

COMHAIRLE CHONTAE NA GAILLIMHE

AIR POLLUTION ACT, 1987

AIR EMISSION LICENCE

**John Madden and Sons Ltd,
Kilmaine Road,
Ballinrobe,
Co. Mayo**

**Reference No.
in Register AP13/20**

Date of grant of licence:

20th October 2020

Galway County Council in exercise of the powers conferred on it by the Air Pollution Act 1987, hereby grants a licence reference number AP13/20 to John Madden and Sons Ltd for atmospheric emissions from their Asphalt Plant through a 18.3m chimney located at Tonroe, Ardrahan, Co. Galway subject to prior treatment with a fabric filter and the conditions set out in the schedule attached:

Signed *20th* day of *October* 2020.

On behalf of Galway County Council

Eileen Ruane

Director of Services

Planning, Environment and Emergency Services

IMPORTANT NOTICE

Any person may, before the expiration of the prescribed period, appeal to the EPA against the grant or refusal of a licence, the conditions attached to a licence or the amendment or deletion of conditions or the attachment of new conditions following review of a licence (See Section 34 of Air Pollution Act, 1987).

The prescribed period as per Article 20 of the Air Pollution Act, 1987 (Licensing of Industrial Plant) Regulations, 1988 is the period of one month beginning on the date of the grant or refusal of the licence or in the case of a decision of the Local Authority following on a review of a licence the date of that decision. (The relevant date is shown above).

An appeal must be made in writing, stating the subject matter of the appeal and the grounds of appeal and must be accompanied by a deposit of €60. The address of the EPA is Environmental Licensing Program, Office of Environmental Sustainability, PO Box 3000, Johnstown castle Estate, County Wexford. The EPA after consideration of any appeal lodged with it, may direct the Local Authority to grant or revoke a licence or to amend or attach conditions relating to it.

Schedule to Licence No. AP13/20

1. Air Emission

- 1.1. The Licensee shall not cause an air emission from the activity or any part thereof which does not comply with the terms and conditions of this licence.
- 1.2. No alteration to, or reconstruction in respect of, the activity or any part thereof shall take place which would, or is likely to, result in a material change or increase in:
 - The nature or quantity of any emission,
 - The abatement/treatment of any emission
 - The site management and control with adverse impact on emissions to air.
- 1.3. The air emission prior to its discharge via the 18.3m chimney, shall comply with the conditions set out in Appendices A.2 and A.3 in (Stack Monitoring Limits)
- 1.4. The quality of the ambient air shall comply with the conditions set out in Appendix A.1 (Ambient Air and Dust Deposition Limit Values)

2. Monitoring of Atmospheric Emission

- 2.1. A programme of monitoring of ambient air and dust in the surrounding area shall be agreed with Galway County Council. The results of this monitoring shall be forwarded to Galway County Council on a quarterly basis.
- 2.2. All abatement, control and monitoring equipment shall be calibrated and maintained, in accordance with the recommendations of the supplier and in agreement with Galway County Council, so that monitoring accurately reflects the emission. Certificates of calibration shall be made available to if requested by Galway County Council
- 2.3. Monitoring and analysis of each emission shall be carried out as specified in Appendices A.1 and A.2 of this license. A report on this monitoring shall be submitted to Galway County Council in both electronic and paper copy at the end of each quarter.
- 2.4. Five representative locations for ambient air monitoring shall be operated by the licensee in accordance with the requirements of Appendix A.1. The location of these sites shall be as shown on map (Figure 7625-2088B). A map of scale 1:500 showing these monitoring locations must be submitted to Galway County Council.
- 2.5. The licensee shall install in a prominent location on the site a windsock, or other wind direction indicator, at a location which will be agreed with Galway County Council.
- 2.6. In the event of malfunction of any continuous/passive monitor, the licensee shall contact Galway County Council as soon as possible and alternative monitoring shall be put in place. Prior agreement for the use of alternative equipment shall be obtained from Galway County Council.
- 2.7. The frequency, methods and scope of monitoring as set out in this license may only be amended with the written agreement of Galway County Council following evaluation of test results.

3. Facility Operation

- 3.1. Activities on site shall not give rise to ambient air or dust deposition values which exceed the limits specified in Appendix A.1 of this license.
- 3.2. The heating boilers shall be operated so as to give a smoke colour less than or equal to shade number 1 on the Ringelmann chart except during start up periods. Such start up periods shall not exceed 30 minutes in any one day.
- 3.3. The temperature of each bitumen tank will be controlled by thermostat and shall be kept below 165 degree celsius at all times. The company shall keep a digital log of the temperature of each tank.
- 3.4. The licensee shall put in place a program, to the satisfaction of Galway County Council for the identification and reduction of fugitive emissions to air.
- 3.5. The licensee shall ensure that all operations on-site shall be carried out in a manner such that air emissions or odours do not result in significant impairment or significant interference with amenities or the environment beyond the site boundary.
- 3.6. The licensee shall provide safe and permanent access to any sampling / monitoring point on the main stack from the dryer drum, and safe access to any other sampling/monitoring point required under this licence by Galway County Council.
- 3.7. The licensee shall provide, operate and maintain emission abatement, treatment and control systems as outlined in Appendix B of this licence.
- 3.8. The noise levels from within the site, measured at noise sensitive locations in the vicinity shall not exceed :
 - a) An L_{ArT} value of 55dB(A) during the period 7:00 to 19:00 hours from Monday to Friday (inclusive) and 8:00 to 14:00 hours on Saturdays.
 - b) An L_{AeqT} value of 45dB(A) at any other time.

4. Notification of Non-Compliance

- 4.1. The Environment Section of Galway County Council must be notified by the licensee as soon as practicable after the occurrence of any of the following:
 - Any malfunction or breakdown of control equipment which is likely to lead to loss of control of abatement systems on site,
 - Any incident giving rise to an emission liable to cause nuisance in the surrounding lands,
 - Any emissions which do not comply with the requirements of this license.
- 4.2. The licensee shall provide a record of any such incident as set out in Condition 4.1 above. This record shall include details of the circumstances giving rise to the incident and all actions taken to minimize the effect on the surrounding environment.
- 4.3. The licensee shall notify Galway County Council immediately concerning any incident which might require off-site emergency response.

5. Reports and Documentation

- 5.1. The licensee shall keep an electronic and paper record of all complaints relating to emissions from the activity. Each record shall give details of the date and time of the complaint, the name of the complainant and the exact nature of the complaint. A record shall be kept of the response to each complaint. The licensee shall submit a report to Galway County Council within two weeks of such complaints, providing the above details.
- 5.2. The licensee shall prepare an annual environmental compliance report for submission before 28th February each year in both electronic and paper format. The format and contents of this report shall be agreed with Galway County Council.
- 5.3. The licensee shall facilitate Galway County Council when it performs audits of the plant by making relevant staff and data available on request.
- 5.4. Provision shall be made for the transfer of environmental information in relation to this license to the computer system of Galway County Council, as may be reasonably requested by Galway County Council.
- 5.5. The Licensee's plant manager or person designated with specific responsibility for this duty shall certify all reports accurate and representative.
- 5.6. The frequency and scope of reporting, as set out in this licence, may be amended with the written agreement of Galway County Council, following evaluation of test results.

6. Annual Contribution

- 6.1. The licensee shall pay Galway County Council a fee of €400 for monitoring of the licence conditions in any one year.
- 6.2. This amount to be paid shall be adjusted annually in accordance with the Consumer Price Index value appertaining at the time when the payment becomes due.
- 6.3. Galway County Council reserves the right to alter the rate of contribution each year in order to take account of the actual cost of monitoring incurred by it in the previous year and estimated for the next year.

7. Changes in ownership

- 7.1. Galway County Council must be notified in writing of any change to company ownership and/or trading name of the licensee.

Appendix A.1
Ambient Air and Dust Deposition Limit Values

Monitoring point: Reference numbers on site location map scale 1:500. (To be submitted)

Location: Ambient air sampling stations No. 1 to No. 5 to be agreed with Galway County Council

| Parameter | Limit Value | Monitoring Requirement |
|---|-------------------------------|------------------------|
| Total dust deposition | 0.35grams/m ² /day | Continuous. |
| Methods of analysis to be submitted to Galway County Council for approval | | |

Protection of Air Quality Standards

The emissions from the plant shall not cause any breach of the Air Quality Standards in the vicinity, as specified in S.I. No. 180 of 2011. "Air Quality Standards Regulations 2011".

Reason: To protect the air quality in the area and ensure compliance with air quality standards.

Appendix A.2: Stack Monitoring Limits

Emission Point Reference: Dryer Drum Exhaust Stack as shown on 1:500 site location map.

| Parameters | Emission Limit Values |
|------------------------------------|------------------------------------|
| Maximum Volume to be emitted | 63,665 Nm ³ per hour |
| Temperature of emission | Maximum temperature of 150 degrees |
| Sulphur Dioxide (SO ₂) | 500 mg/Nm ³ |
| Nitrogen Oxides (NO _x) | 400 mg/Nm ³ |
| Dust | 50 mg/Nm ³ |

Note: The following conditions need to be maintained

| | |
|--------------------------|---|
| Minimum discharge height | 18.3 meters |
| Fuel Type Specification | Light Fuel Oil <1% w/w Sulphur Gas Oil < 0.2% w/w Sulphur Natural Gas |

Appendix A.3: Stack Monitoring

Emission Point Reference: Dryer Drum Exhaust Stack as shown on 1:500 site location map

| Parameter | Monitoring Frequency | Analysis Method |
|-----------------------------------|----------------------|--|
| Dust | Quarterly | An appropriate particulate measuring device. |
| Combustion Efficiency | Quarterly | Flue Gas Analyser on Dry Conditioned Gas |
| Sulphur Dioxide(SO ₂) | Quarterly | Flue Gas Analyser on Dry Conditioned Gas |
| Nitrogen Oxides | Quarterly | Flue Gas Analyser on Dry Conditioned Gas |

Appendix B: Abatement and Treatment Control

Emission Point Reference: Dryer Stack

Description of treatment: Bag house filters

Emission Abatement Monitoring

| Parameter | Monitoring to be carried out | Monitoring equipment |
|-----------|--|------------------------------|
| Dust | Pressure differential across filter bags | Pressure indicator and alarm |

Emission Abatement Equipment

| Parameter | Equipment | Equipment backup |
|-----------|-------------|--|
| Dust | Bag filters | Spare bag filter available at all times. |

