

B- Integrated Environmental Permit

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Company Name: Skovin ad Skopje

**Address: Faculty of Mechanical
Engineering**

**Post code and town: P.O Box 464
1000 Skopje**

Permit number

{No}

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Introduction

This introduction does not form a part of the Permit

The following Permit is issued under the Law on Environment (Official Gazette 53/05) to operate an installation carrying out one or more of the activities listed in the Government Decree on "Determining the Installations for which an Integrated Permit is Required and Time Schedule for Submission of Adjustment Plans", to the extent authorised by the Permit.

Brief description of the installation regulated by this permit

Other PPC Permits relating to this installation

Permit holder	Permit Number	Date of Issue
None		

Superseded Licenses/Consents/Authorisations relating to this installation

Holder	Reference Number	Date of Issue
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Communication

If you contact the Body of state administration competent for the execution of the works from the area of environment (further in the text competent authority) about this Permit please quote the Permit Number.

Confidentiality

The Permit requires the Operator to provide information to the competent authority. The Competent authority will place the information onto the municipal registers in accordance with the requirements of the Law on Environment. If the Operator considers that any information provided is commercially or industrially confidential, it may apply to the competent authority to have such information withheld from the register as provided in the Law on Environment. To enable the competent authority to determine whether the information is commercially confidential, the Operator should clearly identify the information in question and should specify clear and precise reasons. The Operator may specify which documents or parts thereof he considers to be commercial and industrial secret pursuant to the Law on Environment, Article 55, Paragraph (2), item 4. The Operator shall state his reasoning for why the competent authority should grant confidentiality. The information and the reasoning for confidentiality shall be presented together with the integrated environmental permit in a separate envelope..

Variations to the permit

This Permit may be varied pursuant to the Law on Environment.

If the Permit authorises the carrying out of a specified waste management activity, a waste management certificate shall be submitted for the person in charge of such activity.

Status Log

Detail	Date	Comment
Application {No.}	Received	
Permit No. {No}	Determined	

Permit

Law on environment

Permit

Permit number

{No.}

The Environment Competent authority (the competent authority) in exercise of its powers under Article 95. of the Law on Environment (Official Gazette No.53/05), hereby authorises **{Name of the company}** ("the Operator"),

Address

Municipality

Postal code City

Country

Company registration number {Reg. No.}

to operate an Installation at

Full name of the installation

Address

Municipality

Postal code City

to the extent authorised by and subject to the conditions of this Permit.

Signed

[name of authorised person]

Authorised to sign on behalf of the Environment Competent authority

Date

Conditions

The permitted installation

1.1.1 The Operator is authorised to carry out the activities and/or the associated activities specified in Table 1.1.1.

Table 1.1.1		
Activity under Annex 2 of the DECREE for determining the activities of the installations requiring an integrated environmental permit, i.e. adjustment permit with an adjustment plan and time schedule for submission of application for adjustment permit with an adjustment plans	Description of specified activity	Limits of specified activity
<p>Directive of IED: 6.4. (b) Treatment and processing ... ii) vegetable raw materials with finished production capacity greater than 300 tonnes per day ... or 600 tonnes per day in a period no more than 90 days</p> <p>Macedonian Decree Annex 2, pt.6.4 b: Capacity 30 – 300 tonnes per day average value in quarterly bases</p>	<p>Processing in Skovin with production capacity of 20.000.000 liters wine per year and 10.000 liters spirit per year 12.000.000 kg grapes</p>	

Add rows if necessary

1.1.2 The activities authorised under condition 1.1.1 shall not extend beyond the Site, being the area outlined on the plan (Table 1.1.2).

Table 1.1.2	
Document	Place in the documentation
	15th Korpus nb. 3 1000 Skopje

1.1.3 The Permitted Installation shall not be brought into operation until the following measures have been completed and the competent authority has been notified in writing of this

Operational Matters

2.1 Management techniques and control

2.1.1 The Permitted Installation shall be operated by staff that is suitably trained and fully conversant with the requirements of this Permit.

2.1.2 The Operator shall designate a person responsible for all environmental issues who will be suitably trained and shall train the rest of the personal.

2.2 Raw materials (including water)

2.2.1 The Operator shall, subject to the conditions of this Permit, use raw materials (including water) as described in the documentation specified in Table 2.2.1, or as otherwise agreed in writing by the Competent authority.

Table 2.2.1 : Raw materials (including water)		
Description	Document	Date Received
Raw materials as defined in Application	Application for adjustment permit with an adjustment plan, Annex...	31.10.2011
Water from ground water and from municipal water pipes	Recommendation 1: Insert daily and annual amount	
Oil (for boiler room)	Recommendation 2: Insert daily and annual amount	
Chemicals	Recommendation 3: Insert daily and annual amount	
Energy	Recommendation 4: Insert daily and annual amount	

2.2.2 The Operator shall provide a safe storage of the raw materials and shall be responsible of the integrity of all storage facilities.

2.3 Waste handling and storage

2.3.1 The Operator shall, subject to the conditions of this Permit, handle and store waste as described in the documentation specified in Table 2.3.1, or as otherwise agreed in writing by the competent authority.

Table 2.3.1: Waste handling and storage		
Description	Document	Date Received
Annex 5	Application for adjustment permit with an adjustment plan	31.10.2011

Description of Waste	Location of Storage on Site	Manner of Storage	Storage Conditions
Municipal waste	Disposal in metal containers	By selection	Overtaken by public company for waste handling or external company
Glass breakage			
Papers			
Oil	Cloased rooms with leakproofed ground		
Plastic			
Metal			
Chemicals	Cloased rooms with leakproofed ground		
Biological waste (stams, grape skins, cores, sludge, filter residues)	Leakproofed ground		

2.4 Waste recovery and disposal

2.4.1 The Operator shall, subject to the conditions of this Permit, recover and dispose of waste as described in the documentation specified in Table 2.4.1, or as otherwise agreed in writing by the competent authority.

Description	Document	Date Received

2.4.2 Only inert waste shall be disposed in the boundaries of the installation.

2.4.3 No discharge of solids and sludge into municipal sewing system because of very high organic load! It always has to bring out into vineyards or has to be composted or external deposit.

2.5 Accident prevention and control

2.5.1 The Operator shall, subject to the conditions of this Permit, prevent and limit the consequences of accidents as described in the documentation specified in Table 2.5.1, or as otherwise agreed in writing by the competent authority.

Table 2.5.1 : Accident prevention and control		
Description	Document	Date Received
Overfilled vessels and bottles	Application for adjustment permit with an adjustment plan, Annex 13	31.10.2011
Outcoming wastewater from fermentation		
Broken vessels, tubes, etc.		

Additional conditions:

2.6

Monitoring

2.6.1 The Operator shall, subject to the conditions of this Permit, carry out, evaluate and assess monitoring as described in the documentation specified in Table 2.7.1, or as otherwise agreed in writing by the competent authority.

Table 2.6.1 : Monitoring		
Description	Document	Date Received
Examination of quality of waste water from the whole production before entering the main sewage or after a full biological waste water treatment plant (before direct discharge into river) from <i>external monitor</i> in the period of main production once a year		
Examination of quality of waste water from the whole production before entering the main sewage or after a full biological waste water treatment plant (before direct discharge into river) in <i>self monitoring</i> (measurement is depending from discharging system)		

2.6.2 The operator will provide:

- a) safe and permanent means of access to enable sampling/monitoring to be carried out in relation to the emission points specified in Schedule 2, unless otherwise specified in that Schedule; and
- b) safe means of access to other sampling/monitoring points when required by the Competent authority.

2.7 **Decommissioning**

2.7.1 The Operator shall, subject to the conditions of this Permit, make provision for decommissioning the installation as described in the documentation specified in Table 2.8.1, or as otherwise agreed in writing by the competent authority.

Table 2.8.1 : Decommissioning		
Description	Document	Date Received

2.8 **Multi-operator installations**

2.8.1 This is not a multi-operator installation, or

2.8.2 This permit is valid only for those parts of the installation as indicated on the map in section 1. 1. 2 of this permit.

Records

- 3.1.1 A record (a "Specified Record") shall be made of:-
- a** any malfunction, breakdown or failure of plant, equipment or techniques (including any short term and long term remedial measures) that may have, has had or might have had an effect on the environmental performance of the Permitted Installation. These records shall be kept in a log maintained for that purpose;
 - b** all monitoring and sampling taken or carried out and any assessment or evaluation made on the basis of such data.
- 3.1.2 All records shall be made available for inspection by the competent authority at any reasonable time:
- 3.1.3 A copy of any Specified or Other Records shall be supplied to the competent authority on demand and without charge.
- 3.1.4 Specified Records and Other Records shall:-
- a** be legible;
 - b** be made as soon as reasonably practicable;
 - c** indicate any amendments which have been made and shall include the original record wherever possible.
- 3.1.5 The Operator shall keep the Specified Records and Other Records for the time of the validity of this Permit and 5 years after its termination.
- 3.1.6 For all waste received at or produced from the Permitted Installation, the Operator shall record (and shall retain such records for the time of the validity and 5 years after its termination)
- a** its composition, or as appropriate, description;
 - b** the best estimate of the quantity produced;
 - c** its disposal routes; and
 - d** the best estimate of the quantity sent for recovery.
- 3.1.7 A record shall be made at the Permitted Installation of any complaints concerning the Installation's effect or alleged effect on the environment. The record shall give the date of complaint, time of complaint, a summary of any investigation and the results of such investigation. Such records shall be made in a log kept for this purpose.

Reporting

- 4.1.1 All reports and notifications required by this Permit shall be sent to the competent authority.
- 4.1.2 The Operator shall report the parameters listed in Table D2 to Schedule 2 as follows:
- a** in respects of the emission points specified;
 - b** for the reporting periods specified in Table D2 to Schedule 2 and for the shape and the content of the forms, the operator and competent authority shall come to an agreement during the time of the negotiations.
 - c** giving the information from such results and assessments as may be required by the forms specified in those Tables; and
 - d** sending the report to the Competent authority within the time of

Notifications

- 5.1.1 The Operator shall notify the competent authority **without delay** of:-
- a** the detection of an emission of any substance which exceeds any limit or criteria in this Permit specified in relation to the substance;
 - b** the detection of any fugitive emission which has caused or may cause pollution unless the quantity emitted is so trivial that it would be incapable of causing pollution;
 - c** the detection of any malfunction, breakdown or failure of plant or techniques which has caused or may have the potential to cause pollution; and
 - d** any accident which has caused or may have the potential to cause pollution.
- 5.1.2 The Operator shall give written notification as soon as practicable, of any of the following
- a** permanent cessation of the operation of any part of or all of the Permitted Installation;
 - b** cessation of the operation of any part of or all of the Permitted Installation for a period, likely to exceed 1 year; and
 - c** resumption of the operation of any part of or all of the Permitted Installation after a cessation notified under 5.1.3(b).
- 5.1.3 The Operator shall notify the following matters to the competent authority, in writing, within 14 days of their occurrence:
- i** any change in the Operator's trading name, registered name or registered office address;
 - ii** a change to any particulars of the Operator's ultimate holding company (including details of an ultimate holding company where the Operator has become a subsidiary);
 - iii** any steps taken with a view to the Operator going into administration, entering into a company voluntary arrangement or being wound up.

Emissions

6.1 Emissions into air

6.1.1 Emissions to air from the emission point(s) specified in Table 6.1.1 shall only arise from the source(s) specified in that Table. (Refer to Site Layout reference No.)

Table 6.1.1: Emission points into air		
Emission point reference/description	Source	Location of emission point

Add rows if necessary

6.1.2 The limits for emissions into air for the parameter(s) and emission point(s) set out in Table 6.1.2 shall not be exceeded in the adequate time period.

6.1.3 The time period from 6.1.2 correspond to those from the accepted adjustment plan/improvement program in Chapter 8 of this permit.

6.1.4 The Operator shall carry out monitoring of the parameters listed in Table 6.1.2, from the emission points and at least at the frequencies specified in that Table.

Table 6.1.2: Emission limits into air					
Parameters	Emission Point reference				Monitoring frequency
	To (date)	From (date)	To (date)	From (date)	
	Value	Value	Value	Value	

Add rows and/or columns if necessary.
 For each emission point separate table.

- 6.1.5 All emissions from the Installation should be free from offensive odour outside the boundary of the Installation.
- 6.1.6 All emissions to air, other than steam or condensed water vapour, shall be free from droplets, from persistent mist and persistent fume.
- 6.1.7 All emissions shall be free from visible smoke. If for reasons of maintenance, emissions of smoke are caused due to re-ignition from cold, this shall be for no longer than a period of 20 minutes in any period of 8 hours and all practical steps must have been taken to minimise the emission.

6.2 **Emissions to land**

6.2.1 There shall be no emission to land. All waste has to be external deposited.

General information: there would be the possibility to bring out (spread out into vineyard) all the biological waste such as solids, (stems, grape skins, cores), sludge from fermentation and filter residues into vineyards.

6.2.2 The Operator shall notify for every unforeseen emission to land.

6.3 Emissions to water [other than emissions to sewer]

6.3.1 The Operator shall, subject to the conditions of this Permit, prevent and limit the consequences of accidents as described in the documentation specified in Table 6.3.1, or as otherwise agreed in writing by the competent authority.

Table 6.3.1 : waste water treatment		
Description	Document	Date Received
Cleaning vessels, tanks, machines, etc.		
Cleaning bottles		
Overfilled water at filling machines		
Conservation with sulfur dioxide, etc.		
Takeover area of the grapes		
Heat exchange water		
Sanitary water		

General Information for the future: all cleaning waters are high organic loaded. It is state of the art in EU to discharge them into municipal sewing systems with treatment in biological wastewater treatment plants. This municipal wastewater treatment plants have to be designed to take the winery wastewater.

It is very difficult to maintain wastewater treatment plants only for winery wastewater.

For the reason that in Macedonia mostly there are no biological treatment plants for waste water it is necessary to discharge all cleaning waters in municipal sewing systems. There will be a biological treatment in the future.

6.3.2 Emissions to water from the emission point(s) specified in Table 6.3.1 shall only arise from the source(s) specified in that Table.

Table 6.3.1: Emission points into water		
Emission Point Reference.	Source	Receiving Water

Add rows and/or columns if necessary

6.3.3 Limits for the emissions to water for the parameter(s) and emission point(s) set out in Table 6.3.2 shall not be exceeded in the adequate time period.

6.3.4 The time period from 6.3.2 correspond to those from the accepted adjustment plan/ improvement program in Chapter 8 of this permit.

6.3.5 The Operator shall carry out monitoring of the parameters listed in Table 6.3.2, from the emission points and at least at the frequencies specified in that Table.

Table 6.3.2: Emission limits into water (direct discharge)			
Recommendation for the future if there would be an own biological treatment plant			
Parameter	Emission limit value	Monitoring Frequency	
		External monitoring	Self monitoring Depending from load of waste water treatment plant Here: 500-5.000 PE
Temperatur	30°C	Once a year in period of high production	Continuously
pH	6,5 – 8,5	Once a year in period of high production	Continuously
Settable substances	0,3 ml/l	Once a year in period of high production	2 times a week
Ammonium NH ₄ -N	5 mg/l at a temperature > 12°C in waste water	Once a year in period of high production	2 times a week
Total Nitrogen N	75 % if the load of the waste water is > 150 kg BOD ₅ /d	Once a year in period of high production	weekly
Total phosporus	1 mg/l	Once a year in period of high production	2 times a week
BOD ₅	20 mg/l	Once a year in period of high production	Weekly in period of high production, otherwise monthly
COD	75 mg/l	Once a year in period of high production	weekly
Water quantity		Once a year in period of high production	Continuously

6.3.6 There shall be no emission into water from the Permitted Installation of any substance prescribed for water for which no limit is specified in Table 6.3.2 except in a concentration which is no greater than the background concentration.

6.3.7 The Operator shall sample and monitor the drainage ditch {specify} at a {specify} frequency.

6.4 Emissions to sewer

6.4.1 Emissions into sewer from the emission point(s) specified in Table 6.4.1 shall only arise from the source(s) specified in that Table.

Table 6.4.1 Emission points into sewer		
Emission point reference	Source	Sewer
Discharging point from whole waste water before entering the main sewage	Whole waste water but no sludge discharging	yes
	Heat exchange water has to be recycled or discharged directly into river under observance the temperature limit	no

6.4.2 The limits for the emissions into sewer for the parameter(s) and emission point(s) set out in Table 6.4.2 shall not be exceeded in the adequate time period

6.4.3 The time period from 6.4.2 correspond to those from the accepted adjustment plan/ improvement program in Chapter 9 of this permit.

Table 6.4.2 Emission limits into sewer		
Parameter	Emission limit value	Monitoring frequency
Temperatur	35°C	Continuously with registration
pH	6,5 – 9,5	Continuously with registration
Settable substances	10 ml/l Maybe higher, if there are no undesirable settlements in sewer	Once a year in period of high production
Sulfit SO ₃	10 mg/l	Once a year in period of high production
BOD ₅	-	Once a year in period of high production
COD	-	Once a year in period of high production
Water quantity		

6.4.4 The Operator shall carry out monitoring of the parameters listed in Tables 6.4.3a and 6.4.3b, from the emission points and at least at the frequencies specified in those Tables.

Table 6.4.3a Monitoring requirements for sewer (up to and including 31/12/01)		
Parameter	Emission point	Emission point
	{Specify frequency and manner}	-
	{Specify frequency and manner}	-
	{Specify frequency and manner}	-
		-
		-
		-

Table 6.4.3b Monitoring requirements for sewer (from dd/mm/yyyy)		
Parameter	Emission point S1	Emission point S2
	{specify frequency}	-
	{Specify frequency and manner}	-
	{Specify frequency and manner}	

6.4.5 There shall be no emission into sewer from the Permitted Installation of any substance prescribed for water for which no limit is specified in Table 6.4.2 except in a concentration, which is no greater than the background concentration.

6.5 **Emissions of heat**

6.6 **Emissions of noise and vibration**

7 Transfer to effluent treatment plant

Improvement programme

8.1.1 The Operator shall complete the measures specified in Table 9.1.1 by the date specified in that Table, and shall send written notification of the date of completion of each measure to the competent authority, at the Reporting Address, within 14 days of the completion of each such measure.

Table 9.1.1: Improvement programme requirements		
Reference	Measure	Date of completion
9.1		

Written agreement to changes

- 9.1.1 When the qualification “or as otherwise agreed in writing” is used in a condition of this Permit, the Operator shall seek such agreement in the following manner:
- a** the Operator shall give the Competent authority written notice of the details of the proposed change, indicating the relevant part(s) of this Permit; and
 - b** such notice shall include an assessment of the possible effects of the proposed change (including waste production) on risks to the environment from the Permitted Installation.
- 9.1.2 Any change proposed according to condition 10.1.1 and agreed in writing by the competent authority, shall not be implemented until the Operator has given the competent authority prior written notice of the implementation date for the change. As from that date, the Operator shall operate the Permitted Installation in accordance with that change, and any relevant documentation referred to in this Permit shall be deemed to be amended.

Schedule 1

Confirmation of condition 5.1.1 notifications, in accordance with condition 5.1.2

This Schedule outlines the information that the Operator must provide to the Competent authority to satisfy condition 5.1.2 of this Permit.

Units of measurement used in information supplied under Part A and B requirements must be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially or industrially confidential, it should be separated from non-confidential information, supplied in a separate envelop and accompanied by reasoning.

Returns should contain

Part A

- Name of Operator.
- Permit Number
- Location of Installation.
- Date information provided.
- Time, date and location of the emission.
- Identity and details of the substance[s] emitted to include:-
 - Best estimate of the quantity or the rate of emission, and the time during which the emission took place.
 - Environmental medium into which the emission took place.
 - Measures taken, or intended to be taken, to stop the emission.

Part B

- Any more accurate information on the matters notified under Part A.
- Measures taken, or intended to be taken, to prevent a recurrence of the incident.
- Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment or harm which has been or may be caused by the emission.
- The dates of any Part A notifications within in the previous 24 months.

- Name Post.....
- Signature Date
- Statement that signatory is authorised to sign on behalf of the Operator.

Schedule 2

Reporting of monitoring data

Parameters, for which reports shall be made, in accordance with conditions 4.1.2 of this Permit, are listed below.

Table D2: Reporting of monitoring data			
Parameter	Emission point	Reporting period	Period begins