

Republic of Latvia  
Cabinet  
Regulation No. 15  
Adopted 3 January 2002

**Regulations regarding Requirements for Construction of Landfill Sites, as well as Management, Closure and Re-cultivation of Landfill Sites and Dumps**

Issued pursuant to Section 7,  
Paragraph 5 of the  
Waste Management Law

**I. General Provisions**

1. These Regulations prescribe the requirements for construction of waste landfill sites (hereinafter – landfill site), as well as the management, closure and re-cultivation of landfill sites and dumps.
2. These Regulations apply to dumps and landfill sites, including sites where the owner of waste disposes of the waste in the location of the generation thereof, as well as to specially equipped sites for temporary storage of waste, where the waste is stored for more than a year, except cases referred to in Sub-clause 3.2 of these Regulations.
3. These Regulations do not apply to:
  - 3.1. the unloading of waste to prepare it for transportation, recovery, treatment or disposal at another location;
  - 3.2. waste storage before recovery or treatment thereof for not longer than three years;
  - 3.3. the dispersion of waste water sludge, river bed deepening sludge and similar materials in soil for the purposes of fertilisation or improvement;
  - 3.4. the utilisation of low-toxic municipal waste containing negligible pollutants for the improvement of territory, re-cultivation or construction work at landfill sites (if the waste is appropriate for the relevant purpose) if after waste disposal significant physical, biological or chemical changes do not take place, if the waste does not interact with other substances or materials when coming into contact with such substances and materials, and does not create hazard to human life and health or the environment (hereinafter – inert waste).
  - 3.5. the disposal of sludge along water bodies and flowing water bodies from which they have been removed in order to deepen the river bed, if the sludge is not considered as hazardous waste in accordance with Cabinet Regulation No. 258 of 19 June 2001, Regulations Regarding Waste Classification and Characteristics Making Waste Hazardous; and
  - 3.6. the disposal of inert waste or non-polluted soil resulting from geological prospecting, extraction, recovery and storage of mineral deposits, as well as due to the activity of quarries.
4. Landfill sites shall be divided into the following categories:
  - 4.1. landfill sites for hazardous waste;
  - 4.2. landfill sites for municipal waste; and
  - 4.3. landfill sites for inert waste.
5. The Minister for Environmental Protection and Regional Development shall approve a strategy for decreasing the amount of waste which may decompose in aerobic or anaerobic conditions (hereinafter – biodegradable waste) to be disposed of in landfill sites and dumps. Specific objectives shall be specified in the strategy for decreasing the amount of biodegradable waste, utilising recovery and composting of waste, as well as the acquisition of bio-gas.

**II. Construction of a Landfill Site**

6. A landfill site shall be constructed having regard to:

- 6.1. distance thereof from residential areas, from areas used for recreation, as well as from water bodies, waterways and land utilised for agriculture.
- 6.2. limitations in respect of all types of protective zones at the construction site of the landfill;
- 6.3. geological and hydro-geological conditions in a possible construction site of the landfill;
- 6.4. possibility of flooding, subsidence, landslides or avalanches at a possible construction site of the landfill;
- 6.5. the specially protected nature territories or cultural monuments at a possible construction site of the landfill;
- 6.6. the direction of the dominant winds in relation to residential areas.

7. Landfill sites are prohibited to be constructed in:

- 7.1. territories in which during the whole period of landfill site operation the maximum level of ground water can not be ensured to be lower than one meter above the base of the landfill site;
- 7.2. actively hot zones;
- 7.3. locations where it is not provided for in accordance with territorial planning; and
- 7.4. locations where it is prohibited in accordance with regulatory enactments.

8. If construction of a landfill site is to be financed from State, local government or international financial institution resources, the owner or manager of the landfill site, before commencing construction, shall prepare a feasibility study of the landfill site construction, in which the following shall be included:

8.1. the following information regarding the region where the landfill site for disposal of collected waste is intended to be constructed:

- 8.1.1. description of the relevant territory, size and density of population in the region of municipal waste management, as well as types of entrepreneurial activity and infrastructure;
  - 8.1.2. sources of waste generation, quantity and composition of waste, types of waste to be deposited, distance between the location of the intended landfill site and the source of significant waste generation, as well as forecasts regarding changes in the quantity of waste, composition and types during the intended time period of operation.
  - 8.1.3. institutional, technical and economic aspects of waste management in the relevant territory, and also the current and planned tariff system;
  - 8.1.4. the socio-economic situation in the relevant territory, also the solvency of inhabitants;
  - 8.1.5. technological alternatives for separate collection, treatment, recovery and disposal of waste;
  - 8.1.6. existing landfill sites and the planned closure thereof;
  - 8.1.7. waste collection and transportation scheme; and
  - 8.1.8. informing of the public regarding the waste management system;
- 8.2. summary of regulatory enactments that regulate waste management;
- 8.3. information regarding the possible financing sources of the landfill site construction and related waste management system;
- 8.4. information regarding public consultations for a potential landfill construction site;
- 8.5. information regarding of engineering-geological and hydro-geological exploration data from the potential landfill construction site;
- 8.6. information regarding conformity of the potential landfill construction site with the relevant administrative territorial plan;
- 8.7. information regarding land ownership rights for the potential landfill construction site;
- 8.8. information regarding the necessary land transformation;
- 8.9. general layout of the landfill site with alternative technological solutions;
- 8.10. description of civil engineering equipment for environmental protection provided in the landfill site;
- 8.11. the landfill site management, closure, re-cultivation, and monitoring and control plan;
- 8.12. information regarding existing bridges, roads and railway network, as well as other communications which directly affect the waste delivery to the landfill site; and
- 8.13. information regarding forecast costs for the construction, management, closure, re-cultivation, monitoring and control of the landfill site.

9. The functional zones in a landfill territory shall be the following:

- 9.1. internal roads;
- 9.2. waste acceptance and treatment zone;
- 9.3. waste disposal zone; and
- 9.4. infrastructure zone.

10. Access roads to a landfill site shall be planned so that the means of transport for waste transportation does not affect traffic safety and causes as little inconvenience to the surrounding population as possible.

11. Internal roads of a landfill that connect the separate buildings of the landfill and ensure undisturbed and safe movement of transport in the landfill site, shall be designed in conformity with the loading. They shall have a surface of bituminous concrete, gravel or crushed stone.

12. A waste acceptance and treatment zone shall have:

12.1. a control point intended for:

12.1.1. the registration of waste loads, visual examination of waste, weighing of waste loads, and sending of loads to the waste disposal site; and

12.1.2. the checking and registering the means of transport leaving the landfill site;

12.2. waste treatment and sorting site, which shall be provided with:

12.2.1. an individual drainage system;

12.2.2. waterproof and chemically resistant hydro-technical bituminous concrete or concrete surface, or under the bituminous concrete or concrete surface an anti-filtration surface shall be installed, and the guaranteed service life thereof shall not be less than 50 years (in both cases ensuring the filtration ratio of not more than  $10^{-9}$  m/s); and

12.2.3. appropriate technological equipment if biodegradable waste is to be accepted at the landfill site; and

12.3. an area for washing the means of transport and technical equipment of the landfill site, and for disinfecting of tyres.

13. The waste disposal zone shall be intended for long-term storage of waste. One or several waste disposal compartments shall be constructed in which waste is unloaded, compacted and disposed of.

14. In the waste disposal compartments the following shall be installed:

14.1. surface water collection and drainage systems;

14.2. specially constructed anti-filtration surface in conformity with Paragraphs 15 and 16 of these Regulations;

14.3. leachate (any liquid that has percolated through the disposed waste and that is accumulated in the waste disposal landfill or discharged from it) and waste water collection and drainage systems;

14.4. collection and drainage system at the landfill site gases (all the gases that have been generated from disposed waste) – at landfill sites of municipal waste;

14.5. ground water pollution monitoring system;

14.6. air pollution monitoring system for measurement of the parameters specified in Annex 1 of these Regulations;

14.7. movable fences around a waste disposal compartment; and

14.8. ramparts in conformity with the planned waste disposal height.

15. The base and internal walls of the waste disposal compartment shall consist of an isolating layer made of natural material and conforms to the following requirements:

15.1. for hazardous waste the thickness of the isolating layer shall be not less than five meters, ensuring that the rock filtration ratio is not more than  $10^{-9}$  m/s;

15.2. for municipal waste the thickness of the isolating layer shall be not less than a meter, ensuring that the rock filtration ratio is not more than  $10^{-9}$  m/s; and

15.3. for inert waste, the thickness of the isolating layer shall be not less than a meter, ensuring that the rock filtration ratio is not more than  $10^{-7}$  m/s.

16. If the natural isolating layer referred to in Paragraph 15 of these Regulations can not be ensured in a potential landfill construction site, an artificial isolating layer, conforming to the following requirements, shall be ensured for the basement and internal walls of the waste disposal compartment:

16.1. the thickness of the layer shall not be less than 0.5 meters;

16.2. the layer shall ensure a rock filtration ratio not more than  $10^{-9}$  m/s; and

16.3. the layer shall ensure isolating characteristics that are not worse than those referred to in Paragraph 15 of these Regulations.

17. Above the natural or artificial isolating layer of landfill sites for municipal and hazardous waste, an artificial hydro-isolating layer and at least 0.5 meters thick layer of well-filtrating soil (coarse sand, gravel) shall be installed with drainage pipes or drainage system for the collection and drainage of leachate, as well as ensuring the possibility of rinsing the drainage pipes or drainage system.

18. Leachate shall be discharged outside the waste disposal compartment and accumulated in wells for leachate accumulation. Wells for leachate accumulation shall be provided with a piping and pumping system for discharging of the leachate to waste water treatment equipment, transportation to waste water treatment equipment of local government, or the sprinkling above the disposed-of waste. Provisions shall be made to monitor the flow of leachate into the wells for leachate accumulation and to take samples for leachate analysis. Wells for leachate accumulation shall be constructed of waterproof and chemically stable material.

19. Leachate treatment equipment shall be designed taking into consideration the quantity of leachate and pollution variations depending on the quantity of precipitation and the season.

20. A collecting system for landfill gases shall be designed for all the municipal waste landfill sites where biodegradable waste is accepted. The basic elements of a gas-collecting system shall be as follows:

20.1. not less than 0.3 meters thick gas translucent soil layer between 2-3 meters thick waste layers;

20.2. gas drainage pipes or corridors built in the soil layer;

20.3. gas collectors;

20.4. gas bilge pumping system with gas output pipes and treatment equipment; and

20.5. gas utilisation equipment.

21. Landfill site gases shall be collected, treated and utilised so as to create no threat to human health or the environment. If the collected gas cannot be utilised for the production of energy, it shall be flared.

22. Premises for staff, garages, repair shops and engineering communications shall be installed in the infrastructure zone.

23. The landfill site shall be separated from the surrounding territory with a fence at least 2 meters high. All the entrances to the landfill site shall be enclosed with gates or barriers.

24. Landfill site construction work, as well as re-cultivation works at landfill sites and dumps shall be performed in conformity with the requirements specified by regulatory enactments for the regulation of construction work.

25. The time period for operation of a landfill site shall be planned to be not less than 20 years.

### **III. Management of Landfill Sites and Dumps**

26. An owner or manager of a landfill site or dump shall manage the waste so as to eliminate or reduce:

26.1. release of odours and dust;

26.2. waste spreading due to wind;

26.3. inconvenience caused by noise and traffic;

- 26.4. harmful activity of birds, rodents and insects;
- 26.5. generating of aerosols; and
- 26.6. fires.

27. In landfill sites and dumps it shall be permitted to dispose of only waste which has been treated (physical, thermal, chemical or biological processes (also sorting), that changes the characteristics of the waste, reduces the amount or the hazardous nature thereof, facilitates degrading or enhances recovery of the waste), inert waste the treatment of which is not technically possible, and such waste the treatment of which will not decrease the amount of waste or the hazardousness to human health and the environment thereof.

28. In municipal waste landfill sites and dumps the following waste shall be disposed of:

- 28.1. municipal waste; and
- 28.2. stable chemically inactive hazardous waste, also solidified glassy waste if such waste is disposed of separately from biodegradable municipal waste.

29. In a landfill site of hazardous waste it is permitted to dispose of hazardous waste of the type referred to in the waste disposal permit issued to the relevant landfill site.

30. In landfill sites of inert waste, it is permitted to dispose of only inert waste.

31. In landfill sites and dumps it is not permitted to accept for disposal:

- 31.1. liquid waste (waste that in disposal conditions is in a liquid state);
- 31.2. sludge of waste water treatment installations if the water content therein is more than 80%;
- 31.3. organic food industrial waste if it has not been composted;
- 31.4. wood treatment waste if it has not been composted;
- 31.5. waste which in landfill site conditions is explosive, corrosive, oxidising, combustible or flammable in accordance with the Cabinet Regulation No 258 of 19 June 2001, Regulations Regarding Waste Classification and Characteristics Making Waste Hazardous;
- 31.6. infectious waste from medical treatment institutions;
- 31.7. tyres (except tyres which are used for engineering technical work in a landfill site or dump) and cut tyres (except bicycle tyres and the tyres the external diameter of which is more than 1400 mm); and
- 31.8. other waste that does not conform to the waste acceptance conditions specified in these Regulations.

32. It is prohibited to mix waste in order to achieve conformity thereof to the waste acceptance conditions;

33. Before acceptance of waste, the owner or manager of a landfill site or dump shall obtain a description of the waste (Annex 2).

34. Before acceptance of waste the owner or manager of a landfill site or dump shall:

- 34.1. in a landfill site or dump for any type of waste, check the conformity of the delivered waste with the relevant description of waste;
- 34.2. in hazardous waste landfill sites (in addition to the requirement referred to in Sub-paragraph 34.1 of these Regulations):
  - 34.2.1. determine the weight of each type of waste;
  - 34.2.2. check whether the procedures of keeping a register, identification, labelling of waste and keeping a register of transportation (also transboundary movement) have been complied with;
  - 34.2.3. check the information regarding the methods utilised for waste treatment; and
  - 34.2.4. check the name and address of the supplier and waste holder;

35. In order to accept the delivered waste for disposal and to check the conformity of hazardous waste to the description of the waste, the manager or owner of a landfill site or dump shall take samples thereof before accepting the waste.

36. If it is determined that the delivered waste shall not be disposed of in a landfill site or dump, the waste shall be returned to the supplier, or for additional payment perform the further management thereof. The

manager of a landfill site or dump shall compile a report of non-compliance of waste where the reason of non-compliance shall be specified. All the costs for returning of waste shall be covered by the natural person or legal person who delivered the waste to the landfill site or dump.

37. The waste registered and accepted at a control point in a landfill site or dump shall be sent to a site or container for sorting, reusable material treatment, or storage.

38. In order to ensure the safety and health of workers employed at a landfill site or dump, the owner or manager of the landfill site or dump shall:

38.1. ensure safe working conditions not harmful to the health of workers;

38.2. formulate work safety instructions regarding work at a landfill site or dump;

38.3. formulate an action plan for emergency situations and a plan for evacuation of workers and other persons;

38.4. ensure performance of the required measures in an emergency situation; and

38.5. provide workers with the necessary collective and individual protective equipment.

39. The activities performed with waste shall be registered by the owner or manager of a landfill site or dump in a journal (Annex 3) of landfill site or dump operation registration .

40. Within two months from the end of a calendar year the owner or manager of a landfill site or a dump shall submit an annual report to the regional environmental board, the local government in the administrative territory of which the landfill site is located, and local governments in the administrative territory of which the waste was collected and is disposed of in the relevant landfill site. The annual report shall include the following information:

40.1. amount and types of waste accepted and disposed of in the landfill site or dump;

40.2. amount and types of waste or re-usable materials taken out of the landfill site or dump, as well as the sites for recovery, storage or disposal;

40.3. results of monitoring of the state of the environment;

40.4. operation of the landfill site gas collection system;

40.5. measurements of the disposed of waste mass;

40.6. measurements of environmental parameters in the territory surrounding landfill site; and

40.7. control institution inspections, the results thereof, expressed reprimands, tasks to be performed and the performance thereof.

41. The regional environmental board shall compile and submit the information included in the annual reports to the Ministry of Environmental Protection and Regional Development and the Latvian Environment Agency. The Latvian Environment Agency shall ensure accessibility of relevant information to the public.

42. The Latvian Environment Agency shall regularly prepare and send information regarding landfill sites and the operation thereof to the Commission of the European Communities (upon a request thereof).

43. In order to reduce pollution of the environment, the manager of a landfill site or dump shall ensure the monitoring, in accordance with requirements set out in Annex 1 of these Regulations, as well as operational examination and maintenance of civil engineering equipment for environmental protection.

44. The regional environmental board shall specify a site in the vicinity of a landfill site or dump where the measurements of environmental parameters referred to in Annex 1 of these Regulations shall be taken, as well as additional parameters of full and partial chemical analysis to be performed within the scope of the monitoring referred to in Annex 1 of these Regulations.

45. If pollution of the environment is determined at a landfill site or dump, the owner or manager of the landfill site shall rectify the causes of environmental pollution. Within a week from the determination of the environmental pollution, the owner or manager of a landfill site or dump shall provide information to the regional environmental board regarding the pollution and measures for rectification thereof.

46. In order to control pollution of ground waters, a control boring well network for taking samples and measuring levels of ground waters shall be installed in the protective zone of a landfill site or dump. At

least one boring well for taking samples of ground waters shall be installed at a location where the ground waters flow to the landfill site or dump, and at least two boring wells – in the expected directions of leakage of polluted ground waters from the landfill site or dump. If the existing data and hydro-geological conditions of the territory indicate a possibility of artesian water pollution, at least one boring well shall be installed for control of artesian waters.

#### **IV. Closure and Re-cultivation of a Landfill Site and Dump**

47. A landfill site shall be closed if:

47.1. the design capacity of a landfill site, on the basis of a waste disposal permit and information provided in an annual report, has been filled;

47.2. the term of the waste disposal permit has expired and it has not been extended;

47.3. the requirements specified in the waste disposal permit are not observed; or

47.4. environment monitoring data indicates deterioration of the state of the environment and it is not possible to take measures to rectify the deterioration of the state of the environment.

48. A dump shall be closed:

48.1. in the cases referred to in Paragraph 47 of these Regulations; or

48.2. if it is possible to ensure the recovery or disposal of waste in a landfill site.

49. A regional environmental board, after the receipt of a written submission from a local government, shall issue technical regulations regarding measures to be performed for closure, re-cultivation, monitoring of a landfill site or dump and maintenance thereof after the closure.

50. The relevant local government, on the basis of the technical regulations issued by the regional environmental board, shall issue binding regulations in which shall be specified the procedures for covering of costs by an owner or manager of a landfill site or dump for the closure and re-cultivation of a landfill site, and expenses related to monitoring and maintenance of the landfill site or dump after the closure, as well as the necessary amount of aforementioned costs and expenses .

51. In order to ensure inclusion of a closed landfill site or dump into the landscape and further utilisation of the territory, if the amount of the disposed of waste in the landfill site or dump is more than 25 000 tonnes, the manager of the landfill site or dump shall prepare a design for covering and remediation of the landfill site or dump. The project shall provide for the following:

51.1. to cover the upper part of the depository with at least a 50 centimetre thick layer of soil, not very permeable to water or with an appropriate anti-filtration layer the guaranteed service life of which is at least 50 years;

51.2. to cover the waste disposal compartment with at least a 20 centimetre thick layer of fertile soil;

51.3. to install a surface water collection and drainage system; and

51.4. to prepare a special plan for landscape reclamation.

52. The re-cultivation of a landfill site or dump is completed if after a relevant assessment the regional environmental board issues a written opinion that the requirements specified in the technical regulations have been observed at the re-cultivated landfill site or dump.

53. An owner or manager of a landfill site (except a landfill site of inert waste) shall ensure monitoring of the landfill site and maintenance of it after closure thereof, and harmonise the duration and frequency of the monitoring, as well as parameters to be measured and places where the monitoring shall be performed, with the regional environmental board;

54. The regional environmental board shall determine where in the vicinity of a landfill site or dump the measurement of environment parameters referred to in Annex 1 of these Regulations shall be performed, as well as additional parameters of full and partial chemical analysis to be performed within the scope of the monitoring referred to in Annex 1 of these Regulations.

55. Monitoring shall be performed in conformity with Annex 1 of these Regulations for 30 years after

closure of a landfill site (except a landfill site of inert waste) or dump.

## V. Closing Provisions

56. The Minister for Environmental Protection and Regional Development shall approve the strategy referred to in Paragraph 5 of these Regulations by 31 December 2002.

57. Sub-paragraph 14.4; Paragraphs 20 and 21; Sub-paragraph 40.4; Paragraph 3 of Annex 1 and Sub-chapter 2, Chapter III of Annex 3; Columns 5 and 6, Sub-chapter 4 of these Regulations do not apply to landfill site construction projects the designing of which was commenced prior to the day of coming into force of these Regulations.

58. Paragraphs 27 and 29 of these Regulations with respect to hazardous waste landfill sites shall come into force on 1 January 2005.

59. An owner or manager of existing landfill sites or dumps shall submit a plan for landfill site or dump operation improvement, in which the information regarding fulfilment of the requirements of Chapter III at a landfill site or dump, measures for improvement of the state of the environment and the expected time period for closure of a landfill site or dump shall be included.

60. Within a period of one month from receipt of the plan of measures, the regional environmental board shall evaluate the plan and take a relevant decision regarding:

60.1. necessary additions in a permit or issuance of a new permit setting out specific time periods for measures to be performed; or

60.2. closure of a landfill site if it has a negative effect upon human health or the environment, and other sites of waste disposal are accessible.

Prime Minister

A. Bērziņš

Minister for Environmental  
Protection and Regional Development

V. Makarovs

---

**Annex 1**  
Cabinet Regulation No. 15  
3 January 2002

### Monitoring Parameters of Environment States in a Landfill Site or Dump or Surroundings thereof

No.	Parameters of monitoring and control	Frequency of monitoring and control	
		during operation of a landfill site	during 30 years after
<b>the closure of a landfill site</b>			
1.	Leachate		
1.1.	quantity	once a month	once every six months
1.2.	chemical composition		
1.2.1.	partial chemical analysis	once every three months	once every six months
1.2.2.	full chemical analysis	once every six months	once every six months
2.	Chemical composition of surface waters		

2.1.	partial chemical analysis	once every three months	once every six months
2.2.	full chemical analysis	once every three months	once a year
3. Landfill site gas			
3.1.	quantity	once a day	once every six months
3.2.	quantitative composition	once a month	once every six months
4. Weight of the disposed waste			
4.1.	height	once every three months	-
4.2.	density	once a month	-
4.3.	volume of container	once a year	once a year
5. Surrounding territory of a landfill site			
5.1.	level of ground waters	once every three months	-
5.2. Chemical composition of ground waters			
5.2.1.	partial chemical analysis disposed of in the landfill site	once every three months	depending on the type of waste
5.2.2.	full chemical analysis disposed of in the landfill site	once a year	depending on type of waste
5.3. landfill site gas			
5.3.1.	quantity disposed of in the landfill site	once every three months	depending on the type of waste
5.3.2.	composition disposed of in a landfill site	once every three months	depending on the type of waste

Notes.

1. In a partial chemical analysis, the following parameters shall be determined:

- 1.1. pH (on site during pumping of a boring well);
- 1.2. electric conductivity (on site during pumping of a boring well);
- 1.3. chemical consumption of oxygen;
- 1.4. total amount of nitrogen;
- 1.5. total amount of phosphorus; and
- 1.6. chlorides (Cl).

2. In a full chemical analysis, the following parameters shall be determined:

- 2.1. all the parameters of the partial chemical analysis;
- 2.2. composition of dry matter;
- 2.3. biochemical consumption of oxygen in five days;
- 2.4. oxidisability (permanganate method);
- 2.5. nitrates (NO<sub>3</sub>);
- 2.6. nitrites (NO<sub>2</sub>);
- 2.7. ammonium (NH<sub>4</sub><sup>+</sup>);
- 2.8. sulphates (SO<sub>4</sub><sup>2-</sup>);
- 2.9. index of phenols;
- 2.10. oil products;
- 2.11. boron;

2.12. metals – zinc (Zn), copper (Cu), cadmium (Cd), chrome (Cr), lead (Pb), mercury (Hg), iron (Fe), manganese (Mn) and cobalt (Co).

Minister for Environmental  
Protection and Regional Development  
V. Makarovs

**Annex 2**  
Cabinet Regulation No. 15  
3 January 2002

### Description of Waste

1. Name and address of waste supplier \_\_\_\_\_

2. Waste transportation permit No. \_\_\_\_\_, issued (date) \_\_\_\_\_, valid until (date) \_\_\_\_\_.

3. Amount of waste

Class of waste in accordance with regulations* with regulations*	Weight of waste (t)	Name of waste in accordance volume of waste (m <sup>3</sup> )	
1	2	3	4

4. Additional information on transported hazardous waste:

4.1. name and address of the holder of hazardous waste \_\_\_\_\_

4.2. quantity of waste

Class of waste according to regulations waste (t)	Capacity of waste (m <sup>3</sup> )	name of waste according to regulations Physical characteristics of waste Characterisation of waste hazardousness according to regulations	Weight of Chemical composition of waste Method of waste treatment				
1	2	3	4	5	6	7	8

Note. \*Cabinet Regulation No. 258 of 19 June 2001, Regulations Regarding Waste Classification and Characteristics Making Waste Hazardous.

4.3. safety measures necessary when disposing of waste

4.4. chemical substances or products with which waste must not be mixed

Carrier of waste

\_\_\_\_\_  
(signature and full name)

Receiver of waste \_\_\_\_\_  
(signature and full name)

\_\_\_\_\_ (date)

Minister for Environmental  
Protection and Regional Development  
V. Makarovs

**Annex 3**  
Cabinet Regulation No. 15  
3 January 2002

### Registration Journal of Landfill Site/Dump Operation

Manager of a landfill site/dump \_\_\_\_\_  
(name of an undertaking (company) or given name and surname of natural person)

Location of a landfill site/dump \_\_\_\_\_  
(address)

Number of a waste disposal permit \_\_\_\_\_

date issued \_\_\_\_\_

Registration journal started \_\_\_\_\_  
Registration journal closed \_\_\_\_\_

#### I. Recording of waste taken into the landfill site/dump

Date	Receiver of waste (name and surname of natural person)	Number, date issued, issuer of waste disposal permit	Supplier of waste (name of undertaking (company) or given name and surname of natural person)	Number of accompanying document or number of agreement	Quantity of waste	Designation of waste	Identification number of means of transport	Waste disposal place in landfill site/dump	Person responsible for waste disposal	
1	2	3	4	5	6	7	8	9	10	11

#### II. Recording of waste or re-usable materials taken out of a landfill site/dump

Date	Waste or re-usable materials to be taken out have been registered by (given name and surname of natural person)	Quantity of waste or re-usable materials	Carrier of waste or re-usable materials (name of undertaking (company) or given name and surname of natural person)	Site for recovery, storage or disposal of waste or re-usable materials	Number, date issued and issuer of waste disposal permit	Registration number of the means of transport				
1	2	3	4	5	6	7	8	9	10	

### III. Results of Landfill Site/Dump Monitoring

#### 1. Results of leachate and surface waters monitoring

Date	Geographical co-ordinates of sampling location			Identification number of a sample			Chemical composition of leachate	
composition of leachate samples (given name and surname)	Chemical composition of surface waters			Notes			Person taking	
	ingredient concentration of ingredient (mg/l)			ingredient concentration of ingredient (mg/l)			ingredient	
1	2	3	4	5	6	7	8	9

#### 2. Operation of the landfill site gas collection system

Date (m <sup>3</sup> )	Identification number of sample			Capacity of collected gas of a landfill site			Utilisation of collected gas of a landfill site	
	Chemical composition of landfill site gas			Notes			performer of measurements (given name and surname)	
	ingredient			concentration of the ingredient (mg/Nm <sup>3</sup> )				
1	2	3	4	5	6	7	8	

#### 3. Quantity of the disposed of waste

Date	Geographical co-ordinates of the location of measurements			Perimeter of compartment			
	Height of disposed waste mass (m)			Density of disposed waste mass (kg/m <sup>3</sup> )			
	Signature of the performer of measurements			Notes			
1	2	3	4	5	6	7	

#### 4. Measurements of environment parameters in the surrounding territory of a landfill site/dump

Date and time of taking samples from ground surface)	Geographical co-ordinates of sampling location			Level of ground waters (m)					
composition of ground waters	Identification number of sample			Chemical composition of landfill site gas					
Person taking samples (given name and surname)	Notes			Chemical					
	ingredient concentration of ingredient (mg/l)			ingredient concentration of ingredient (mg/Nm <sup>3</sup> )			ingredient		
1	2	3	4	5	6	7	8	9	10

### IV. Inspections by control institutions

Date of inspection	Name of control institution, given name, surname and position of the official			Results		
	Tasks to be performed			Notes		
1	2	3	4	5		

Minister for Environmental  
Protection and Regional Development  
V. Makarovs