations 15, 18, 21, 22 and 23; and
- (c) generally to exercise such supervision and take such steps as are within the undertaker’s power to secure the due observance of these Regulations by those engaged by the undertaker to carry out a fumigation.

(2) It is the duty of the operator to secure that the requirements of regulations 15, 18, 21, 22 and 23 are complied with and of all the persons employed in connection with the fumigation to cooperate with the operator for that purpose.

Fumigation by licensed undertaker and operator

4.—(1) An undertaker must not carry out a fumigation except by means of an operator duly licensed in accordance with these Regulations.

(2) The operator mentioned in paragraph (1) must be separately licensed to carry out fumigation with hydrogen cyanide, methyl bromide or hydrogen phosphide.

Application for licence

5. Every application for a licence to carry out fumigation with each fumigant must be made to the Director-General in writing in Form A set out in the Schedule, and must be accompanied by a fee of \$170.

Application for renewal of licence

6. Every application for the renewal of a licence to carry out fumigation with each fumigant must be made to the Director-General in writing in Form B set out in the Schedule, at least 2 months before the expiry of the current licence, and must be accompanied by a fee of \$170.

Licence

7. Every licence granted by the Director-General must be in Form C set out in the Schedule and must unless sooner cancelled or suspended remain in force until 31 December following the date the licence was granted.

Refusal of application

8. Where an application is refused, the fee accompanying the application must be returned to the applicant.

Suspension or cancellation of licence

9. The Director-General may, in his or her discretion, suspend for any period that he or she may think fit or cancel any licence at any time during the currency of the licence if he or she is satisfied that the holder of the licence is not a fit and proper person to hold the licence.

Inspection of licence

10. The holder of a licence must produce the licence for inspection when required to do so by the Director-General or an authorised officer.

Licence granted to fit and proper persons

11. The Director-General must not grant a licence unless he or she is satisfied that the applicant for the licence is a fit and proper person to carry out a fumigation as an operator.

Medical and other requirements

12. Every applicant must —

- (a) produce a certificate of a registered medical practitioner showing that he or she is not suffering from any infirmity to render his or her use of a fumigant for the purpose of fumigation dangerous either to himself or herself or to the public;
- (b) undergo a further medical examination before a renewal of a licence is granted or when required to do so by the Director-General;
- (c) furnish such particulars and pass such theoretical or practical test as the Director-General may require to satisfy himself or herself that the applicant is a fit and proper person to be granted a licence;
- (d) have had not less than 6 months regular experience of fumigating together with in addition 12 months regular experience of fumigating one or more of the following, namely, ships, buildings or produce and must be otherwise competent for the purpose; and
- (e) pay a fee of \$180 for the theoretical or practical test conducted under paragraph (c).

Register of licence holders

13.—(1) The Director-General must keep or cause to be kept a register in which must be entered the name, address and such other particulars as he or she considers necessary of every person to whom a licence has been granted.

(2) The holder of a licence must notify the Director-General in writing of any change of address within 7 days after the change.

Fumigation to be carried out by adequate number of staff under supervision

14.—(1) Every fumigation must be carried out by an adequate number of staff of which one member must be designated in writing by the undertaker as the operator in charge of the fumigation.

(2) The fumigation staff must in all cases include 2 persons both of whom must be adequately trained in first-aid.

Safety requirements

15. A person must not commence fumigation of any premises until —

- (a) he or she has by personal inspection ascertained that all portions of the fumigation area and the risk area have been vacated;
- (b) all fires and naked lights in the fumigation area have been extinguished;
- (c) all liquids and foods which are liable to absorb the fumigant have been removed from the fumigation area; and
- (d) all practical steps have been taken to seal all openings, cracks or crevices so as to prevent the escape of the fumigant from the fumigation area.

Notice of intention to fumigate premises and ships

16.—(1) A person intending to fumigate any premises must, at least 24 hours before commencing the fumigation, deliver a notice in Form D set out in the Schedule to the Director-General or an authorised officer with, in the case of a ship, a copy of the notice to the Port Master of the Maritime and Port Authority of Singapore.

(2) Where it is for any reason impracticable to give the 24 hours' notice as required by this regulation, the Director-General or an authorised officer may authorise a shorter period of notice.

Notice of intention to fumigate to other concerned parties

17.—(1) In addition to complying with regulation 16, every person intending to fumigate any premises must, before commencing the fumigation, deliver a written notice —

- (a) (i) in the case of a building or other enclosed space — to the occupier of the building or other enclosed space; and
- (ii) in the case of a ship — to the master or other person in charge of the ship; and
- (b) to every occupier and tenant within the fumigation area and the risk area.

(2) Such notices must be in duplicate and be in Form E set out in the Schedule, and one copy of the notice must be signed by the person receiving the notice and must be retained by the person issuing the notice.

Warning signs

18. A person fumigating any premises must —

- (a) close and securely fasten all doors or other means of access to the fumigation area and the risk area;
- (b) provide notices written in English, Malay, Chinese and Tamil containing in block letters not less than 5 centimetres in height the words “DANGER: POISON GAS: DO NOT ENTER” where they may readily be seen by any person approaching the fumigation area or the risk area; and
- (c) inform the nearest police station and the fire brigade.

Prohibited times for fumigation

19.—(1) A person must not commence fumigation of any premises on any day or time without a permit from the Director-General.

(2) The fee payable to the Director-General for each permit is \$45.

(3) The permit mentioned in paragraph (1) must be in Form F set out in the Schedule.

(4) If fumigation is not commenced within the time specified in the permit, the person intending to fumigate must serve again the notice required under regulation 16 and obtain a fresh permit.

(5) The Director-General may, in his or her discretion, refuse to grant a permit if in the interests of public health and safety the fumigation for which the permit is sought should not be carried out.

Operator to take charge of keys

20. The operator must take charge of all keys of any premises within the fumigation area and the risk area, and must be responsible for the due observance of the requirements of these Regulations.

Method of use of fumigant

21. The fumigant must not be applied in such a manner as to be absorbed in liquid form by floors, walls, ceilings or household effects nor in such quantities as to exceed the concentration permitted by the Director-General for the fumigant.

First-aid and safety equipment

22. After liberation of the fumigant has commenced and until the fumigation area and the risk area are free from danger —

- (a) any member of the fumigating staff being in any part of those areas must have in his or her possession ready for immediate use an efficient mask or other apparatus which affords complete protection to the wearer against fumigant gas, and must carry or have in his or her possession ready for immediate use an efficient electric torch; and
- (b) there must be constantly available such first-aid appliances and remedies as the Director-General may from time to time require by written notice addressed to holders of licences.

Declaration of safety

23.—(1) A person other than a member of the fumigating staff must not be permitted to enter the fumigation area after fumigation until both the fumigation area and the risk area are declared safe for re-entry by means of a written declaration in Form G set out in the Schedule served by the operator on all persons to whom the notice required by regulation 17 has been served.

(2) The declaration mentioned in paragraph (1) must not be given until —

- (a) the fumigation area has been ventilated in such a manner and for such period as is effective to secure that the area is free from danger;
- (b) it has been established by tests, other than the sense of smell that the premises are free from danger. For this purpose the operator must be equipped with test papers or other means approved by the Director-General for objectively testing the atmosphere;
- (c) all residues of the materials used for fumigation have been removed;
- (d) all water taps have been turned on for at least one minute and the water allowed to run to waste;
- (e) all water closet cisterns have been emptied and the pans adequately flushed;
- (f) all other receptacles containing water or other liquid which is liable to absorb fumigant or gas arising therefrom have been emptied; and
- (g) all bedding, blankets, pillows, clothing, cushions and other articles which are liable to absorb the fumigant or gas arising therefrom have been well shaken or beaten or aired until they are free from any dangerous concentration of fumigant or gas arising therefrom.

Operator to keep a record

24.—(1) The operator must keep a record in Form H set out in the Schedule in which the particulars prescribed in that Form must be entered.

(2) The record must be preserved in good condition and must be produced if required by the Director-General or an authorised officer at any time during the period of validity of the licence.

Accidents

25. In the event of the occurrence of any accident which results in the loss of human life or personal injury as a result of the fumigation of any premises, the operator must immediately give notice of the accident to the Director-General or an authorised officer.

Fees payable to Agency

26. All fees collected under these Regulations must be paid to the Agency.

THE SCHEDULE

FORM A

Regulation 5

HYDROGEN CYANIDE (FUMIGATION) ACT 1947

HYDROGEN CYANIDE (FUMIGATION) REGULATIONS 1989

APPLICATION FOR A LICENCE TO FUMIGATE
BY MEANS OF HYDROGEN CYANIDE, METHYL BROMIDE
OR HYDROGEN PHOSPHIDE

To:

The Director-General of Public Health,
Singapore.

I am making an application for a licence to carry out fumigation by means
of *Hydrogen Cyanide/Methyl Bromide/Hydrogen Phosphide.

Full name _____

Age _____ Business address _____

Statement of experience in fumigation _____

Statement of accidents or fatalities which have occurred during fumigation by
me or under my supervision _____

Date: _____

Signed _____

*Delete where inapplicable.

THE SCHEDULE — *continued*

FORM B

Regulation 6

HYDROGEN CYANIDE (FUMIGATION) ACT 1947

HYDROGEN CYANIDE (FUMIGATION) REGULATIONS 1989

APPLICATION FOR RENEWAL OF A LICENCE
TO CARRY OUT FUMIGATION BY MEANS OF
HYDROGEN CYANIDE, METHYL BROMIDE
OR HYDROGEN PHOSPHIDE

To:

The Director-General of Public Health,
Singapore.

I am making an application for the renewal of my Licence No. _____
dated _____ 20__ to carry out fumigation
by means of *Hydrogen Cyanide/Methyl Bromide/Hydrogen Phosphide.

Name of Licensee _____

Business address _____

Date: _____

Signed _____

*Delete where inapplicable.

THE SCHEDULE — *continued*

FORM C

Regulation 7

HYDROGEN CYANIDE (FUMIGATION) ACT 1947

HYDROGEN CYANIDE (FUMIGATION) REGULATIONS 1989

LICENCE TO FUMIGATE BY MEANS OF
HYDROGEN CYANIDE, METHYL BROMIDE
OR HYDROGEN PHOSPHIDE

This is to certify that _____
was on _____ licensed as a person competent to
carry out fumigation by means of *Hydrogen Cyanide/Methyl
Bromide/Hydrogen Phosphide.

This licence is valid until _____

(Date)

Date: _____

*Director-General of Public Health,
Singapore.*

Licence Number _____

*Delete where inapplicable.

THE SCHEDULE — *continued*

FORM D

Regulation 16(1)

HYDROGEN CYANIDE (FUMIGATION) ACT 1947
HYDROGEN CYANIDE (FUMIGATION) REGULATIONS 1989
NOTICE OF INTENTION TO FUMIGATE
BY MEANS OF HYDROGEN CYANIDE, METHYL BROMIDE
OR HYDROGEN PHOSPHIDE

To:

The Director-General of Public Health,
Singapore.

Copy to:

The Port Master,
Maritime and Port Authority of Singapore.

Please take notice that it is my intention to fumigate*

by means of †Hydrogen Cyanide/Methyl Bromide/Hydrogen Phosphide on

_____ commencing at _____ a.m/p.m.

and to ventilate the fumigant on _____

Name of Fumigator _____

Date: _____

Signed _____

(*Company's name*)

*Here state name or number and location of
building, vessel or other enclosed space intended
to be fumigated.

†Delete where inapplicable.

THE SCHEDULE — *continued*

FORM E

Regulation 17(2)

HYDROGEN CYANIDE (FUMIGATION) ACT 1947
HYDROGEN CYANIDE (FUMIGATION) REGULATIONS 1989
FUMIGATION BY MEANS OF HYDROGEN CYANIDE,
METHYL BROMIDE OR HYDROGEN PHOSPHIDE

To:

Please take notice that it is my intention to fumigate*

by means of †Hydrogen Cyanide/Methyl Bromide/Hydrogen Phosphide on
_____ commencing at _____ a.m/p.m.

Date: _____ Signed _____

You are required to acknowledge receipt of this notice by signing the duplicate.

Date: _____ Signed _____
(Occupier)

*Here state name or number and location of building, vessel or other enclosed space intended to be fumigated.

†Delete where inapplicable.

THE SCHEDULE — *continued*

FORM F

Regulation 19(3)

HYDROGEN CYANIDE (FUMIGATION) ACT 1947
HYDROGEN CYANIDE (FUMIGATION) REGULATIONS 1989
FUMIGATION PERMIT

(*Name of Fumigator*)

of _____

(*Name of registered company*)

is permitted to fumigate _____

(*Name or number and location of building,*

vessel or other enclosed space intended to be fumigated)

by means of _____

(*Type of fumigant to be used*)

on _____ commencing at _____ a.m./p.m.

(*Date*)

This Permit is not valid if fumigation is not commenced within _____
hours of the time specified above.

Date: _____

*Director-General of Public Health,
Singapore.*

THE SCHEDULE — *continued*

FORM G

Regulation 23(1)

HYDROGEN CYANIDE (FUMIGATION) ACT 1947
HYDROGEN CYANIDE (FUMIGATION) REGULATIONS 1989
DECLARATION OF SAFETY FOLLOWING FUMIGATION

To:

Please take notice that * _____

fumigated by me on _____ is now safe for re-entry.

Date: _____

Signed _____

*Here state name or number and location of building, vessel or other enclosed space which has been fumigated.

THE SCHEDULE — *continued*

FORM H

Regulation 24(1)

HYDROGEN CYANIDE (FUMIGATION) ACT 1947
HYDROGEN CYANIDE (FUMIGATION) REGULATIONS 1989
OPERATOR'S RECORD OF FUMIGATION
BY MEANS OF HYDROGEN CYANIDE, METHYL BROMIDE
OR HYDROGEN PHOSPHIDE

1. Address of premises fumigated _____
2. Time of commencing fumigation _____
Date: _____ Hour _____ a.m./p.m.
3. Notice required by regulations 16 and 17 delivered to —
 - (a) _____
Date: _____ Time _____ a.m./p.m.
How delivered _____
 - (b) Occupier of building or other enclosed space fumigated or master or other person in charge of vessel fumigated, as the case may be.
Date: _____ Time _____ a.m./p.m.
How delivered _____
 - (c) Occupiers and tenants within fumigation and risk area.
Date: _____ Time _____ a.m./p.m.
How delivered _____
4.
 - (a) Have the fumigation and risk areas been vacated?
 - (b) Have all fires and naked lights within the fumigation area been extinguished?
 - (c) Have all moist food been removed from the fumigation area before fumigation?
 - (d) Have basement and ground floor windows been securely fastened?
 - (e) Have all openings been securely sealed?
 - (f) Have warning notices been displayed?
 - (g) Are efficient masks carried by the fumigating staff?

THE SCHEDULE — *continued*

- (h) Have overalls been worn by fumigating staff?
- (i) Is an efficient electric torch carried by fumigating staff?
- 5. (a) Has operator been in attendance throughout process of fumigation?
- (b) What tests have been made to establish safety of premises following fumigation?
- (c) Have residues been safely disposed of?
- (d) Have water taps and cisterns been flushed?
- (e) Has bedding, etc., been aired until free from danger?
- 6. Declaration of safety of premises delivered to _____

on _____ at _____ a.m./p.m.

Date: _____

Signed _____

(Operator)

Time _____

COMPARATIVE TABLE
HYDROGEN CYANIDE (FUMIGATION)
REGULATIONS 1989

This subsidiary legislation has undergone renumbering in the 2025 Revised Edition. This Comparative Table is provided to help readers locate the corresponding provisions in the previous version.

2025 Ed.	1990 Ed.
13 —(1) and (2)	13
19 —(1) and (2)	19 —(1)
(3)	(2)
(4)	(3)
(5)	(4)
23 —(1) and (2)	23
24 —(1) and (2)	24