

Notification of the Ministry of Public Health

On Designation of Type or Size of Businesses, and Prescribing of Criteria, Procedures, and Conditions for the Licensee to Follow Prior to the Approval of License

B.E. 2561 (A.D. 2018)

Whereas it is deemed expedient to designate type or size of a business, and prescribe criteria, procedures, and conditions for the Licensee to Follow Prior to the Approval of License to prevent public nuisance, or to be complied by an applicant prior to approval of the license for a purpose of preventing nuisance or adverse effect on living conditions of people, community, or the environment.

By virtue of the provisions of Section 54 paragraph two of the Public Health Act, B.E. 2535 (A.D. 1992), amended by the Public Health Act (No. 3), B.E. 2560 (A.D. 2017), the Minister of Public Health by advice of the Public Health Committee hereby issues this Notification as follows:

Clause 1. This Notification shall be referred to as “Notification of the Ministry of Public Health on Designation of Type or Size of Businesses, and Prescribing of Criteria, Procedures, and Conditions for the Licensee to Follow Prior to the Approval of License, B.E. 2561 (A.D. 2018)”.

Clause 2. This Notification shall come into force after the expiration of one hundred eighty days from the date of its promulgation in the Government Gazette.

Clause 3. In this Notification,

“Business” means any business or action that requires a license issued by a local official according to Section 54 paragraph one as set forth herein by the Minister of Public Health;

“Applicant” means any person desirous to operate the business submitted for an operational license under this Notification.

Clause 4. Type or size of the business required to be operated by applicants prior to the approval of the license shall be in accordance with Attachment 1.

Clause 5. Prescribing that the license applicants under Clause 4 shall submit a license application together with supporting documents for further license approval conducted by the local government as follows:

(Translation)

(1) Form of criteria assessment and conditions for the applicant to follow prior to the approval of the license according to Attachment 2;

(2) A summary of public hearing in accordance with the Notification of the Ministry of Public Health on Criteria for Related Public Hearing.

The provision contained in paragraph one shall not be applicable to applicants under Clause 4 whose business was approved to be a place of business prior to the effective date of this Notification.

Announced on the 8th Day of November 2018

Piyasakol Sakolsatayadorn

Minister of Public Health

(Translation)

Attachment 1

Type or size of businesses required to be operated by applicants prior to approval of license

1. General waste disposal business

(1) Incineration

(2) Sanitary landfills

2. Infectious waste disposal business by means of incineration

3. Businesses under Clause 3 of the Notification of the Ministry of Public Health on Businesses Hazardous to Health, B.E. 2558 (A.D. 2015), as follows:

(1) Businesses according to 1. Domestic Animal Related Businesses

(1) Animal husbandry, animal domestication, animal raising. Only swine husbandry, domestication, and raising.

(2) Businesses according to 2. Animal and Animal Product Related Businesses

(2) Salting, tanning, drying, or collecting of animal hides, furs.

(3) Businesses according to 5. Agriculture Related Businesses

(1) Manufacturing, stocking, or packing of vegetable oil;

(2) Washing, baking, smoking or stocking of latex;

(4) milling, threshing of rice by using threshers, or packaging of rice by using any packaging methods. Only milling, threshing of rice by using threshers.

(4) Businesses according to 6. Metal or Mineral Related Businesses

(1) Manufacturing of metal or mineral utensils, accessories, apparatus, equipment or other appliances;

(2) Smelting, melting, or casting of all types of metals, except businesses that obtain a license under 6 (1);

(3) Turning, drilling, welding, hammering, cutting, rolling, or pressing of metals by using machines or gas or electricity, except businesses that obtain a license under 6 (1);

(4) Coating, plating of metals with lead, zinc, tin, chromium, nickel or other metals, except businesses that obtain a license under 6 (1);

(6) Mining, stocking, dressing, selecting, or sorting of minerals.

(5) Businesses according to 7. Vehicle, Machine, and Machinery Related Businesses

(1) Assembling, repairing, patching, painting, or undercoating of automobiles;

(3) Repairing, modifying of engines, machines, machineries, electrical systems, air conditioning system, or auto parts, machines, or machineries.

(6) Businesses according to 8. Wood and Paper Related Businesses

(Translation)

(2) Sawing, chopping, scratching, shoving, piercing, grooving, building of cornices, or cutting of wood by using machines;

(3) Manufacturing, spraying, coating with polish, or painting colors of appliances, or products made from wood, wicker, bagasse.

(7) Businesses according to 10. Weaving Businesses

(1) Spinning, winding of bobbin, and weaving of fabrics by using weaving machines or loom;

(4) Weaving of mat, sack, carpet, or other woven products by using machines;

(6) Screening of fabric or other woven products;

(8) Dying, bleaching, etching of fabrics or other woven products.

(8) Businesses according to 11. Rock, Soil, Sand, Cement, or Other Similar Items Related Businesses

(2) Quarrying, milling, grinding, or crushing of rocks by using machines;

(9) Businesses according to 12. Petroleum, Chemical Petro, Coal, Coke Coal, and Other Chemical Substances Related Businesses

(1) Manufacturing, stocking, packing or delivering of acid, alkaline salt, oxidising agents, or solvents;

(2) Manufacturing, stocking, packing or delivering of gas;

(3) Manufacturing, stocking, condensing, or hauling of petroleum or petroleum products;

(5) Spraying, except businesses obtaining a license under in 7 (1);

(6) Manufacturing of appliances or products from artificial rubber, plastic, celluloid, bakelite, or other similar items;

(9) Manufacturing, developing of photographic films or movie films;

(10) Coating, dipping of an item with plastic, celluloid, bakelite, or other similar items;

(11) Manufacturing of plastic, celluloid, bakelite, or other similar items;

(14) Manufacturing, stocking, delivering of firework, or chemical substances that are part of firework production;

(16) Manufacturing, stocking, packing, delivering of botanical pesticides.

Attachment 2

Form of criteria assessment and conditions to be aligned by applicants prior to license issuance

1. General waste disposal business

(1) Incineration

Part 1 Information of place of business conducting general waste disposal business by means of incineration

- (1) Name of Place of Business.....
- (2) Name of Owner.....
- (3) Year of Launching.....
- (4) Location No.....Village No.....Alley.....Road.....
Subdistrict.....District.....Province.....
Postal Code.....Tel.....Fax.....
- (5) Nature of Place of Business
 - Thermal general waste disposal by means of incineration.
 - Thermal general waste disposal by means of incineration together with power generation.
 -
- (6) Size of Place of Business
 - (6.1) Total Area.....rai
 - (6.2) Operational Area.....square metres
- (7) Operating Hours
 - (7.1) Department.....From.....to.....hrs. Total.....day(s)/week
 - (7.2) Department.....From.....to.....hrs. Total.....day(s)/week
 - (7.3) Department.....From.....to.....hrs. Total.....day(s)/week
- (8) Total Number of Operating Staff.....
 - (8.1) Department..... Total.....Staff (Male.....Female.....)
 - (8.2) Department..... Total..... Staff (Male.....Female.....)
 - (8.3) Department..... Total..... Staff (Male.....Female.....)
 - (8.4) Department..... Total..... Staff (Male.....Female.....)

Part 1 Information of place of business conducting general waste disposal business by means of incineration

(9) Source and Quantity of General Waste

(9.1) Source of general waste accepted for disposal.....

(9.2) Maximum quantity of waste accepted per day.....

(9.3) Predicted quantity of waste.....

(10) Information of Incineration System

Total Number of Incinerator.....

1st Incinerator

1. Type of Incinerator.....

2. Model.....

3. Manufacturer or Designer.....

.....

4. Fuel Used.....

5. Maximum Capacity Per Day.....Kilogrammes

6. Incineration Rate Per Day.....Kilogrammes

7. Exhaust Ventilation Control System

.....

.....

.....

2nd Incinerator

1. Type of Incinerator.....

2. Model.....

3. Manufacturer or Designer.....

.....

4. Fuel Used.....

5. Maximum Capacity Per Day.....Kilogrammes

6. Incineration Rate Per Day.....Kilogrammes

7. Exhaust Ventilation Control System

.....

.....

Part 1 Information of place of business conducting general waste disposal business by means of incineration

.....
(11) Types of Machines Used in the Operating Process (Apart from Incinerators)

Attached a list of machines with size/capacity/horsepower and quantity indicated.

(12) Type of raw materials or chemicals used and storage quantity

Attached a list of raw materials used and storage quantity

Attached a list of chemicals used and storage quantity

(13) Maps or aerial photographs that portray location, territory, and peripheral land usage within 1-kilometre radius of the site of general waste disposal by means of incineration.

Attached maps or aerial photographs portraying location, territory, and peripheral land usage.

(14) Operating Process Diagram with Details

Attached a diagram of the operating process with details provided.

(Translation)

Part 1 Information of place of business conducting general waste disposal business by means of incineration

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Part 2 Assessment List for the Place of Business of General Waste Disposal by Means of Incineration

No.	List of Assessment	Operations		Proof
		Yes	No	
1	Staff to monitor the place of business of general waste disposal by means of incineration			
1.1	There are at least two staff monitoring the place of business of general waste disposal by means of incineration whose qualifications meet those prescribed by the Notification of the Ministry of Public Health on Prescribing of Qualifications of General Waste Disposal Monitoring Staff, B.E. 2560 (A.D. 2017).			
2	Location and attributes			
2.1	There are studies on suitability and probability of the general waste disposal system by means of incineration.			
2.2	It is situated in a proper location with size and area suitable for the general waste incineration system.			
2.3	There is a buffer zone within the territory of general waste incineration to be used for plant growing, as road and a surface drainage track in order to reduce visual pollution due to incineration and disturbing odour.			

(Translation)

Part 2 Assessment List for the Place of Business of General Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
3	Design of general waste accepting, collecting, and storing systems			
3.1	In the case where the general waste storage is a separate building or room.			
	(1) Such separate building or room is watertight.			
	(2) Installed with a ventilation system, even floorings and walls that prevent water leakage or water flux, which are made of durable materials, easy to be cleaned, able to prevent intrusion of animal and insect vectors.			
	(3) Installed with an effluent drainage track or pipe, or an effluent treatment system to collect effluent for further management as required by laws.			
	(4) Installed with a sufficiently wide door in order to facilitate relocation of waste.			
	(5) Specify area of the general waste storage site with a clearly visible sign that reads “General Waste Container Storage” with regular maintenance and cleaning.			
3.2	In the case where the general waste storage is a waste receptacle of which the size is 2 cubic metres or larger.			
	(1) Such general waste receptacle shall be well built, durable, nonleaking, watertight, and able to prevent animal and insect vectors.			

(Translation)

Part 2 Assessment List for the Place of Business of General Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
	(2) General waste receptacles are easy to be hauled and cleaned.			
	(3) Installed with a system to control and prevent leachate from contaminating the environment.			
	(4) Able to contain waste for no less than two days.			
	(5) Provide regular cleaning, at least once per week.			
3.3	The general waste container storage is located in a location that facilitates general waste storage, collection, and hauling.			
3.4	General waste receptacles are located far from water resources used for consumption and food cooking sites as prescribed by a local official.			
3.5	Execute a measure of waste sorting for other types of waste in order to prevent them from being incinerated with general waste. For example, unused materials, or waste generated from factory operations, waste from raw materials, waste from manufacturing process, waste that is decayed products, and hazardous waste according to the Factory, Infectious Waste, and Waste that is Toxic or Hazardous to the Community Act.			

(Translation)

Part 2 Assessment List for the Place of Business of General Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
3.6	Execute a measure to track daily quantity of general waste on the day of waste disposal.			
4	Incineration system and combustion control			
4.1	The incinerator used for waste incineration must be in accordance with the required specifications of incinerators. General waste shall be burnt by the incinerator at a temperature not less than 850° C.			
4.2	Assign staff to monitor and implement combustion condition control in the combustion room. For example, temperature in the combustion room, air flow and air displacement control, quantity of air, control of incinerator's pressure, etc.			
5	A system to control air pollution emitted from the stack			
5.1	Installed with a system to control air pollution emitted from the stack of the general waste incinerator, which was designed based on acknowledged standards. Moreover, the pollution shall be controlled in order to meet the standards of air pollution emitted from incinerators in accordance with the Act on Prescribing Standards to Control Air Pollution Emission from Incinerators.			
6	Bottom ash and fly ash management			

(Translation)

Part 2 Assessment List for the Place of Business of General Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
6.1	Provide a space to collect bottom ashes which prevents impact on the environment.			
6.2	Installed with a system that regularly disposes bottom ashes by the sanitary landfill method, which prevents leachate generated by bottom ashes from contaminating earth surface and underground, or installed with a secured system to exploit bottom ashes for other purposes.			
6.3	Provide a space to collect flying ashes which prevents impact on the environment.			
6.4	Installed with a system that regularly disposes flying ashes by the secured landfill method according to corresponding laws, or installed with a secured system to exploit flying ashes for other purposes.			
7	Effluent management and drainage to public water resources			
7.1	Provide treatment for effluent coming from the disposal system and all effluent generated within the disposal site in order for it to meet standards specified in relevant laws.			
8	Rain drainage system and flood prevention			
8.1	Installed with a rain drainage system, which is isolated from the system to collect effluent or leachate.			

(Translation)

Part 2 Assessment List for the Place of Business of General Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
8.2	Execute a measure to ensure that there are no floods within the place of business.			
9	Place of business hygiene			
9.1	The canteen or kitchen provided for workers is in alignment with the food sanitation principles.			
9.2	Provide sufficient drinking water that meets the drinking water standards for workers. The drinking water area must be situated in an area that does not cause dirtiness or contamination.			
9.3	Water used in the place of business must be clean, free from contamination, and sufficient for daily use with backup water system for emergency.			
9.4	Provide sufficient bathrooms/toilets, wash basins with soap in a suitable area.			
9.5	Provide sufficient receptacles with a lid to contain waste generated within the place of business.			
9.6	Prevent animal and insect vectors appropriately and correctly based on academic principles.			
9.7	Provide ventilation that is suitable for the operations.			
9.8	Illuminance of each department must be in accordance with the Occupational Health and Safety and Work Environment Act.			

(Translation)

Part 2 Assessment List for the Place of Business of General Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
10	Safety, occupational health, and hygiene of workers			
10.1	Equipment, appliance, or machinery safety			
	(1) The standards of structure, roads, electricity work, water work, mechanical work, fire prevention are in alignment with the criteria, standards, or provision prescribed by relevant government agencies, or other acknowledged standards.			
	(2) Machines, appliances, and equipment, including switches and electric wires must be kept in an orderly, methodical, and safe manner.			
	(3) Machines, appliances, electrical appliances of which the outer surface is made of metal must be subject to ground wire installation according to the electricity standards and electrical leakage prevention system.			
	(4) Maintenance of machines, appliances, equipment, and electrical system is arranged on a regular basis within the place of business.			
10.2	Personal protection equipment			
	(1) Offer personal protective equipment for workers responsible for tasks that are subject to heat of which the temperature is higher than what prescribed by the			

(Translation)

Part 2 Assessment List for the Place of Business of General Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
	standards. Workers are required to wear heat protective clothing, shoes, and gloves.			
	(2) Offer personal protective equipment for tasks that workers are subject to direct intense light or reflection from a light source or of the sun against their eyes. Workers are required to wear light protective glasses or face shield.			
	(3) Offer personal protective equipment for workers who are required to carry out tasks in a dark, opaque, and restricted space. Workers are required to wear a helmet to which lighting equipment is installed.			
	(4) Offer personal protective equipment for tasks that are subject to an excessive volume of noise. Workers are required to wear ear plugs or earmuffs.			
	(5) Arrange maintenance plans for personal protective equipment in order to ensure that the equipment is in a safe condition.			
	(6) Workers have been trained on how to use and maintain personal protective equipment.			
	(7) Installed with boards, signs, or suggestions encouraging workers to wear proper personal protective equipment, such as masks, gloves, chemical protective glasses.			

(Translation)

Part 2 Assessment List for the Place of Business of General Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
	(8) Installed with a board or warning sign of heat generated by a thermal source which is clearly visible for workers.			
10.3	Fire prevention and control			
	(1) Offer fire exit, fire stairs, or emergency exit together with a map and clearly visible signs.			
	(2) Sufficiently installed with fire water supply and fire protection equipment that are able to extinguish primary fires at every part of the building of which the specifications are in accordance with the Safety, Occupational Health, and Work Environment Act.			
	(3) Offer a proper number of portable fire extinguishers which are installed in alignment with the type of fire. In this regard, it must be in accordance with the Safety, Occupational Health, and Work Environment Act.			
	(4) Arrange a plan for fire extinguisher training for workers, of which the criteria and procedures shall be in accordance with the Safety, Occupational Health, and Work Environment Act.			
	(5) Arrange a plan for fire protection and evacuation rehearsal.			
10.4	Provision of staff welfares and health checkup			

(Translation)

Part 2 Assessment List for the Place of Business of General Waste Disposal by Means of Incineration

No.	List of Assessment	Operations		Proof
		Yes	No	
	(1) Offer first aid medical supplies and medicines for workers in a proper and sufficient manner.			
	(2) Offer annual health checkup and training on hygiene and work safety for workers according to the criteria, procedures, and conditions prescribed by a local official.			
11	Social responsibility			
11.1	Offer a channel to accept complaints, as well as data tracking system and solutions to complaints.			
11.2	Corporate social responsibility initiatives (if any).			

Confirmation of Applicant

The information provided herein and documents annexed hereto are updated and accurate in all aspects.

Signed _____ **Applicant**

Name-Surname _____

(Blocking Letters)

Date _____

(2) Sanitary Landfills

Part 1 Information of place of business conducting general waste disposal business by means of sanitary landfills

- (1) Name of Place of Business.....
- (2) Name of Owner.....
- (3) Year of Launching.....
- (4) Location No.....Village No.....Alley.....Road.....
Subdistrict.....District.....Province.....
Postal Code.....Tel.....Fax.....
- (5) Size of Place of Business
- (5.1) Total Area.....rai
- (5.2) Operational Area.....square metres
- (6) Operating Hours
- (6.1) Department.....From.....to.....hrs. Total.....day(s)/week
- (6.2) Department.....From.....to.....hrs. Total.....day(s)/week
- (6.3) Department.....From.....to.....hrs. Total.....day(s)/week
- (7) Total Number of Operating Staff..... (Male.....Female.....)
- (7.1) Department..... Total..... Staff (Male.....Female.....)
- (7.2) Department..... Total..... Staff (Male.....Female.....)
- (7.3) Department..... Total..... Staff (Male.....Female.....)
- (7.4) Department..... Total..... Staff (Male.....Female.....)
- (8) Quantity and Type of General Waste
- (8.1) Predicted quantity of waste.....
- (8.2) Type and quantity of waste per day.....
- (8.2.1) Type.....Quantity.....kilogrammes/day
- (8.2.2) Type.....Quantity.....kilogrammes/day
- (8.2.3) Type.....Quantity.....kilogrammes/day
- (9) Engineering of general waste landfill
- (9.1) Age of general waste landfill as predicted.....years.
- (9.2) Maximum quantity of general waste accepted is.....tonnes per year.
- (9.3) Waste storage/landfill capacity per day
- (9.3.1) Total quantity loaded.....
- (9.3.2) Quantity of general waste landfill.....

Part 1 Information of place of business conducting general waste disposal business by means of sanitary landfills

(9.4) Source and type of materials placed
above.....

(9.5) Landfill leachate treatment system
.....
.....

(10) Types of machines used in the operating process

Attached a list of machines with size/capacity/horsepower and quantity indicated.

(11) Type of raw materials/chemicals used for landfills and storage quantity (if any)

Attached a list of raw materials used and storage quantity

Attached a list of chemicals used and storage quantity

(12) Maps or aerial photographs that portray location, territory, and peripheral land usage within 1-kilometre radius of the site.

Attached maps or aerial photographs portraying location, territory, and peripheral land usage.

(13) Operating Process Diagram with Details

Attached a diagram of the operating process with details provided.

(Translation)

Part 1 Information of place of business conducting general waste disposal business by means of sanitary landfills

Part 2 Assessment List for the Place of Business of Sanitary Landfills

No.	List of Assessment	Operations		Proof
		Yes	No	
1	Staff to monitor the place of business of general waste disposal by means of sanitary landfills			
1.1	There are at least two staff monitoring the place of business of general waste disposal whose qualifications meet those prescribed by the Notification of the Ministry of Public Health on Prescribing Qualifications of General Waste Disposal Monitoring Staff, B.E. 2560 (A.D. 2017).			
2	Location and attributes			
2.1	The operation shall not be carried out upon the following areas: (1) Wetland layer 1 and wetland layer 2 according to the resolution passed by the cabinet; (2) Preservation zones; (3) Wetlands of international importance and national importance as prescribed by corresponding organisations; (4) Natural resources that should be preserved; (5) Areas that have risk of landslide and flash flood as announced by the Department of Mineral Resources; (6) Prohibited areas in accordance with the Town Planning Act;			

(Translation)

Part 2 Assessment List for the Place of Business of Sanitary Landfills				
No.	List of Assessment	Operations		Proof
		Yes	No	
	<p>(7) Areas that are prohibited to construct factories upon in accordance with the Factory Act;</p> <p>(8) Areas that are prohibited to construct any building upon in accordance with the Building Control Act;</p> <p>(9) Areas that obstruct the flow of a waterway, and areas that are possible for water erosion;</p> <p>(10) Areas that develop large cracks as announced by the Department of Mineral Resources, including areas that have holes and unstable areas.</p>			
2.2	<p>Sanitary landfills shall be located in distant proximity from the following places, locations, or areas:</p> <p>(1) Not less than 5,000 metres from the runway edge;</p> <p>(2) Not less than 1,000 metres from the followings:</p> <p>(2.1) Archaeological site</p> <p>(2.2) Wetland layer 1</p> <p>(2.3) Wetland layer 2 according to the resolution passed by the cabinet</p> <p>(2.4) Preservation zones and natural resources that should be preserved</p> <p>(2.5) Community, except for the location within a proximity agreed by the community.</p>			

(Translation)

Part 2 Assessment List for the Place of Business of Sanitary Landfills				
No.	List of Assessment	Operations		Proof
		Yes	No	
	<p>(3) Not less than 700 metres from people's wells used for consumption, or water generating factories;</p> <p>(4) Not less than 100 metres from public water resources, water resources particularly used for the benefit of the kingdom, or natural water resources;</p> <p>(5) Not being a flood risk area based on the flood history within 30 years, except for the case where there is a protective system or measure provided to prevent blowing litter from the landfill site.</p>			
2.3	<p>The location must possess the following features:</p> <p>(1) Set upon one sheet of land with size that is sufficient to the waste quantity studied;</p> <p>(2) The ground of the landfill is able to be located at least 1 metre higher than the highest level of underground water. If the gap is below 1 metre, ensure that a protective measure to prevent contamination of underground water has been provided in accordance with the sanitation principles;</p> <p>(3) An area that natural soil layers or rock layers are stable enough to support weight and high volume of waste in accordance with engineering principles.</p>			

(Translation)

Part 2 Assessment List for the Place of Business of Sanitary Landfills				
No.	List of Assessment	Operations		Proof
		Yes	No	
3	Landfill system and waste sorting			
3.1	Studies have been conducted on appropriateness and possibilities prior to a construction of general waste disposal system by means of sanitary landfills.			
3.2	There is a buffer zone used for planting, transportation, and surface drainage track installation in order to decrease visual pollution caused by landfills and unpleasant odour.			
3.3	There are measures to place soil or other materials every time general waste is disposed in the landfill with placement of at least 60 centimetres of soil layer or other suitable materials.			
3.4	A system to prevent contamination from leachate in the subsurface water by compressing the bottom and all sides of the ditch, as well as grounding it with a material that is impervious to moisture.			
3.5	The system has been checked of quality before use with a plan of periodical system quality check.			
3.6	A plan to close the landfill when it is full.			
3.7	There is an installation of at least 3 ditches to assess contamination in the groundwater, including 1 reference ditch and 2 tracking ditches. All the three ditches must be aligned with the flow direction of the groundwater, and shall be in			

(Translation)

Part 2 Assessment List for the Place of Business of Sanitary Landfills				
No.	List of Assessment	Operations		Proof
		Yes	No	
	accordance with the Notification of the Ministry of Public Health on Specifications and Conditions for Prevention of Groundwater Contamination from Leachate and Report of Groundwater Assessment Result from Sanitary Landfill Sites, B.E. 2560 (A.D. 2017).			
3.8	There is an assessment plan for the groundwater beneath the landfill site by prescribing to have sampling and analysis of water obtained from tracking ditches at least twice a year, covering raining and dry seasons.			
3.9	There is a sorting measure to sort wastes that are decayed products and hazardous waste according to the Factory Act, infectious waste, and wastes that are toxic or hazardous to the community from general waste.			
3.10	There is a sorting system for other types of waste, such as unused objects, or waste according to the Factory Act, infectious waste or toxic waste in order to prevent them from being buried together with general waste.			
3.11	There is a measure to keep records of daily quantity of waste disposed.			
3.12	There is prevention of disease-carrying animals, insects, odour, noise, vibration, or any operation that may cause nuisance or			

(Translation)

Part 2 Assessment List for the Place of Business of Sanitary Landfills				
No.	List of Assessment	Operations		Proof
		Yes	No	
	effect to health of people according to relevant laws.			
4	Effluent management and drainage to public water resources			
4.1	There is a system to collect leachate from the bottom of the landfills and transfer it to the effluent treatment system which can prevent groundwater contamination.			
4.2	There are leachate pumping systems to treat and clean blockage that are sufficient to the quantity of waste disposed. Such systems must be firmly designed and constructed, and invulnerable to pressing forces of the landfill process.			
4.3	The leachate treatment system must be in alignment with the Notification of the Ministry of Public Health on Specifications and Conditions for Prevention of Groundwater Contamination from Leachate and Report of Groundwater Assessment Result from Sanitary Landfill Sites, B.E. 2560 (A.D. 2017).			
4.4	There is a plan to conduct work and maintenance tracking at least 1 time per year, including a plan to assess blockage of leachate collection pipes.			
4.5	There is a measure to assess quality of effluent before discharging it to a public place. The effluent quality must be subject			

(Translation)

Part 2 Assessment List for the Place of Business of Sanitary Landfills				
No.	List of Assessment	Operations		Proof
		Yes	No	
	to the quality standards of effluent prescribed by relevant laws.			
5	Systems for rainwater drainage and flood prevention			
5.1	There is a rainwater drainage system which is isolated from the effluent or leachate collection systems.			
5.2	There is a measure to monitor water logging around the place of business.			
6	Control of air pollution emitted from the landfill			
6.1	There is a system to collect and ventilate gas from the landfill, and a system to incinerate gas or optimise gas for further use as fuel or for other purposes.			
6.2	There is a system to assess and control gas emission from the landfill in order to prevent fire incidents and disturbing odour.			
7	Place of business hygiene			
7.1	The canteen or kitchen provided for workers is in alignment with the food sanitation principles.			
7.2	Provide sufficient drinking water that meets the drinking water standards for workers. The drinking water area must be situated in an area that does not cause dirtiness or contamination.			
7.3	Water used in the place of business must be clean, free from contamination, and			

(Translation)

Part 2 Assessment List for the Place of Business of Sanitary Landfills				
No.	List of Assessment	Operations		Proof
		Yes	No	
	sufficient for daily use with backup water system for emergency.			
7.4	Provide sufficient bathrooms/toilets, wash basins with soap in a suitable area.			
7.5	Provide sufficient receptacles with a lid to contain waste generated within the place of business.			
7.6	Prevent animal and insect vectors appropriately and correctly based on academic principles.			
7.7	Provide a ventilation system that is suitable for the operations.			
7.8	Illuminance of each department must be in accordance with Occupational Health and Safety and Work Environment Act.			
8	Safety, occupational health, and hygiene of workers			
8.1	There is a plan to organise training regarding work safety and sanitation for workers.			
8.2	There is personal protective equipment that meets standards and is suitable for the nature of work provided.			
8.3	There is a health checkup plan for newcomers and an annual health checkup plan according to the criteria and procedures prescribed by the locality.			
8.4	There is a measure for safety concerns in regard to fire prevention and control in accordance with relevant laws.			

(Translation)

Part 2 Assessment List for the Place of Business of Sanitary Landfills				
No.	List of Assessment	Operations		Proof
		Yes	No	
8.5	There is first aid equipment provided which is ready to be used at all times, including a transfer system of patients in case of emergency.			
9.	Safety of machines, appliances and equipment			
9.1	The standards of structure, roads, electricity work, water work, mechanical work, fire prevention are in alignment with the criteria, standards, or provision prescribed by relevant government agencies, or other acknowledged standards.			
9.2	Machines, appliances, and equipment, including switches and electric wires must be kept in an orderly, methodical, and safe manner.			
9.3	Machines, appliances, electrical appliances of which the outer surface is made of metal must be subject to ground wire installation according to the electricity standards and electrical leakage prevention system.			
9.4	Prescribe a measure to assess safety and maintenance of machines, appliances, equipment, electrical system within the place of business on a regular basis.			
10	Social responsibility			
10.1	Offer a channel to accept complaints, as well as data tracking system and solutions to complaints.			

(Translation)

Part 2 Assessment List for the Place of Business of Sanitary Landfills				
No.	List of Assessment	Operations		Proof
		Yes	No	
10.2	Corporate social responsibility initiatives (if any).			

Confirmation of Applicant <input type="checkbox"/> The information provided herein and documents annexed hereto are updated and accurate in all aspects.	Signed _____ Applicant Name-Surname _____ (Blocking Letters) Date _____
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2. Infectious waste disposal business by means of incineration

Part 1 Information of place of business conducting infectious waste disposal business by means of incineration

(1) Name of Place of Business.....

(2) Name of Owner.....

(3) Year of Launching.....

(4) Location No.....Village No.....Alley.....Road.....
Subdistrict.....District.....Province.....
Postal Code.....Tel.....Fax.....

(5) Size of Place of Business
(5.1) Total Area.....rai
(5.2) Operational Area.....square metres

(6) Total Number of Operating Staff.....(Male.....Female.....)
(6.1) Department..... Total.....Staff (Male.....Female.....)
(6.2) Department..... Total..... Staff (Male.....Female.....)
(6.3) Department.....Total..... Staff (Male.....Female.....)
(6.4) Department.....Total..... Staff (Male.....Female.....)

(7) Operating Hours
(7.1) Department.....From.....to.....hrs. Total.....day(s)/week
(7.2) Department.....From.....to.....hrs. Total.....day(s)/week
(7.3) Department.....From.....to.....hrs. Total.....day(s)/week
(7.4) Department.....From.....to.....hrs. Total.....day(s)/week

(8) Quantity of infectious waste accepted.....kilogrammes/day

(9) Quantity of infectious waste disposed.....kilogrammes/day

(10) Storing capacity of infectious waste storage.....day (.....kilogrammes in total)

(11) Information of Incineration System
(11.1) Total Number of Incinerator.....
(11.2) Particulars of infectious waste incinerator

1st Incinerator

1. Type of Incinerator.....
2. Model.....
3. Manufacturer or Designer.....
.....

(Translation)

4. Fuel Used.....
5. Maximum Capacity Per Day.....Kilogrammes
6. Incineration Rate Per Day.....Kilogrammes
7. Chamber temperature
 - Waste incinerating chamber.....° C
 - Smoke incinerating chamber.....° C
8. Exhaust Ventilation Control System
.....
.....
.....

2nd Incinerator

1. Type of Incinerator.....
2. Model.....
3. Manufacturer or Designer.....
.....
4. Fuel Used.....
5. Maximum Capacity Per Day.....Kilogrammes
6. Incineration Rate Per Day.....Kilogrammes
7. Chamber temperature
 - Waste incinerating chamber.....° C
 - Smoke incinerating chamber.....° C
8. Exhaust Ventilation Control System
.....
.....
.....

(12) Types of Machines Used in the Operating Process (Apart from Incinerators)

- Attached a list of machines with size/capacity/horsepower and quantity

indicated.

(13) Type of raw materials or chemicals used and storage quantity

- Attached a list of raw materials used and storage quantity

- Attached a list of chemicals used and storage quantity

(Translation)

(14) Maps or aerial photographs that portray location, territory, and peripheral land usage within 1-kilometre radius of the site of general waste disposal by means of incineration.

Attached maps or aerial photographs portraying location, territory, and peripheral land usage.

(15) Operating Process Diagram with Details

Attached a diagram of the operating process with details provided.

(Translation)

Part 2 Assessment List for the Place of Business of Infectious Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
1	Staff to monitor infectious waste disposal			
1.1	Appointment of staff who possess a bachelor's degree in science or engineering in order to be responsible for the infectious waste collection, hauling, and disposal system.			
1.2	Staff responsible for infectious waste relocation and disposal have undergone training on prevention and control of transmission or potential detriment caused by infectious waste according to notifications of the Ministry of Public Health.			
2	Location and attributes			
2.1	The location is appropriate with land and area size that are sufficient for operations and further extension.			
2.2	There is a buffer zone within the territory of place of business with plants grown at the fence as deemed appropriate in order to prevent visual pollution, excessive noise, disturbing ordour, etc.			
3	Infectious waste accepting and storing system			
3.1	Waste storage location must be a particular room or building isolated from other buildings and located in a location that is convenient for waste hauling.			
3.2	The waste storage has even flooring and walls which are easy to be cleaned.			

(Translation)

Part 2 Assessment List for the Place of Business of Infectious Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
3.3	The waste storage has an area that is sufficient to accommodate infectious waste for at least 2 days (in case of exceeding 7 days, the temperature must not exceed 10°C).			
3.4	Arrange to prevent intrusion of animals and insects into the infectious waste storage.			
3.5	Prevent third parties from entering the storage area.			
3.6	Provide effluent drainage tracks or pipes that connect to the effluent treatment system.			
3.7	Indicate area of the general waste storage site with a clearly visible warning sign that reads “Infectious Waste Storage” in front of the room or the building.			
3.8	Carts or vehicles used for hauling infectious waste to the incineration must have an opaque base and sides, which are made from a materials that can be easily cleaned by water, with a lid to prevent animal and insect vectors. Moreover, there must be texts written in red that read “Carts for Infectious Waste. Do not Use for Other Purposes”.			
3.9	Schedule fixed time and route for infectious waste hauling.			

(Translation)

Part 2 Assessment List for the Place of Business of Infectious Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
3.10	Allocate a specific area for infectious waste cart cleaning. Effluent generated from the wash must be drained into the effluent treatment system.			
4	Incineration and combustion control system			
4.1	Incinerate infectious waste within the duration prescribed by the local administrative office, but not exceeding 30 days from the day it is hauled from its origin.			
4.2	The incinerator is designed to have a chamber for infectious waste incineration by incinerating it at a temperature that is not less than 760° C.			
4.3	The incinerator is designed to have a chamber for smoke incineration by incinerating it at a temperature that is not less than 1,000° C.			
4.4	Requires having combustion control records, such as controlling of temperature, pressure, air quantity, etc.			
5	A system to control air pollution emitted by the incinerator			
5.1	Offer an air pollution treatment system which is suitable and effectively practical.			
5.2	Prescribe to have standard control for exhaust emitted from incinerators in order for it to be in line with the control standards of exhaust emitted from infectious waste incinerators.			

(Translation)

Part 2 Assessment List for the Place of Business of Infectious Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
6	Management of ash residue after infectious waste incineration			
6.1	The ash residue from infectious waste incineration shall be disposed by means of general waste disposal, such as sanitary landfill.			
7	Effluent management and drainage of effluent to public water resources			
7.1	Provide an effective effluent treatment system.			
7.2	Provide a system to collect leachate in order to transfer it to the effluent treatment system.			
7.3	Offer a plan to track and assess work operations and maintenance, as well as a plan to assess blockage of leachate collection pipes.			
8	Rainwater drainage system and flood prevention			
8.1	Offer a rainwater drainage system which is isolated from the effluent or leachate collection system.			
8.2	Offer a monitoring measure to ensure that there is no waterlogging around the place of business.			
9	Place of business hygiene			
9.1	The canteen or kitchen provided for workers is in alignment with the food sanitation principles.			
9.2	Provide sufficient drinking water that meets the drinking water standards for workers. The drinking water area must be			

(Translation)

Part 2 Assessment List for the Place of Business of Infectious Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
	situated in an area that does not cause dirtiness or contamination.			
9.3	Water used in the place of business must be clean, free from contamination, and sufficient for daily use with backup water system for emergency.			
9.4	Provide sufficient bathrooms/toilets, wash basins with soap in a suitable area.			
9.5	Provide sufficient receptacles with a lid for waste generated within the place of business.			
9.6	Prevent animal and insect vectors appropriately and correctly based on academic principles.			
9.7	Provide suitable work environment, ventilation, illuminance, noise, heat.			
10	Safety, occupational health, and hygiene of workers			
10.1	Equipment, appliance, or machinery safety			
	(1) The standards of structure, roads, electricity work, water work, mechanical work, fire prevention are in alignment with the criteria, standards, or provision prescribed by relevant government agencies, or other acknowledged standards.			
	(2) Machines, appliances, and equipment, including switches and electric wires must be kept in an orderly, methodical, and safe manner.			

(Translation)

Part 2 Assessment List for the Place of Business of Infectious Waste Disposal by Means of Incineration				
No.	List of Assessment	Operations		Proof
		Yes	No	
	(3) Machines, appliances, electrical appliances of which the outer surface is made of metal must be subject to ground wire installation according to the electricity standards and electrical leakage prevention system.			
	(4) Maintenance of machines, appliances, equipment, and electrical system is arranged on a regular basis within the place of business.			
10.2	Personal protection equipment			
	(1) Provide personal protective equipment that is suitable for workers.			
	(2) Provide equipment or appliances to prevent accidents that may be caused from dropping or leakage of infectious waste.			
10.3	Welfare and health management of the employees.			
	(1) There is first aid equipment provided in case of accident or illness, as well as having a transfer system for patients in case of emergency.			
	(2) Workers are required to undergo annual health checkup, or risk-based health checkup.			
11	Social responsibility			
11.1	Offer a channel to accept complaints, as well as data tracking system and solutions to complaints.			

(Translation)

Part 2 Assessment List for the Place of Business of Infectious Waste Disposal by Means of Incineration

No.	List of Assessment	Operations		Proof
		Yes	No	
11.2	Corporate social responsibility initiatives (if any).			

Confirmation of Applicant

The information provided herein and documents annexed hereto are updated and accurate in all aspects.

Signed _____ **Applicant**

Name-Surname _____

(Blocking Letters)

Date _____

(Translation)

3. Businesses under Clause 3 of the Notification of the Ministry of Public Health on Businesses Hazardous to Health, B.E. 2558 (A.D. 2015)

Part 1 Information of place of business

(1) Name of Place of Business _____

(2) Name of Owner _____

(3) Year of Launching _____

(4) Location of Place of Business

Location No _____ Village No. _____ Alley _____ Road _____

Subdistrict _____ District _____ Province _____

Postal Code _____ Tel _____ Fax _____

(5) Nature of Place of Business and Products

(6) Size of Place of Business

6.1 Total Area _____ rai

6.2 Operational Area _____ square metres

(7) Operating Hours

7.1 Office Division: From _____ hrs to _____ hrs. Total _____ day(s)/week

7.2 Manufacturing Division: From _____ hrs to _____ hrs. Total _____ day(s)/week

7.3 Other divisions:

- Division _____ From _____ hrs to _____ hrs. Total _____ day(s)/week

- Division _____ From _____ hrs to _____ hrs. Total _____ day(s)/week

- Division _____ From _____ hrs to _____ hrs. Total _____ day(s)/week

(8) Total Number of Permanent Staff

8.1 Total _____ persons

8.2 Sales Office: Male _____ person(s), Female _____ person(s)

8.3 Manufacturing Section: Male _____ person(s), Female _____ person(s)

8.4 Other tasks (if any)

- Task: _____ Male _____ person(s), Female _____ person(s)

- Task: _____ Male _____ person(s), Female _____ person(s)

- Task: _____ Male _____ person(s), Female _____ person(s)

(9) Type of raw materials and chemicals used in the manufacturing process and storage quantity

Attached a list of **raw materials** used in the manufacturing process and storage quantity

Attached a list of **chemicals** used in the manufacturing process and storage quantity

(10) Types of machines used in the manufacturing process

Attached a list of **types of machines** used in the manufacturing process together with the number of machines

(11) Maps or aerial photographs that portray location, territory, and peripheral land usage within 1-kilometre radius.

Attached maps or aerial photographs portraying location, territory, and peripheral land usage within 1-kilometre radius

(12) Diagram of the manufacturing process and products

Attached a diagram of the manufacturing process and products

(Translation)

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<p>Confirmation of Applicant</p> <p><input type="checkbox"/> The information provided herein and documents annexed hereto are updated and accurate in all aspects.</p>	<p>Signed _____ Applicant</p> <p>Name-Surname _____</p> <p style="text-align: center;">(Blocking Letters)</p> <p>Date _____</p>
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(Translation)

Part 2 Assessment List for the Place of Business				
No.	List of Assessment	Operations		Proof
		Yes	No	
1	Location and attributes			
1.1	The place of business is located in distant proximity from religious places, hospitals, educational establishments, childcare, elderly care facilities and rehabilitation or disability centres, or other places that are required special health protection of people.			
1.2	The building is durable, well built, and suitable for the operations in accordance with the Building Control Act and other relevant laws.			
1.3	The building offers a fire exit, fire stairs, or emergency exit together with a map. Illuminance must be sufficient with a clearly visible signboard or sign. The emergency exit must have emergency lights when the usual electrical system fails. In this regard, all the specifications must comply with the Building Control Act and other relevant laws.			
1.4	The building offers lighting system and ventilation that comply with the Building Control Act and other relevant laws.			
1.5	The building offers bathrooms and toilets according to the designs and the number prescribed in the Building Control Act and other relevant laws. These bathrooms and toilets must be maintained in a hygienic condition on a daily basis.			
2	Sanitation in the place of business			

(Translation)

Part 2 Assessment List for the Place of Business				
No.	List of Assessment	Operations		Proof
		Yes	No	
2.1	The place of business offers hygienic waste enclosures or receptacles that are suitable and sufficient for types and quantity of waste, as well as cleaning the waste enclosures or receptacles and the area that keeps those receptacles on a regular basis.			
2.2	The place of business offers waste disposal. <input type="checkbox"/> Third party services <input type="checkbox"/> Responsible for waste disposal itself and has been approved by a local official. The waste disposal has been correctly carried out in accordance with local provisions and relevant laws.			
2.3	The place of business offers prevention and eradication of animal and insect vectors based on academic principles.			
2.4	The place of business offers a canteen or kitchen provided for food cooking, seasoning, or storing for workers, which complies with food sanitation principles and local provisions.			
2.5	The place of business arranges items in an orderly, methodical, and safe manner, and keeps them clean in accordance with sanitation and hygiene principles in order to ensure safety and not to cause nuisance or hazards to health.			
2.6	The place of business offers clean drinking water, of which the quality is not below that of drinking water of the Department of Health,			

Part 2 Assessment List for the Place of Business				
No.	List of Assessment	Operations		Proof
		Yes	No	
	sufficiently for workers on a daily basis. Moreover, the place of business offers a drinking container that is clean and free from contamination which may be hazardous to health. The location of the container and drinking nature must not be contaminated with dirt or substances that are hazardous to health.			
2.7	The place of business offers consuming water of which the quantity and quality are suitable for the operations (exclusive of water used in the manufacturing process).			
3	Control of hazardous substances and pollution that may be caused by the operations			
3.1	<p>Water pollution</p> <p><input type="checkbox"/> No water pollution</p> <p><input type="checkbox"/> Water pollution, with following solutions:</p> <p>(1) Provide a grease trap</p> <p>(2) Provide an effluent treatment system</p> <p>(3) Provide a water drainage system</p> <p>(4) Provide a rainwater drainage system</p> <p>(5) Others, please specify:</p> <p>_____</p> <p>_____</p> <p>_____</p>			
3.2	<p>Air pollution</p> <p><input type="checkbox"/> No air pollution</p> <p><input type="checkbox"/> Air pollution, with following solutions:</p>			

Part 2 Assessment List for the Place of Business				
No.	List of Assessment	Operations		Proof
		Yes	No	
	(1) Provide an air pollution treatment system (2) Provide a ventilation system (3) Others, please specify: _____ _____ _____			
3.3	Noise pollution <input type="checkbox"/> No noise pollution <input type="checkbox"/> Noise pollution, with following solutions: (1) Source of noise (2) Medium for transmission (3) Others, please specify: _____ _____ _____			
3.4	Vibration <input type="checkbox"/> No vibration <input type="checkbox"/> Vibration, with following solutions: _____ _____ _____			
3.5	Hazardous waste <input type="checkbox"/> No hazardous waste <input type="checkbox"/> Generate waste that is contaminated with toxic, hazardous waste, with following solutions: _____ _____ _____			

(Translation)

Part 2 Assessment List for the Place of Business				
No.	List of Assessment	Operations		Proof
		Yes	No	
	(1) Collect, store (2) Dispose (3) Others, please specify _____ _____ _____			
3.6	Hazardous substances <input type="checkbox"/> No hazardous substances <input type="checkbox"/> Hazardous substances, with following solutions: (1) Collect, store (2) Dispose (3) Other, please specify _____ _____ _____			
4	Safety, occupational health, and hygiene of workers			
4.1	Equipment, appliance, or machinery safety			
	(1) The place of business uses equipment, appliances, or machines that are safe for work operations within the place of business, which are well built, stably and safely installed.			
	(2) The arrangement or storing of equipment, appliances, or machines must be in an organised manner by not blocking walkways or work operations; and all equipment, appliances, or machines must be monitored and maintained in good conditions at all times.			

(Translation)

Part 2 Assessment List for the Place of Business				
No.	List of Assessment	Operations		Proof
		Yes	No	
	(3) Offer a protective system and warning or suggestion signboards to prevent danger caused by equipment, appliances, machines, or a signboard that mentions danger potentially caused by the work environment.			
4.2	Personal protective equipment			
	(1) Offer personal protective equipment that is suitable and meets the standards for workers in accordance with the Safety, Occupational Health and Work Environment Act.			
	(2) Offer maintenance for personal protective equipment to ensure its safe condition.			
	(3) All workers have undergone training concerning instructions and maintenance of personal protective equipment.			
	(4) Offers a proper and clearly visible board, sign, or symbol encouraging workers to wear personal protective equipment.			
4.3	Fire prevention and control			
	(1) Sufficiently installed with fire water supply and fire protection equipment that are able to extinguish primary fires at every part of the building of which the specifications are in accordance with the Safety, Occupational Health, and Work Environment Act.			
	(2) Offer a proper number of portable fire extinguishers which are installed in alignment with the type of fire. In this regard, it must be in accordance with the Safety, Occupational Health, and Work Environment Act.			

(Translation)

Part 2 Assessment List for the Place of Business				
No.	List of Assessment	Operations		Proof
		Yes	No	
	(3) Arrange a plan for fire extinguisher training for workers, of which the criteria and procedures shall be in accordance with the Safety, Occupational Health, and Work Environment Act.			
	(4) Arrange a plan for fire protection and evacuation rehearsal.			
4.4	Provision of staff welfares and health checkup			
	(1) Offer welfares to workers in an appropriate and sufficient manner as prescribed by relevant laws.			
	(2) Arrange health checkup for workers in accordance with the Safety, Occupational Health, and Work Environment Act, or health checkup in accordance with the criteria prescribed by notifications of the Ministry of Public Health.			
5	Social responsibility			
5.1	Offer a channel to accept complaints, as well as data tracking system and solutions to complaints.			
5.2	Corporate social responsibility initiatives (if any).			

Confirmation of Applicant <input type="checkbox"/> The information provided herein and documents annexed hereto are updated and accurate in all aspects.	Signed _____ Applicant Name-Surname _____ (Blocking Letters) Date _____
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