

Republic of Latvia  
Cabinet  
Regulation No. 696  
Adopted 6 September 2011

**Procedure for the Issue of Licences for the Use of Subterranean Depths and Authorisations for the Extraction of Widespread Mineral Resources**

*Issued pursuant to Section 4,  
Paragraph five, Clause 1,  
Section 5, Paragraph four, Clause 1,  
Section 10, Paragraph one, Clauses 1 and 3  
Paragraphs two, 2.<sup>1</sup>, seven, ten and eleven of the  
Law On Subterranean Depths*

**I. General Provisions**

1. This Regulation prescribes:

1.1. the procedure by which local governments shall issue authorisations for the extraction of widespread mineral resources (hereinafter – authorisation);

1.2. the procedure by which the State Environmental Service (hereinafter - Service) shall issue licences for the use of subterranean depths (hereinafter - licence);

1.3. the procedure by which the State limited liability company „Latvian Environment, Geology and Meteorology Centre” (hereinafter – Centre) shall co-ordinate the passport of the borehole of water abstraction and source;

1.4. the cases where in respect of the lands owned by the State or local governments a competition for the receipt of a licence or authorisation or tender regarding the land lease rights and the receipt of a licence or authorisation shall be organised;

1.5. the cases when a licence shall be issued for the use of subterranean depths throughout the territory of Latvia;

1.6. the procedure for the use of mineral resources (ground water) of national significance;

1.7. the procedure for the use of mineral resources (ground water) of national significance, in the cases when the owner of the land and installation for the extraction of mineral resources of national significance is not one and the same person;

1.8. the general procedure for competitions or tenders for the issue of licences and authorisations;

1.9. the procedure for the use of deposits of national significance; and

1.10. the content of the passport of the deposit of mineral resources.

2. The location of the territory anticipated for the use of subterranean depths on a map or plan, the borders of the parcel of land anticipated for the use of subterranean depths, the co-ordinates of the border points as well as other geospatial information related to the preparation and issue of a licence or authorisation shall be depicted in compliance with the regulatory enactments regulating geospatial information, observing the data of the State Land Service cadastral information system.

3. A passport of deposits of mineral resources and the limit for the extraction of mineral resources shall be prepared and the licence or authorisation issued, if the Centre has accepted Category A or N stocks of mineral resources in a deposit in accordance with the regulatory enactments regarding the procedure for the extraction of mineral resources.

4. A person may receive a licence for the use of subterranean depths for up to one year throughout the territory of Latvia, or a part thereof, if it is intended to use the subterranean depths for:

4.1. geo-engineering exploration for the needs of Category I structures, for geological or geophysical exploration;

4.2. the establishment of a monitoring system of subterranean depths or for the performance of monitoring; or

4.3. prospecting for mineral resources.

## **II. A Passport of Deposits of Mineral Resources (Except Ground Water) and the Limit for the Extraction Thereof**

5. For the extraction of mineral resources (except ground water), the Service shall:

5.1. issue a valid passport of the deposit of mineral resources (except ground water) (Annex 1), which shall contain the basic information regarding the deposit of mineral resources acquired during geological exploration, the accepted stocks, the quality of the stocks of mineral resources and the opportunities for use; and

5.2. determine the limit for the extraction of mineral resources (Annex 2) – the maximum permitted amount of the extraction of mineral resources in a specified time period in a deposit of mineral resources or in a part of the deposit.

6. In order to receive a passport of the deposit of mineral resources (except ground water) or a determined limit for the extraction of mineral resources, the appropriate application shall be submitted to the Service. The following information shall be included in the application:

6.1. the date and place of submitting the application;

6.2. the given name, surname and personal identity number of the applicant or the merchant firm and registration number in the Commercial Register, the telephone number and e-mail address;

6.3. the name of the document being requested;

6.4. the administrative affiliation of the deposit of mineral resources and the address (if possible); and

6.5. the name of the deposit of mineral resources in accordance with the register of deposits of mineral resources.

7. The following shall be appended to the application referred to in Paragraph 6 of this Regulation:

7.1. if the application is not submitted by the land owner – a copy of the contact entered into with the land owner, legal possessor or authorised person regarding the extraction of mineral resources; and

7.2. if a limit is being requested for part of a deposit – a scale plan of 1:10000 or other appropriate scale in which the depicted borders and border points of the territory anticipated for the extraction of mineral resources can be seen, as well as an appended list of the co-ordinates of the border points in the form of a table.

8. If all the information referred to in Paragraphs 6 and 7 of this Regulation is not submitted, the Service shall request the missing information in writing, not later than 10 working days following the receipt of the application.

9. The Service shall hand over to the State Geology Fund a copy of the documents referred to in Annexes 1 and 2 to this Regulation.

### **III. Use of Ground Water**

10. A licence shall be received for the installation of a borehole of ground water abstraction in accordance with the procedure specified in this Regulation. Ground water shall be extracted in accordance with the regulatory enactments regulating the issue of authorisations for the use of water resources or authorisations for performance of Category A or B polluting activities.

11. If it is intended to extract more than 100 m<sup>3</sup> of ground water per day, a passport for the deposit of ground water (Annex 3) issued by the Service shall be required by the person extracting the ground water. In order to receive a passport for the deposit of ground water, the Service shall submit an application containing the following information:

- 11.1. the date and place of submitting the application;
- 11.2. the given name, surname and personal identity number of the applicant or the merchant firm and registration number in the Commercial Register, the telephone number and e-mail address; and
- 11.3. the administrative affiliation and name of the deposit of ground water.

12. If additional exploration is performed at the deposit of ground water and the Centre has accepted new ground water stocks, a new passport for the deposit of ground water shall be prepared.

13. After the establishment of a borehole of water extraction the merchant shall prepare a passport of the borehole of water abstraction (Annex 4).

14. Following the hydrological exploration of a source, the merchant shall prepare a passport of sources (Annex 5).

15. The ground water shall be classified in accordance with:

- 15.1. the stratification of the hydrological cut (Annex 6);
- 15.2. the classification of the aquifers of ground water (Annex 7); and
- 15.3. the chemical composition and specific properties (Annex 8).

16. The Centre shall co-ordinate the passports referred to in Paragraphs 13 and 14 of this Regulation by the following procedure:

16.1. inspect for the presence of all the necessary annexes, seals, dates as well as the signatures and seals of the performer of the work, the merchant and the responsible officials and the date of the performance of the work;

16.2. inspect the conformity of the borehole's geologically technical cut with the existing geological situation;

16.2.1. determine the location of the installed borehole on an appropriate topographical map;

16.2.2. prepare a map indicating the surrounding existing boreholes;

16.2.3. analyse data regarding the surrounding existing boreholes;

16.2.4. assess the geological and hydrological conditions according to the data of the State Geology Fund;

16.2.5. compare the geological cut in the territory to be examined with the geologically technical cut submitted;

16.2.5.1. the geologically technical cut shall conform with the requirements of the licence (if the borehole has been installed in another aquifer or the borehole construction has been altered, the amendments to the licence for the use of subterranean depths shall be appended);

16.2.5.2. the geological cut shall reflect the geological structure of the subterranean depths, on the basis of the geological structure of the specific region, detailing it in conformity with the information acquired during the course of drilling;

16.2.5.3. the stratigraphic division of the stratification of the geological cut and lithological description of the rocks shall conform with the accepted stratigraphic legend of the geological cut (1995), the stratification of the hydrological cut and the classification of the aquifers (Annexes 6 and 7 to this Regulation); and

16.3. when co-ordinating a passport of sources, the evaluation of the borehole construction shall be replaced with the evaluation of the source catchment, and the data regarding the surrounding existing sources shall be analysed as well.

17. The protective zone around the place of water extraction shall be co-ordinated with the relevant branch of the Health Inspectorate following the evaluation by the Centre of the calculation of the protective zone and acceptance of the stocks of ground water.

18. One copy of the co-ordinated passport referred to in Paragraphs 13 and 14 of this Regulation shall be kept by the State Geology Fund and the other handed over to the commissioning party of the drilling or exploration.

19. If the owner of the land and installation for the extraction of ground water is not the same person, the owner of the land shall provide the owner of the installation for the extraction of ground water with:

19.1. access to the installation for the extraction of ground water; and

19.2. the rights for the use of land necessary for the use of the installation for the extraction of ground water at least in a protective zone with a stringent regime.

20. An owner of land shall use the installations for the extraction of ground water belonging to another person in accordance with an agreement entered into regarding the use of the installation.

21. If the person extracting the ground water interrupts the use of the borehole of water abstraction, he or she shall ensure the conservation or liquidation of the borehole. An act shall be compiled regarding the liquidation of a borehole (Annex 9). The merchant shall hand over a copy of the act regarding the liquidation of a borehole to the State Geology Fund.

#### **IV. Licences and Authorisations**

22. In order to receive a licence (Annex 10) an application for the receipt of a licence shall be submitted to the Service. The following information shall be included in the application:

22.1. the date and place of submitting the application;

22.2. the given name, surname and personal identity number of the applicant or the merchant firm and registration number in the Commercial Register, the telephone number and e-mail address;

22.3. the type of use of subterranean depths;

22.4. the administrative affiliation of the territory intended for the use of subterranean depths and the address (if possible); and

22.5. the time period for which the licence is requested.

23. The following shall be appended to the application referred to in Paragraph 22 of this Regulation:

23.1. if a person who is not the owner of the land is requesting a licence or authorisation – a copy of the agreement entered into with the owner of the land, the legal possessor or authorised person regarding the use of subterranean depths. In order to receive a licence for the liquidation of a borehole, a copy of the agreement entered into with the owner of the borehole shall also be submitted, if the borehole does not belong to the owner of the land. If a licence is being requested for one of the types of use of subterranean depths referred to in Paragraph 4 of this Regulation, the agreement with the owner of the land need not be submitted;

23.2. information regarding the qualifications of personnel and the technical facilities anticipated for the performance of the work in conformity with the type of use of subterranean depths indicated in the application;

23.3. the work programme co-ordinated with the commissioning party of the work (except where a licence or authorisation is being requested for the extraction of mineral resources);

23.4. if a licence is being requested for the installation of a borehole of water abstraction - the anticipated technically geological cut of the borehole;

23.5. if a licence is being requested for the liquidation of a borehole – the geologically technical cut of the borehole;

23.6. if a licence is being requested for the use of the useful properties of subterranean depths, by installing heat collector boreholes – information regarding the number of boreholes, the depth and distance between them, the geologically technical cut of the boreholes and a description of the measures for the protection of ground waters;

23.7. a map with a scale of 1:10000-1:50000 or other appropriate scale in which the territory intended for the use of subterranean depths is clearly depicted, except for cases where a licence is being requested for the types of use of subterranean depths referred to in Paragraph four of this Regulation. If a licence is being requested for geological exploration, the co-ordinates of the border points of the anticipated territory shall be indicated. If a licence is being requested for the installation or liquidation of a borehole, a border plan of the land on which the location of the boreholes is depicted shall be submitted;

23.8. if a competition or tender has been organised for the rights of land lease and the receipt of a licence - the decision regarding the competition or tender results; and

23.9. if the territory intended for the use of subterranean depths is located within the protection zone of State protected cultural monuments – written consent of the State Inspection for Heritage Protection.

24. Prior to the issue of a licence for the installation of a borehole of water abstraction, if necessary, the Service shall request a statement from the Centre regarding the water supply options in the territory in which the possible aquifer and possible debit is indicated.

25. The addressee of a licence shall enter into an agreement with the land owner regarding the rights to use subterranean depths during the term of validity of the licences referred to in Paragraph 4 of this Regulation prior to the commencement of the work, prepare a work programme and notify the Service regarding the intended works and the time for fulfilment thereof.

26. In order to receive an authorisation (Annex 11) an application for the receipt of an authorisation shall be submitted to the local government. The following information shall be included in the application:

26.1. the date and place of submitting the application;

26.2. the given name, surname and personal identity number of the applicant or the merchant firm and registration number in the Commercial Register, the telephone number and e-mail address; and

26.3. the administrative affiliation of the territory intended for the use of subterranean depths and the address (if possible).

27. The following shall be appended to the application referred to in Paragraph 26 of this Regulation:

27.1. the passport of deposits of mineral resources;

27.2. the limit for the extraction of mineral resources issued by the Service;

27.3. the technical regulations issued by the relevant regional environmental board of the Service;

27.4. if a person who is not the owner of the land is requesting a licence or authorisation – a copy of the agreement entered into with the owner of the land, the legal possessor or authorised person regarding the use of subterranean depths;

27.5. information regarding the qualification of the personnel and technical support intended for the performance of works;

27.6. if a competition or tender has taken place for the rights of land lease and the receipt of an authorisation and the organiser of the competition is not a local government - the decision regarding the competition or tender results; and

27.7. if the territory intended for the use of subterranean depths is located within the protection zone of State protected cultural monuments – written consent of the State Inspection for Heritage Protection.

28. If all the information referred to in Paragraphs 22, 23, 26 and 27 of this Regulation is not submitted, the issuer of the licence or authorisation shall request the missing information in writing, not later than 10 working days following the receipt of the application.

29. If the application referred to in Paragraphs 22 or 26 of this Regulation is submitted in the form of an electronic document, the applicant shall certify the application and the electronic copies of paper documents appended thereto by secure electronic signature and a time stamp in compliance with the regulatory enactments regarding the drawing up of electronic documents, as well as indicating whether they wish to receive the licence or authorisation in the form of an electronic document.

30. The Service or local government may issue the licence or authorisation in the form of an electronic document in accordance with the procedures specified by the regulatory enactments regulating the circulation of electronic documents, if the applicant has expressed such a request.

31. If it transpires that the applicant has provided false information, the issuer of the licence or authorisation shall take a decision not to issue the licence or authorisation.

32. The licence or authorisation shall have the following annexes:

32.1. the conditions for use of subterranean depths (requirements to be observed when using subterranean depths);

32.2. for the acquisition of a licence for geological exploration, a licence or authorisation for the extraction of mineral resources – a map or plan in which the borders of the land parcels and the borders of the licence area with border points in the ownership or possession of the addressee of the licence or the authorisation are delineated and to which is appended a table with the co-ordinates of the border points (except for the cases referred to in Paragraph four of this Regulation); and

32.3. for the acquisition of a licence or authorisation for the extraction of mineral resources (except ground water) – the limit for extraction of mineral resources specified by the Service.

33. The authorisation shall be issued for the period of time specified in the limit for the extraction of mineral resources.

34. If the addressee of a licence or authorisation wishes to make amendments to the licence or authorisation, he or she shall submit the following to the issuer of a licence or authorisation:

34.1. an application with the justification for the requirement of the amendments; and

34.2. the information referred to in Paragraphs 22 and 23 or 26 and 27 of this Regulation in compliance with the type of use of subterranean depths, if this is necessary for the making of the amendments.

35. A licence or authorisation shall be extended until the time periods indicated in Section 9 of the Law On Subterranean Depths counting from the day of issue, if this is permitted by the agreement entered into by the land owner, the legal possessor or the authorised person.

36. A licence or authorisation shall be issued by the following procedure:

36.1. the addressee of the authorisation or licence shall present:

36.1.1. a natural person - a personal identification document;

36.1.2. the representative of a legal person – a document attesting that the representative is authorised to receive a licence or authorisation on behalf of the legal person, if the person does not have the rights of representation of the legal person registered in the Commercial Register;

36.2. the issuer of the licence or authorisation shall register the licence or authorisation in the journal of issue of licences or in the journal of issue of authorisations –in paper form or in electronic form; and

36.3. one copy of the licence or authorisation shall be issued to the addressee of the licence or authorisation, the other shall be kept by the issuer of the licence or authorisation.

37. A local government shall notify the Service regarding the authorisations issued and cancelled once a quarter up to the twentieth day of the month following thereof.

38. If information has changed during the term of validity of a licence or authorisation which is indicated in the issued licence or authorisation (the merchant name (company) or legal address), within 10 working days following the coming into effect of the relevant changes the merchant shall submit an application to the issuer of the licence or authorisation regarding the necessary amendments to the licence or authorisation. Documents certifying the facts referred to therein shall be appended to the application. The issuer of the licence or authorisation shall re-register the licence or authorisation in the name of the new addressee of the licence or authorisation in accordance with the changes registered in the Commercial Register.

39. The issuer of issued licences or authorisations shall place information regarding them on his or her website. An issuer of a licence or authorisation shall also place information on his or her website regarding the restriction or suspension of use of subterranean depths or the cancellation of licences or authorisations.

## **V. Competition or Tender Regarding Land Lease Rights and the Receipt of a Licence or Authorisation for the Extraction of Mineral Resources**

40. A land owner or legal possessor shall organise a competition or tender for land lease rights and the receipt of a licence or authorisation for the extraction of mineral resources (except ground water), if the land area owned by the State or local government or the land area adjacent to the State or local government, where it is intended to extract mineral resources is:

- 40.1. for peat – larger than 150 hectares; or
- 40.2. for other mineral resources – larger than 25 hectares.

41. If the unclaimed area of the deposit has been geologically explored and mineral resources of A or N category have been confirmed and if the unclaimed area of the deposit is smaller than 100% of the existing licence area and this is adjacent, then, when extending the licence area of a deposit of mineral resources, a competition or tender need not be organised.

42. The organiser of a competition shall develop the regulations of the competition and establish a competition commission. The following shall be included in the regulations of a competition:

- 42.1. general information (the type of use of subterranean depths, the name and description of the competition object and the details of the competition organiser);
- 42.2. the rights and duties of the competition commission;
- 42.3. information regarding the submission of tenders and the place, date, time and procedures of opening;
- 42.4. requirements for the drawing-up and submission of tenders;
- 42.5. the criteria and procedures for the evaluation of tenders submitted;
- 42.6. the draft land lease agreement;
- 42.7. information regarding the place, time and procedures for the organisation of the tender, if in accordance with the competition procedure the tender is organised by the owner or legal possessor of the land; and
- 42.8. the procedure for the appeal of the competition results.

43. The following evaluation criteria shall be specified for applicants in the competition regulations:

- 43.1. financial possibilities;
- 43.2. experience in the extraction of mineral resources;
- 43.3. rational production of the deposits of mineral resources;
- 43.4. environmental protection measures;
- 43.5. labour protection measures; and
- 43.6. other criteria which the competition commission considers as necessary.

44. The competition organiser shall place an invitation in the mass media (in at least one local government or other local publication and central newspaper) and on his or her website. The following shall be indicated in the invitation:

- 44.1. the name of the organiser of the competition;
- 44.2. the place and procedures for the receipt of the competition regulations;
- 44.3. the type of use of the subterranean depths and name of the competition object;
- 44.4. the time and place for the submission of tenders;
- 44.5. the address and telephone number of a contact person in order to receive additional information; and
- 44.6. other information, which the competition organiser considers to be necessary.

45. If the competition organiser does not have his or her own website for publishing an invitation, the competition organiser shall ensure the opportunity of becoming acquainted with the invitation referred to in Paragraph 44 of this Regulation in his or her premises (the place where any interested person may become acquainted with the relevant information).

46. The deadline for the submission of tenders may not be shorter than 20 working days following the publication of the invitation in the mass media and placement on the website.

47. In order that the competition organiser may evaluate the applicants in accordance with Paragraph 43 of this Regulation, the applicants shall submit the following documents:

47.1. information regarding the qualification of the personnel and technical support of works for the extraction of mineral resources;

47.2. information regarding the experience of the applicant in the extraction of mineral resources;

47.3. the work programme for the use of the competition object which includes the description of the processing technology of the deposit of mineral resources, environmental protection measures and, if necessary, other information; and

47.4. other documents requested by the competition organiser.

48. The competition organiser shall be assured that the applicant has not been declared as being insolvent, is not in the process of liquidation or the economic activity thereof has not been suspended or terminated.

49. The competition organiser, if necessary, shall request geological information from the Centre for competition needs in which compilation of the data regarding the structure of the subterranean depths, properties of mineral resources and stocks in the object transferred for competition or tendering is provided.

50. Tenders shall be evaluated by the competition commission in accordance with the five point system regarding each criterion specified in the competition regulations. The tender, which has obtained the highest average final score in accordance with the evaluation criteria of applicants specified in Paragraph 43 of this Regulation shall be recognised as the most profitable offer.

51. A competition commission is entitled to request additional information which is necessary in order to evaluate the tender. If the applicant fails to provide it or provides false information, the applicant shall be deleted from the list of competition participants.

52. If one applicant is participating in a competition, the competition commission may recognise this applicant as the winner of the competition, if the average final score of the applicant's tender exceeds 60% of the maximum possible amount of points.

53. The rights of extraction of mineral resources shall be granted in tendering, if the organisation of a tender is anticipated in the regulations of the competition and several applicants have been selected during the competition, whose average final score of tenders submitted by them exceeds 60% of the maximum possible amount of points.

54. A competition shall be considered as not having taken place, if no applicants have applied or the average final score of any of the tenders does not exceed 60% of the maximum possible amount of points.

55. The competition organiser shall publish the competition results in the mass media (in at least one local government or other local publication and in a central newspaper) and place them on his or her website within 10 working days following the coming into effect of the commission's decision.

56. The decision of the competition organiser regarding the competition results may be disputed and appealed in accordance with the procedures specified in the Administrative Procedure Law or in the competition regulations.

#### **VI. Procedure for the Use of Deposits of National Significance**

57. A licence for the use of subterranean depths shall be received for the extraction of mineral resources in deposits of national significance irrespective of the type of mineral resources.

58. The licence area in the deposits specified in the regulatory enactments regarding the deposits of national significance may not be less than 25% of the unclaimed area of the deposit. The licence area of the dolomite deposits "Birži-Pūteļi" may not be less than 10% of the unclaimed area of the deposit.

#### **VII. Closing Provisions**

59. The licences or authorisations which have been issued until the day of coming into force of this Regulation shall be valid until the expiry date indicated therein.

60. Passports for the deposits of mineral resources issued until 24 April 2007 shall be valid until 20 June 2015.

Prime Minister

V. Dombrovskis

Minister for Environmental Protection  
and Regional Development

R. Vējonis

**Passport of the Deposit of Mineral Resources (Except Ground Water)**

1. Name of the deposit of mineral resources \_\_\_\_\_

2. Administrative affiliation and address (if possible) \_\_\_\_\_

3. Type of mineral resources \_\_\_\_\_

4. Deposit explored by \_\_\_\_\_  
(who performed the exploration and when)

5. The status of the deposit of mineral resources of national significance \_\_\_\_\_

6. Information regarding the previously performed development of the deposit \_\_\_\_\_

7. Amount of the stocks of mineral resources in accordance with the decision of State limited liability company "Latvian Environment, Geology and Meteorology Centre" \_\_\_\_\_

Type of mineral resources	Division of stock by categories			
	total amount (thousand m <sup>3</sup> )		including under the level of ground water (thousand m <sup>3</sup> )	
	A	N	A	N

8. Characterisation of mineral resource deposits

Type of mineral resources	Area (thousand m <sup>2</sup> )	Thickness of useful layer (m)		
		from	until	on average

9. Characterisation of topping and seam

Type of mineral resources	Area (thousand m <sup>2</sup> )	Thickness of topping (m)			Thickness of seam between useful layers (m)			Thickness of water layer (only for sapropel)		
		from	until	on average	from	until	on average	from	until	on average

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10. Main quality parameters of mineral resources

Type of mineral resources	Quality parameter	Unit of measurement	Value		
			from	until	on average

11. Possible use of mineral resources

Type of mineral resources	Possibilities of usage by exploration data

12. Hydrological conditions of the deposit of mineral resources

Type of mineral resources	Deposit of useful cluster of layer in relation to level of ground water	Static water level from the surface of the land	
		from	until

13. Other accepted stocks and resources of mineral resources within the deposit:

13.1. the amount of mineral resources by categories

Type of mineral resources	A	N

13.2. characterisation of the deposit of mineral resources

Type of mineral resources	Area (thousand m <sup>2</sup> )	Thickness of useful layer (m)		
		from	until	on average

13.3. location of other mineral resources in relation to the main mineral resource

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14. Additional information and conditions to be observed when using the deposit:

14.1. in a special area of conservation (where relevant, the category, zone and area shall be indicated)

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14.2. State protected cultural heritage monuments or the protection zone thereof (where relevant, indicate status, additional requirements) \_\_\_\_\_

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14.3. conditions to be observed when using the deposit

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Appended: 1. Decision of the State limited liability company “Latvian Environment, Geology and Meteorology Centre”  
2. A map (plan) of the location of the deposits, in which the borders of the deposits and the borders of the land in ownership or possession are depicted

Passport prepared Date: \_\_\_\_ \_\_\_\_\_ 20\_\_

Passport is valid until Date: \_\_\_\_ \_\_\_\_\_ 20\_\_

General Director of the State  
Environmental Service

\_\_\_\_\_  
(given name, surname, signature\*)

Place for a seal\*

Note. \* The document details “signature” and “place for a seal” shall not be completed if the electronic document has been prepared in accordance with the regulatory enactments regarding the drawing up of electronic documents.

Minister for Environmental Protection  
and Regional Development

R. Vējonis

**Limit for the Extraction of Mineral Resources**

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(the name of the deposit of mineral resources)

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(administrative affiliation of the deposit and address (if possible))

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(the user of the subterranean depths)

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(the time period for which a limit for extraction has been allocated)

Type of mineral resources	Unit of measurement	The amount of limit for extraction	Stock category

Appended: Map or plan in which the borders of the deposits of mineral resources and the borders of land in ownership or possession are depicted, for which a limit for the extraction of mineral resources has been allocated, as well as a list of the co-ordinates of the border points of the extraction area in the Latvian co-ordinates system LKS-92 TM.

General Director of the State  
Environmental Service

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(given name, surname, signature\*)

Place for a seal\*

\_\_\_\_\_ 20\_\_\_\_

Note. \* The document details “signature” and “place for a seal” shall not be completed if the electronic document has been prepared in accordance with the regulatory enactments regarding the drawing up of electronic documents.

Minister for Environmental Protection  
and Regional Development

R. Vējonis

### Passport for the Deposit of Ground Water

Name of the deposit \_\_\_\_\_

Type of ground water \_\_\_\_\_

1. Administrative affiliation and address (if possible) \_\_\_\_\_

2. Deposit explored by \_\_\_\_\_  
(who performed the exploration and when)

3. Data for the calculation of operational stocks:

3.1.

Aquifer (geological index)	Rock containing water	Depth of aquifer surface (m)	Total/effective depth of aquifer (m)	Operational interval (m)		Static water level from the surface of the land (m) per year
				from	until	

3.2.

Number of boreholes in the calculation scheme	Borehole debit (m <sup>3</sup> /per 24 hours)		Calculated drop in water level (m)	
	calculated	actual	at the end of the operational period	permissible

4. Operational stocks of ground water

Aquifer	Type of ground water*	Borehole number according to the classification of the Latvian Environment, Geology and Meteorological Centre	Division of stocks by category (m <sup>3</sup> /per 24 hours)	
			A	N

5. Chemical composition of ground water

Chemical composition parameter	Unit of measurement	Aquifer		Notes (for example, the need for purification for specific purposes of use, signs of water pollution)
		from	until	
Dry matter	g/l			

Total hardness		mg-eqv/l		
Total iron		mg/l		
Manganese				
Anions	HCO <sub>3</sub>			
	SO <sub>4</sub>			
	Cl			
Cations	Ca			
	Mg			
	Na			
	C			
pH				
Specific components and parameters				

6. Protective zones of water sources

Aquifer	Stringent regime (radius,m)	Bacterological (area, ha)	Chemical (area, ha)

7. Special area of conservation within the territory of the deposit of ground water

From in.suc.	Special area of conservation	Area (ha)

8. Requirements for ground water monitoring

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9. Additional requirements for the operation of deposits

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10. Appended:

- 10.1. the location of the deposit on a map (plan) in the Latvian co-ordinates system LKS-92 TM system of co-ordinates and the protective zone configuration;
- 10.2. location of borehole in the deposit of ground water on the map (plan) in the Latvian co-ordinates system LKS-92 TM;
- 10.3. hydrological cut of the deposits;
- 10.4. accepted version of ground water abstraction;
- 10.5. the decision of the State limited liability company "Latvian Environment, Geology and Meteorology Centre" regarding acceptance of the stocks of ground water;
- 10.6. application for the anticipated consumption of ground water; and
- 10.7. co-ordination of the protective zones around the place of water abstraction with the relevant branch of the Health Inspectorate.

Passport prepared Date: \_\_\_\_ 20\_\_

Passport is validDate: \_\_\_\_ \_\_\_\_\_ 20\_\_\_\_  
until

General Director of the State  
Environmental Service

---

(given name, surname, signature\*)

Place for a seal\*\*

Notes.

1. \* In accordance with Annex 8 to Cabinet Regulation No. 696 of 6 September 2011, *Procedures for the Issue of Licences for the Use of Subterranean Depths and Authorisations for the Extraction of Widespread Mineral Resources*.

2. \*\* The document details “signature” and “place for a seal” shall not be completed if the electronic document has been prepared in accordance with the regulatory enactments regarding the drawing up of electronic documents.

Minister for Environmental Protection  
and Regional Development

R. Vējonis

**Passport of the Borehole of Water Abstraction**

Merchant \_\_\_\_\_  
(company, registration number and date, telephone and fax number,  
\_\_\_\_\_  
e-mail address, licence number for the use of subterranean depths)

Commissioning party/borehole owner \_\_\_\_\_  
(given name, surname of the natural person  
\_\_\_\_\_  
or name and registration number of the legal person)

**CO-ORDINATED**

State limited liability company "Latvian Environment, Geology and Meteorology Centre"  
Chair of the board \_\_\_\_\_  
(given name, surname, signature\*)

Date: \_\_\_\_ 20 \_\_\_\_ Place for a seal\*

1. Borehole installed from \_\_\_\_\_ until \_\_\_\_\_

2. Borehole address \_\_\_\_\_

3. Co-ordinates system \_\_\_\_\_

3.1. geographical co-ordinates **N latitude** \_\_\_\_\_ **E longitude** \_\_\_\_\_

3.2. co-ordinates of plates in the Latvian co-**X** \_\_\_\_\_ **Y** \_\_\_\_\_  
ordinates system LKS-92 TM

4. Absolute height (m) of borehole opening \_\_\_\_\_

5. Type of drilling \_\_\_\_\_

6. Borehole depth (m) \_\_\_\_\_

7. Drilling diameter:

7.1. \_\_\_\_\_ mm – from \_\_\_\_\_ until \_\_\_\_\_ m.

7.2. \_\_\_\_\_ mm – from \_\_\_\_\_ until \_\_\_\_\_ m.

7.3. \_\_\_\_\_ mm – from \_\_\_\_\_ until \_\_\_\_\_ m.

8. Casing built into borehole:

8.1. \_\_\_\_\_ mm – from \_\_\_\_\_ until \_\_\_\_\_ m.

8.2. \_\_\_\_\_ mm – from \_\_\_\_\_ until \_\_\_\_\_ m.

8.3. \_\_\_\_\_ mm – from \_\_\_\_\_ until \_\_\_\_\_ m.

8.4. \_\_\_\_\_ mm – from \_\_\_\_\_ until \_\_\_\_\_ m.

8.5. casing material \_\_\_\_\_

9. Filter built into borehole \_\_\_\_\_

9.1. diameter \_\_\_\_\_ mm; interval from \_\_\_\_\_ until \_\_\_\_\_ m.

9.2. diameter \_\_\_\_\_ mm; interval from \_\_\_\_\_ until \_\_\_\_\_ m.

9.3. diameter \_\_\_\_\_ mm; interval from \_\_\_\_\_ until \_\_\_\_\_ m.

10. Seals used in borehole \_\_\_\_\_

11. Cementing \_\_\_\_\_

11.1. between the pipes from \_\_\_\_\_ until \_\_\_\_\_ m.

11.2. annular from \_\_\_\_\_ until \_\_\_\_\_ m.

11.3. under shoe from \_\_\_\_\_ until \_\_\_\_\_ m.

Characterisation of the aquifer:

12.1. geological index \_\_\_\_\_

12.2. rocks \_\_\_\_\_

12.3. thickness \_\_\_\_\_ m. interval from \_\_\_\_\_ until \_\_\_\_\_ m.

13. Pumping results:

13.1. pump used \_\_\_\_\_

13.2. date and duration of pumping \_\_\_\_\_

13.3. level above ground level (m) static \_\_\_\_\_ dynamic \_\_\_\_\_

13.4. drop in level (m) \_\_\_\_\_

13.5. debit (l/s) \_\_\_\_\_ particular debit (l/s/m) \_\_\_\_\_

14. Chemical analyses of water:

14.1. analyses performed by \_\_\_\_\_  
(name and accreditation number of laboratory)

14.2. water sample number and date of sampling \_\_\_\_\_

14.3. chemical composition of ground water

Electrical conductivity ( $\mu\text{S}/\text{cm}$ ) (20°C)	pH	Permanganate index (mg/l O <sub>2</sub> ) or organic carbon (mg/l)	Chemical qualities (mg/l)												
			HCO <sub>3</sub> <sup>-</sup>	SO <sub>4</sub> <sup>2-</sup>	Cl <sup>-</sup>	Ca <sup>2+</sup>	Mg <sup>2+</sup>	Na <sup>+</sup>	K <sup>+</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	NO <sub>2</sub> <sup>-</sup>	Fe <sub>kop</sub>	Mn	

15. Bacteriological analyses of water:

15.1. analyses

performed by \_\_\_\_\_

(name and accreditation number of laboratory)

15.2. water sample number and date of sampling \_\_\_\_\_

16. Geophysical exploration works \_\_\_\_\_

17. Conclusions and recommendations \_\_\_\_\_

18. Appended:

18.1. testing report of chemical composition of water;

18.2. report on bacteriological testing of water;

18.3. geological and technical cut of borehole;

18.4. technical regulations issued by the relevant regional environmental board of the State Environmental Service;

18.5. the location of the borehole on a map with a scale of 1:50000 or more;

18.6. the layout of the location of boreholes on a land border plan;

18.7. the calculation of the protective zone;

18.8. a copy of the licence for the use of subterranean depths and the licence conditions;

18.9. a diagram of the geophysical exploration (if geophysical exploration of the borehole has been performed); and

18.10. co-ordination of the protective zones around the place of water abstraction with the relevant branch of the Health Inspectorate.

Performer of work \_\_\_\_\_

(position of the responsible official of the merchant)

(given name, surname, signature\*)

Place for a seal\*

Passport of the borehole of water abstraction prepared on \_\_\_\_\_ 20.\_\_\_\_.

\*\* The document details “signature” and “place for a seal” shall not be completed if the electronic document has been prepared in accordance with the regulatory enactments regarding the drawing up of electronic documents.



**Passport of Sources**

Merchant \_\_\_\_\_  
(company, registration number and date,  
\_\_\_\_\_  
telephone and fax number, e-mail address)

Commissioning party \_\_\_\_\_  
(given name, surname of the natural person  
\_\_\_\_\_  
or name and registration number of the legal person and date)

Type of object (separate source, a group of sources) \_\_\_\_\_

Administrative affiliation of the source and address (if possible) \_\_\_\_\_  
\_\_\_\_\_

**CO-ORDINATED**

State limited liability company "Latvian Environment, Geology and Meteorology Centre"  
Chair of the board \_\_\_\_\_  
(given name, surname, signature\*)

Date: \_\_\_\_ \_\_\_\_\_ 20\_\_

Place for a seal\*

1. Location of source \_\_\_\_\_

2. Co-ordinates: \_\_\_\_\_

2.1. geographical co-ordinates      **N latitude** \_\_\_\_\_ **E longitude** \_\_\_\_\_

2.2. co-ordinates of plates in the Latvian co-ordinates system LKS-92 TM.      X \_\_\_\_\_ Y \_\_\_\_\_

3. Absolute height of source (m) \_\_\_\_\_

4. Characterisation of the aquifer:

4.1. geological index \_\_\_\_\_

4.2. rocks \_\_\_\_\_

4.3. type of source \_\_\_\_\_

5. Characterisation of the group of sources \_\_\_\_\_

6. Debit (l/s) \_\_\_\_\_

7. Chemical analyses of water:

7.1. analyses

performed by \_\_\_\_\_

(name and accreditation number of the laboratory)

7.2. water sample number and date of sampling \_\_\_\_\_

7.3. chemical composition of ground water:

Electrical conductivity (mS/cm) (20°C)	pH	Permanganate index (mg/l O <sub>2</sub> ) or total organic carbon (mg/l)	Chemical qualities (mg/l)												
			HCO <sub>3</sub> <sup>-</sup>	SO <sub>4</sub> <sup>2-</sup>	Cl <sup>-</sup>	Ca <sup>2+</sup>	Mg <sup>2+</sup>	Na <sup>+</sup>	K <sup>+</sup>	NH <sub>4</sub> <sup>+</sup>	NO <sub>3</sub> <sup>-</sup>	NO <sub>2</sub> <sup>-</sup>	Fe <sub>kop</sub>	Mn	

8. Bacteriological analyses of water:

8.1. analyses performed by \_\_\_\_\_

(name and accreditation number of the laboratory)

8.2. water sample number and date of sampling \_\_\_\_\_

9. Date of follow-up \_\_\_\_\_

10. Source catchment \_\_\_\_\_

11. Width (m) of the protective zone of the stringent regime of the source \_\_\_\_\_

12. Recommendations for the use of the source \_\_\_\_\_

13. Historical information regarding the source \_\_\_\_\_

14. Additional information \_\_\_\_\_

15. Appended:

15.1. testing results of source water in outdoor conditions and in the laboratory

15.2. location of the source on a \_\_\_\_\_ scale topographical map;  
(specify the scale)

15.3. layout of the situation.

Passport of source prepared by \_\_\_\_\_  
(position, given name, surname, signature\*)

Passport of source prepared on \_\_\_\_\_20\_\_\_\_.

\*\* The document details “signature” and “place for a seal” shall not be completed if the electronic document has been prepared in accordance with the regulatory enactments regarding the drawing up of electronic documents.

Minister for Environmental Protection  
and Regional Development

R. Vējonis

### Stratification of the Hydrological Cut

No.	Main aquifers, confining beds and weakly permeable deposits	Aquifer complexes
1.	Underground waters (unconfined aquifers) Q	Q
2.	Intermorain artesian water	Q
3.	Middle Jurassic J <sub>2</sub>	
4.	Lower-Triassic weakly permeable deposits T <sub>1</sub>	
5.	Upper Permian P <sub>2</sub>	
6.	Lower-Carboniferous C <sub>1</sub>	
7.	Mūru-Šķerveļa D <sub>3mr-šk</sub>	Famena D <sub>3fm</sub>
8.	Jonišķu-Akmenes D <sub>3jnak</sub>	
9.	Weakly permeable deposits of Elejas water D <sub>3 el</sub>	
10.	Amulas D <sub>3aml</sub>	Pļaviņu-Amulas D <sub>3pl-aml</sub>
11.	Stipinu D <sub>3st</sub>	
12.	Katlešu-Ogres D <sub>3kt+og</sub>	
13.	Daugavas D <sub>3dg</sub>	
14.	Salaspils D <sub>3slp</sub>	
15.	Pļaviņu D <sub>3pl</sub>	
16.	Amatas D <sub>3am</sub>	Arukilas-Amatas D <sub>2-3 ar-am</sub>
17.	Gaujas D <sub>3gj</sub>	
18.	Burtnieku D <sub>2br</sub>	
19.	Arukilas D <sub>2ar</sub>	
20.	Augšnarvas D <sub>2nr<sub>3</sub></sub>	
21.	Narvas confining bed D <sub>2nr<sub>1+2</sub></sub>	
22.	Pērnavas D <sub>2pr</sub>	Lower-Devonian and Middle-Devonian D <sub>1-2</sub>
23.	Rēzeknes D <sub>2rz</sub>	
24.	Ķemeru D <sub>1km</sub>	
25.	Gargždu D <sub>1gr</sub>	
26.	Ordovician-Silurian confining bed O-S	
27.	Deimenas Cm <sub>2dm</sub>	Cambrian Cm
28.	Cirmas Cm <sub>1-2cr</sub>	
29.	Tebras Cm <sub>1-2tb</sub>	
30.	Weakly permeable deposits of Lontovas water Cm <sub>1ln</sub>	
31.	Ventavas Cm <sub>1vn<sup>2</sup></sub>	

32.	Ovišu Cm <sub>1</sub> ov	
33.	Voronkas Vvr	Venda V
34.	Weakly permeable deposits of Kotliņas water Vkt	
35.	Gdovas Vgd	
36.	Krāslavas Vkr	
37.	Archean and Proterozoic basement rock AR-PR	

Minister for Environmental Protection  
and Regional Development

R. Vējonis

### Classification of Aquifers

No.	Geological index of aquifer (complex)	Name	Aquifer indices	
			Index used from 23 October 1987	Index used until 22 October 1987
1.	Q	Underground waters		
2.	Q <sub>1-3</sub>	Intermorainal pressure waters		
3.	J <sub>2-3</sub>	Sea water aquifer	J <sub>2k2+3</sub> , J <sub>2pp</sub> , J <sub>3o</sub>	J <sub>2+1</sub> , J <sub>2k</sub> , J <sub>2o</sub> , J <sub>2pp</sub>
4.	P <sub>2</sub>	Permian aquifer	P <sub>2nk</sub>	P <sub>2nk</sub>
5.	C <sub>1</sub>	Carboniferous aquifer	C <sub>1nc</sub> , C <sub>1pp</sub> , C <sub>1lt</sub>	D <sub>3nc</sub> , D <sub>3pp</sub> , D <sub>3šk</sub> D <sub>3lt</sub>
6.	C <sub>1</sub> -P <sub>2</sub>	Carboniferous-Permian aquifer	C <sub>1nc</sub> , C <sub>1pp</sub> , C <sub>1lt</sub> , P <sub>2nk</sub>	C <sub>1nc</sub> , C <sub>1pp</sub> , C <sub>1lt</sub> , P <sub>2nk</sub>
7.	D <sub>3mr-šk</sub>	Mūru-Šķerveļa aquifer	D <sub>3mr</sub> , D <sub>3tr</sub> , D <sub>3snķ</sub> , D <sub>3žg</sub> , D <sub>3ktl<sub>2+3</sub></sub>	D <sub>3dn</sub> , D <sub>3d</sub> , D <sub>3švt</sub> , D <sub>3svt</sub>
8.	D <sub>3mr-C<sub>1</sub></sub>	Mūru-Carboniferous aquifer	D <sub>3mr</sub> , D <sub>3tr</sub> , D <sub>3snķ</sub> , D <sub>3žg</sub> , D <sub>3ktl</sub> , D <sub>3ktl<sub>2+3</sub></sub> , D <sub>3šk</sub> , C <sub>1</sub>	D <sub>3dn</sub> , D <sub>3d</sub> , D <sub>3švt</sub> , D <sub>3svt</sub> , C <sub>1</sub>
9.	D <sub>3jn-ak</sub>	Jonišķu-Akmenes aquifer	D <sub>3jn</sub> , D <sub>3krs</sub> , D <sub>3ak</sub>	D <sub>3krs</sub> , D <sub>3lb-el</sub> , D <sub>3jn</sub> , D <sub>3zd</sub> , D <sub>3čm</sub>
10.	D <sub>3jn-šk</sub> (D <sub>3fm</sub> )	Jonišķu-Šķerveļa aquifer complex (Famena complex)	D <sub>3šk</sub> , D <sub>3ktl<sub>2+3</sub></sub> , D <sub>3žg</sub> , D <sub>3snķ</sub> , D <sub>3tr</sub> , D <sub>3mr</sub> , D <sub>3ak</sub> , D <sub>3krs</sub> , D <sub>3jn</sub>	D <sub>3dn-el</sub> , D <sub>3kps</sub>
11.	D <sub>3aml</sub>	Amulas aquifer	D <sub>3aml</sub>	D <sub>3aml</sub>
12.	D <sub>3st</sub>	Stipinu aquifer	D <sub>3stp</sub>	D <sub>3bs</sub> , D <sub>3stp</sub>
13.	D <sub>3kt+og</sub>	Katlešu-Ogres aquifer	D <sub>3og</sub> , D <sub>3kt+og</sub>	D <sub>3pm</sub>
14.	D <sub>3dg</sub>	Daugavas aquifer	D <sub>3dg</sub> , D <sub>3dg<sub>3</sub></sub>	D <sub>3br-sm</sub> , D <sub>3alt</sub> , D <sub>3ilm</sub> , D <sub>3sv</sub> , D <sub>3pr</sub>
15.	D <sub>3slp</sub>	Salaspils aquifer	D <sub>3slp</sub>	D <sub>3slp</sub> , D <sub>3sl</sub>
16.	D <sub>3pl</sub>	Pļaviņu aquifer	D <sub>3pl</sub>	D <sub>3pl</sub> , D <sub>3pl<sub>4</sub></sub> , D <sub>3pl<sub>3</sub></sub> , D <sub>3pl<sub>2</sub></sub> , D <sub>3pl<sub>4</sub></sub> , D <sub>3pl<sub>1</sub></sub>
17.	D <sub>3pl+slp</sub>	Pļaviņu-Salaspils aquifer	D <sub>3pl</sub> , D <sub>3slp</sub>	D <sub>3sr</sub>
18.	D <sub>3pl-dg</sub>	Pļaviņu-Daugavas aquifer complex	D <sub>3dg</sub> , D <sub>3slp</sub> , D <sub>3pl</sub>	D <sub>3br-sr</sub>
19.	D <sub>3am</sub>	Amatas aquifer	D <sub>3am</sub>	D <sub>3am</sub> , D <sub>3a</sub>
20.	D <sub>3gj</sub>	Gaujas aquifer	D <sub>3gj</sub> , D <sub>3gj<sub>1</sub></sub> , D <sub>3gj<sub>2</sub></sub>	D <sub>3gj</sub> , gj <sub>2</sub> , gj <sub>1</sub>
21.	D <sub>3gj+am</sub>	Gaujas-Amatas aquifer	D <sub>3gj</sub> , D <sub>3am</sub>	D <sub>3šv</sub>

22.	D <sub>2</sub> br	Burtnieku aquifer	D <sub>2</sub> br	D <sub>2</sub> st
23.	D <sub>2</sub> ar	Arukilas aquifer	D <sub>2</sub> ar	
24.	D <sub>2</sub> ar+br	Arukilas-Burtnieku aquifer	D <sub>2</sub> ar, D <sub>2</sub> br	D <sub>2</sub> tr, D <sub>2</sub> sto, D <sub>2</sub> st
25.	D <sub>2</sub> ar-D <sub>3</sub> gj	Arukilas-Gaujas aquifer complex	D <sub>2</sub> ar, D <sub>2</sub> br, D <sub>3</sub> gj	D <sub>3</sub> šv-D <sub>2</sub> sto
26.	D <sub>2</sub> nr <sub>3</sub>	Narvas aquifer	D <sub>2</sub> nr, D <sub>2</sub> nr <sub>3</sub>	D <sub>2</sub> nr, D <sub>2</sub> nr <sub>3</sub>
27.	D <sub>2</sub> nr+ar	Narvas-Arukilas aquifer	D <sub>2</sub> nr, D <sub>2</sub> ar	D <sub>2</sub> nr, D <sub>2</sub> ar
28.	D <sub>2</sub> pr	Pērnavas aquifer	D <sub>2</sub> pr	D <sub>2</sub> pr
29.	D <sub>1</sub> km	Ķemeru aquifer	D <sub>1</sub> km	D <sub>1</sub> km
30.	D <sub>1</sub> km+D <sub>2</sub> pr	Ķemeru-Pērnavas aquifer	D <sub>1</sub> km, D <sub>2</sub> pr	D <sub>1</sub> km, D <sub>2</sub> pr
31.	Cm-O	Cambrian-Ordovika aquifer complex	O <sub>1</sub> (Varangu hor.), Cm <sub>2</sub> dm, Cm <sub>1-2</sub> cr, Cm <sub>1-2</sub> tb	Cm <sub>2</sub> iž, Cm <sub>2</sub> ts, Cm <sub>1-2</sub> krz
32.	V	Venda aquifer complex	V <sub>vr</sub> , V <sub>gd</sub> , V <sub>kr</sub>	V <sub>vr</sub> , V <sub>gd</sub> , V <sub>kr</sub>

Minister for Environmental Protection  
and Regional Development

R. Vējonis

### Classification of Ground Waters According to Chemical Composition and Specific Properties

1. Type of underground water according to the level of mineralisation and ion content.

No.	Type of ground water	Chlorides	Sulphates	Dry matter
1.1.	freshwater	< 250 mg/l	< 250 mg/l	< 1 g/l
1.2.	sulphate freshwater		>250 mg/l	
1.3.	chloride freshwater	>250 mg/l	< 250 mg/l	
1.4.	sulphate brackish water	SO <sub>4</sub> <sup>2-</sup> (sulphate ions) Cl <sup>-</sup> (chloride ions)		1-3 g/l
1.5.	chloride brackish water	SO <sub>4</sub> <sup>2-</sup> (sulphate ions) Cl <sup>-</sup> (chloride ions)		
1.6.	saline water			3-35 g/l
1.7.	saltwater			>35 g/l

2. Type of ground water according to its specific properties.

No. in suc.	Type of ground water	Specific property*
2.1.	soft freshwater	if hardness does not exceed 4 mequiv/l
2.2.	iron-free freshwater	if Fe <sub>kop</sub> does not exceed 0,2 mg/l
2.3.	freshwater with an increased content of manganese	if the Mn content exceeds 0,05 mg/l
2.4.	freshwater with an increased content of ammonia	if the N/NH <sub>4</sub> <sup>+</sup> content exceeds 0,39 mg/l
2.5.	freshwater with an increased content of organic substances	If the permanganate index exceeds 5 mg O <sub>2</sub> /l or the total content of organic carbon exceeds 5 mg/l
2.6.	sulphate brackish water with a high content of sulphides	if the H <sub>2</sub> S+HS content exceeds 10 mg/l
2.7.	saltwater with an increased content of bromide	if the Br content exceeds 25 mg/l
2.8.	saltwater with an increased content of bromide	if the Br content exceeds 250 mg/l
2.9.	freshwater, hot	if the water temperature exceeds 37°C

Note. \* Shall be indicated if the ground water has this specific property.

Minister for Environmental Protection  
and Regional Development

R. Vējonis

### Act Regarding the Liquidation of a Borehole

Act compiled on \_\_\_\_\_ 20\_\_\_\_

**The user of the  
subterranean depths**

\_\_\_\_\_ (merchant company, registration number and date)

**Licence for the use of  
subterranean depths**

\_\_\_\_\_ (licence number and period of validity)

**Commissioning party for the  
liquidation of a borehole**

\_\_\_\_\_ (given name, surname of the natural person or  
merchant company, registration number)

**1. Information regarding borehole:**

1.1. number/name in the database  
“Boreholes”

1.2. location (administrative  
affiliation, land cadastre  
number)

1.3. co-ordinates in the LKS-92 TM  
system:                    X                    Y

1.4. absolute height of source (m)

1.5. year of installation

1.6. organisation which installed the  
borehole

1.7. type of borehole (for example,  
water supply)

1.8. status of borehole (for example,  
operational, reserve, non-  
operational, unknown)

1.9. casing installed in the borehole  
(interval, diameter, material)

1.10. filter installed in the borehole  
(type and interval)

1.11. aquifer

1.12. owner of the borehole

\_\_\_\_\_ (given name, surname of the natural person or  
merchant company, registration number)

1.13. reason for the liquidation of the  
borehole

**2. Measurements prior to the liquidation of the borehole:**

- 2.1. borehole depth (m) \_\_\_\_\_
- 2.2. pumping results: \_\_\_\_\_
- 2.2.1. pump used \_\_\_\_\_
- 2.2.2. duration of pumping                      commenced \_\_\_\_\_ completed \_\_\_\_\_
- 2.2.3. level above ground level (m)                      static \_\_\_\_\_ dynamic \_\_\_\_\_
- 2.2.4. debit (l/s) \_\_\_\_\_

**3. Ground water analyses:**

- 3.1. date of water sampling \_\_\_\_\_
- 3.2. analyses performed by \_\_\_\_\_  
(name and accreditation number of laboratory)
- 3.3. chemical composition of water \_\_\_\_\_  
(number and date of water sample testing report (chemical analyses according to the requirements of Annex 8 to this Regulation\*))

**4. Liquidation of borehole:**

- 4.1. date of liquidation of borehole                      commenced \_\_\_\_\_ completed \_\_\_\_\_
- 4.2. information regarding materials used and the fill of the borehole (type of material, amount and interval (from/until)) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Appended:** 1. The location of the borehole on a map of Latvian co-ordinates system LKS 92 with a scale of 1:50000 or more.

2. A copy of the plan of the land borders with the location of the borehole.

3. A copy of the borehole packing order.

4. Geologically technical cut of the borehole (indicate the materials to be used during the period of liquidation and the interval of borehole filling).

5. Water sampling report.

6. A copy of the licence for the use of subterranean depths with the licence conditions and work programme.

7. Co-ordination regarding the liquidation of the borehole with the State limited liability company "Latvian Environment, Geology and Meteorology Centre", if the borehole is a source of water borehole or exceeds a depth of 300m.

Commissioning party \_\_\_\_\_  
(position, given name, surname and signature of the official of the merchant or given name, surname and signature of the natural person)

Performer of work \_\_\_\_\_  
(position, given name, surname and signature of the official of the merchant)

Note.\* Cabinet Regulation No.696 of 6 September 2011, *Procedures for the Issue of Licences for the Use of Subterranean Depths and Authorisations for the Extraction of Widespread Mineral Resources.*

Minister for Environmental Protection  
and Regional Development

R. Vējonis

**Licence for the Use of Subterranean Depths**  
No. \_\_\_\_\_

Issued to \_\_\_\_\_  
(name of the local government, merchant company and registration number or  
given name, surname and personal identity number of the natural person)

\_\_\_\_\_  
(type of use of subterranean depths)

\_\_\_\_\_  
(licensed object)

\_\_\_\_\_  
(administrative affiliation of the licensed object and address (if possible))

Licence issued in Rīga \_\_\_\_\_ (date)  
and shall be valid until \_\_\_\_\_ (date)

Appended:

No.	Name of the annex	No. of pages
1.	Conditions of use of subterranean depths	
2.	Map or plan on which the borders of the deposit, the borders of the land parcels in the ownership or lease of the licence addressee, the border of the licence area with border points shall be depicted; a table with the border point co-ordinates in the Latvian co-ordinates system LKS-92 TM, except for the cases referred to in Paragraph 4 of this Regulation* (where necessary).	
3.	Limit for the extraction of mineral resources (where necessary)	

Annexes to the licence shall be an integral part thereof.

General Director of the State  
Environmental Service

\_\_\_\_\_  
(given name, surname, signature\*\*)

Place for a seal\*\*

Notes.

1. \* Cabinet Regulation No.696 of 6 September 2011, *Procedures for the Issue of Licences for the Use of Subterranean Depths and Authorisations for the Extraction of Widespread Mineral Resources*.

2. \*\* The document details "signature" and "place for a seal" shall not be completed if the electronic document has been prepared in accordance with the regulatory enactments regarding the drawing up of electronic documents.

Minister for Environmental Protection  
and Regional Development

R. Vējonis

\_\_\_\_\_  
(name of the local government)

**Authorisation for the Extraction of Widespread Mineral Resources**  
**No. \_\_\_\_\_**

Issued to \_\_\_\_\_  
(merchant company and registration number or given name, surname and personal identity number  
of the natural person)

\_\_\_\_\_  
(name of deposit)

\_\_\_\_\_  
(administrative affiliation of the deposit and address (if possible))

\_\_\_\_\_  
(the type of mineral resources)

Authorisation issued on \_\_\_\_ \_\_\_\_ 20\_\_\_\_  
and shall be valid until \_\_\_\_\_ (date)

Appended:

No.	The name of the annex	No. of pages
1.	Conditions of use of subterranean depths	
2.	Map or plan on which the borders of the deposit, the borders of the land parcels in the ownership or lease of the authorisation addressee, the border of the authorisation area with border points shall be depicted; a table with the border point co-ordinates in the Latvian co-ordinates system LKS-92 TM	
3.	Limit for extraction of mineral resources	

Annexes to the authorisation shall be an integral part thereof.

Representative of the  
local government \_\_\_\_\_

(given name, surname, signature\*)

Place for a seal\*

Note.\* The document details “signature” and “place for a seal” shall not be completed if the electronic document has been prepared in accordance with the regulatory enactments regarding the drawing up of electronic documents.

