

Remenham Farm Residents Association

Summer Events 2012

Event Noise Compliance Report

Document No. CH/ENCR/2012/17

Three Spires Acoustics Ltd

September 2012

DOCUMENT CONTROL

Event Noise Compliance Report	
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TABLE OF CONTENTS

1.	INTRODUCTION.....	5
1.1.	OBJECTIVES	5
2.	EVENTS & SITE.....	5
3.	CRITERIA.....	6
3.1.	LICENSING ACT 2003	6
3.2.	PUBLIC NUISANCE	6
3.3.	CONDITIONS.....	7
3.4.	CODE OF PRACTICE ON ENVIRONMENTAL NOISE CONTROL AT CONCERTS.....	7
4.	LICENCE CONDITONS	7
5.	SURVEY & RESULTS.....	9
5.1.	AMBIENT & BACKGROUND NOISE ASSESSMENT	9
5.2.	EVENT MONITORING 2012	9
5.3.	REWIND FESTIVAL	11
6.	ASSESSMENT.....	11
6.1.	HENLEY REGATTA.....	12
6.2.	OTHER EVENTS.....	12
6.3.	REWIND FESTIVAL	12
7.	REWIND FESTIVAL – RECOMMENDATIONS	12
7.1.	PREMISES LICENCE REVIEW.....	12
7.2.	PROPOSED CONDITIONS	13
7.3.	ACOUSTIC CONSULTANT	13
7.4.	NOISE MANAGEMENT.....	13
7.5.	MUSIC NOISE LEVELS	13
7.6.	SOUND CHECKS & REHEARSALS	13
7.7.	MUSIC TIMES.....	14
8.	HENLEY REGATTA & OTHER COPAS EVENTS – RECOMMENDATIONS	14
8.1.	AMENDED NOSIE MANAGEMENT PLAN	14
8.2.	PREMISES LICENCE CLARIFICATION	14
9.	OLD BLADES – RECOMMENDATIONS.....	14
10.	CONCLUSION.....	15
	APPENDIX A – SITE PLAN & MEASUREMENT LOCATION.....	16
	APPENDIX B – RESULTS	18
	APPENDIX C – GLOSSARY OF TERMS	28

LIST OF FIGURES

FIGURE 1: TIME HISTORY RESULTS – REWIND FESTIVAL 11

FIGURE 2: AERIAL PHOTOGRAPH REMENHAM VILLAGE MEASUREMENT LOCATIONS 16

FIGURE 3: AERIAL PHOTOGRAPH REMENHAM VILLAGE & REWIND FESTIVAL MEASUREMENT LOCATIONS 17

FIGURE 4: - HENLEY REGATTA- REMENHAM FARMHOUSE TIME HISTORY PROFILE 27/06/2012 22

FIGURE 5: - HENLEY REGATTA- REMENHAM FARMHOUSE TIME HISTORY PROFILE 28/06/2012 22

FIGURE 6: HENLEY REGATTA- REMENHAM FARMHOUSE TIME HISTORY PROFILE 29/06/2012 23

FIGURE 7: - HENLEY REGATTA- REMENHAM FARMHOUSE TIME HISTORY PROFILE 30/06/2012 23

FIGURE 8: HENLEY REGATTA- REMENHAM FARMHOUSE TIME HISTORY PROFILE 01/07/2012 24

FIGURE 9: HENLEY REGATTA- CHERWELL - TIME HISTORY PROFILE 29/06/2012 24

FIGURE 10: - FIGURE 11: HENLEY REGATTA- CHERWELL - TIME HISTORY PROFILE 30/06/2012 25

FIGURE 12: - FIGURE 13: HENLEY REGATTA- CHERWELL - TIME HISTORY PROFILE 30/06/2012 25

LIST OF TABLES

TABLE 1: COPAS EVENTS 2012..... 5

TABLE 2: CODE OF PRACTICE GUIDELINE VALUES..... 7

TABLE 3: AMBIENT NOISE MEASUREMENT SUMMARY (DBA)..... 9

TABLE 4: EVENT MNL COMPLIANCE TABLE 10

TABLE 5: - PRIVATE WEDDING OPPOSITE TEMPLE ISLAND- REMENHAM MANOR NOISE MEASUREMENT RESULTS & CHART 18

TABLE 6: - PRIVATE WEDDING OPPOSITE TEMPLE ISLAND- REMENHAM MANOR NOISE MEASUREMENT RESULTS & CHART 19

TABLE 7: - WOMEN’S REGATTA – CHERWELL- NOISE MEASUREMENT RESULTS & CHART..... 20

TABLE 8: - PRIVATE WEDDING OPPOSITE TEMPLE ISLAND- REMENHAM MANOR NOISE MEASUREMENT RESULTS & CHART 21

TABLE 9: TIME HISTORY RESULTS- REMENHAM MANOR - REWIND FESTIVAL 18TH & 19TH AUGUST 2012 26

TABLE 10: OTHER OFFSITE MEASUREMENTS - REWIND FESTIVAL 18TH & 19TH AUGUST 2012 27

TABLE 11: OTHER PUBLIC NUISANCE ISSUES REPORTED BY REMENHAM RESIDENTS 27

1. INTRODUCTION

Three Spires Acoustics Ltd have been commissioned by Remenham Farm Residents Association to undertake a music noise compliance assessment of events run by The Copas Partnership and the Rewind Festival during the summer season 2012. The Residents Association is concerned that noise from events has caused significant disturbance in previous years and may not be complying with the premises licence conditions issued by Wokingham Borough Council.

This report presents the findings of the assessment along with recommendations regarding possible future actions.

1.1. OBJECTIVES

- To determine the A-weighted and octave band, L_{90} , and L_{eq} ambient and background noise at residential properties in the absence of entertainment noise.
- To undertake measurements of event music noise and assess against the music noise Premises Licence Conditions.
- To make recommendations regarding future actions

2. EVENTS & SITE

Remenham Village is located close to the River Thames just outside Henley and consists of a number of residential properties, Parish Hall and Remenham Church as well as Remenham Farm.

There are several events held on land owned by the Copas Partnership which affect Remenham Village. Table 1 below details the scheduled events held during 2012.

Table 1: Copas Events 2012

Date	Event	Monitoring Location	Monitoring
21 April-	Private wedding - adjacent to Temple Island.	Remenham Manor	Unattended
9 June -	Private wedding - adjacent to Temple Island.	Remenham Manor	Unattended
15-17 June	Henley Women's Regatta.	Cherwell	Unattended
27 June - 1 July -	Henley Royal Regatta.	Cherwell	Attended Sat 30th
4 August -	Private wedding - adjacent to Temple Island.	Remenham Manor	Unattended
17-19 August -	Rewind Festival.	Remenham Manor	Attended

Aerial photographs detailing the location of the Barn Bar Stage, Rewind Festival and measurement positions are presented in figure 2 & 3 of Appendix A.

3. CRITERIA

3.1. LICENSING ACT 2003

The Licensing Act 2003 established a single integrated scheme for licensing premises, which are used for the supply of alcohol, to provide regulated entertainment or to provide late night refreshment. Authorisation to carry on some or all of these licensable activities is now contained in a single license – The Premises License.

The legislation focuses on four clear objectives;

- The Prevention of Crime & Disorder
- Public Safety
- The prevention of public nuisance
- The protection of children from harm

With regard to the prevention of public nuisance, the applicant must demonstrate within their operating schedule the means they intend to employ to meet the objective. Local Authority “responsible authorities”, typically environmental health departments, when noise is being considered, must have regard to the objective when considering making a representation.

3.2. PUBLIC NUISANCE

Other persons (formerly interested parties) and responsible authorities may make representations based on the public nuisance objective. The Act or Guidance does not define public nuisance, although the Guidance states that licensing authorities should adopt the “broad common law” meaning. In summary, the common law says that public nuisance means:

- Any nuisance is “public” which materially affects the reasonable comfort and convenience of the life of a class of her Majesty’s subjects.
- Public nuisance is a nuisance which is so widespread in its range and indiscriminate in its effect that it would not be reasonable to expect one person to take proceedings on his own to put a stop to it; but that it should take on the responsibility of the community at large.
- The question whether the local community within that sphere comprises a sufficient number of persons to constitute a class of the public is a question of fact in every case;
- A sufficiently large collection of private nuisances, to more than one person/household, can be a public nuisance
- Nuisance is assessed in terms of frequency of event, duration, time of day, absolute level, etc. and must materially unreasonably affect the ordinary use of property.

Therefore, with respect to the promotion element of the public nuisance objective, applicants and responsible authorities should place restrictions/conditions to ensure that noise from regulated entertainment is just below the threshold for public nuisance.

3.3. CONDITIONS

Associated guidance which accompanied the Licensing Act 2003 states, that each application must be considered on its own merits and any conditions attached to licences and certificates must be tailored to the individual style and characteristics of the premises and events concerned and as such standardised conditions should be avoided

Conditions must be appropriate to promote one or more of the four licensing objectives. Such conditions must also be expressed in unequivocal and unambiguous terms to avoid legal dispute. Conditions must be precise and proportionate and should avoid duplication of existing legislation such as Health & Safety at Work etc Act 1974 and Environmental Protection Act 1990.

3.4. CODE OF PRACTICE ON ENVIRONMENTAL NOISE CONTROL AT CONCERTS

This Code of Practice addresses environmental noise control at concerts and similar large music events involving high powered amplification when held in sporting stadia, arenas, open air sites and within lightweight buildings. Various guidelines and criteria are described.

For events held between 0900 and 2300 the Music Noise Level (MNL) when assessed at the prediction stage or measured during sound checks or concerts should not exceed.

Table 2: Code of Practice Guideline Values

Concert days per Year	Venue Category	Guideline
1 to 3	Urban Stadia & Arenas	The MNL should not exceed 75dB(A) over a 15minute period
1 to 3	Other Urban & Rural Venues	The MNL should not exceed 65dB(A) over a 15minute period
4 to 12	All Venues	The MNL should not exceed the background noise level by more than 15dB(A) over a 15 min period

The Music Noise Level (MNL) value is the LAEQ,15minute, due to music measured at a distance of 1 meter from the facade of any noise sensitive premises

4. LICENCE CONDITONS

The Premise Licence Conditions regarding music noise issued by Wokingham District Council in 2007 are presented below;

1. All amplified speech, music or sound emitted from the premises should not be audible within the nearest noise sensitive premises with the windows open in a manner typical for ventilation before 11.00H or after 23.00H on any day, except for race commentaries at rowing events, but in any event not more than 30 minutes before the first race.

For all other forms of public address, no speaker shall be placed upstream of a point 100 metres north of the northern boundary of Remenham Manor.

2. On not more than 6 days (of which no more than 3 shall be outside the Henley Royal Regatta) the Music Noise Level (MNL) should not exceed 65 dB (A) measured over a 15 minute period at 1 metre from the façade of the nearest noise sensitive premise, between the hours of 11.00H and 23.00H; on every other night the MNL shall be adequately controlled so as to ensure that the MNL shall not at one metre from the façade of the nearest noise sensitive premises exceed the background noise level by more than 15 dBA over a 15 minute period throughout the duration of the event. The background noise level shall be taken as the prevailing sound level at a location, measured in terms of the L A90.T, on an equivalent day and at an equivalent time when no concerts or sound checks are taking place.
3. For activities arising out of and in connection with the setting up and dismantling of temporary structures, plus the delivering and assembling of equipment within the premises and similar associated activities, the sound shall be adequately controlled to ensure that, so far as is reasonably practicable, no undue disturbance is caused to the occupiers of residential premises in the vicinity. This will be made a condition of work of any employee, contractor or subcontractor on the premises. Save for the week of the Henley Royal Regatta, matters beyond the licensee's control and exceptional circumstances, such activities shall not take place earlier than 07.00H or later than 23.00H where use is made of the Remenham Farm Buildings entrance.

INFORMATIVE : the sound to be controlled shall include the warnings emitted from reversing vehicles.

4. The management should ensure that all persons including staff attending functions should leave the premises as quickly and safely as possible at the end of any event. This is with the exception of those involved with night security, necessary site staff and those camping on site and is subject to the opening hours of the premises section earlier in this licence.
5. The provisions contained in this section (d) Prevention of Public Nuisance shall apply equally to any activity on the premises permitted by Temporary Event Notices.
6. The Copas Partnership shall:
 - i. provide details at the principal entrance to the Premises, in a conspicuous position, of the telephone number to ring in the event of any enquiry or complaint concerning the event;
 - ii. ensure that a responsible person is available to receive and respond to complaints at all times the premises are open to the public;
 - iii. make arrangements for details of the caller and the time, date, substance of the complaint and any steps taken at the time or proposed thereafter to address that complaint, to be recorded;
 - iv. arrange that periodic and regular observation shall be undertaken at or near the boundary to ensure compliance with the noise limits specified in conditions (d) (3) - (5) above and the observations entered into a log book which shall be made available for inspection .

5. SURVEY & RESULTS

5.1. AMBIENT & BACKGROUND NOISE ASSESSMENT

Unattended ambient noise monitoring was undertaken on three separate occasions in 2011 and 2012. Table 3 below summarise the results of the measurements. Measurements were taken 1m from the facade of the Remenham Farm Barn and Remenham Manor. Attended observations were made at the beginning and end of the survey. It is considered that the acoustic environment consists of wind noise, bird song, farm activities and occasional overflying aircraft.

Table 3: Ambient Noise Measurement Summary (dBA)

Location	Date	Time	LAeq,T dB(A)	LA90,T dB(A)
Remenham Farm Barn	14/06/2011	19.00-23.00	46	33
Remenham Manor	04/05/2012	19.00-23.00	41	36
Remenham Manor	04/08/2012	19.00-23.00	41	34

The average background level is 35dB(A) L90,4hour, therefore the maximum MNL outside the 6 event criteria of 65dB(A) will be 50dB(A) LAeq,15minute

5.2. EVENT MONITORING 2012

A combination of attended & unattended noise monitoring was undertaken during the 2012 events.

Measurements were obtained using the following instrumentation complying with the Type 1 specification of IEC 60651, IEC 61260 and IEC 61672;

2 x Bruel & Kjaer 2250 sound analysers (Serial Number 2505888 & 2764958)

Bruel & Kjaer 4231 Field calibrator (Serial Number 3001533)

The equipment was calibrated using a 4231 field calibrator both before and after each survey and no significant drift was observed. Full calibration certificates are available upon request. The analysers were set to record various parameters including broadband and statistical A-weighted and octave band sound pressure levels including L10, L90, Leq and Lmax. Measurements were simultaneously made of 1 second and 1 minute periods.

Weather conditions and wind were both noted and were favourable throughout each site survey period.

Audio capture was also enabled at a triggered threshold level in order to enable subsequent post measurement analysis to determine the exact nature of noise events.

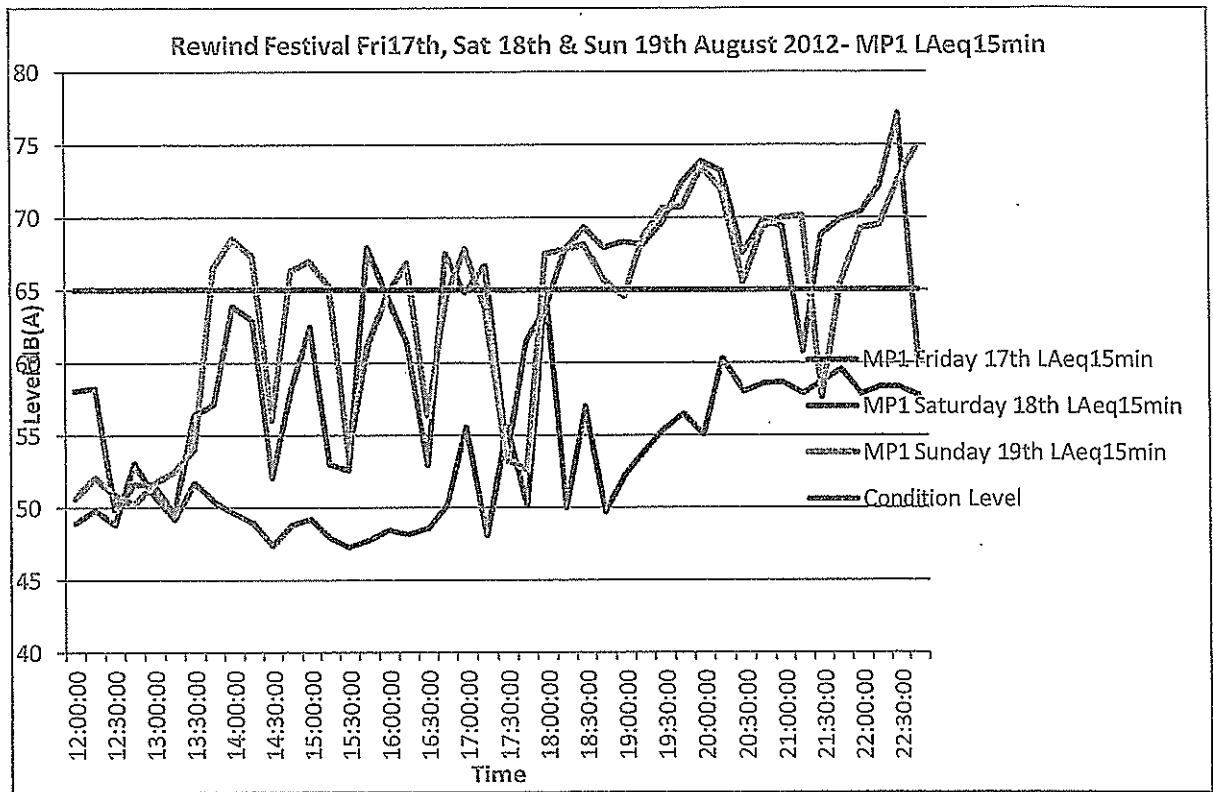
Table 4 summarises the ambient noise assessment measured levels. A full set of measurement data is presented in Appendix B.

Table 4: Event MNL Compliance Table

Event	Date	Location	MNL Compliant
Private Wedding	21/04/2012	Remenham Manor	Yes
Private Wedding	09/06/2012	Remenham Manor	Yes
Women's Regatta	16/06/2012	Cherwell	Yes
Henley Regatta	27/06/2012	Remenham Farm House & Cherwell	Yes
Henley Regatta	28/06/2012	Remenham Farm House & Cherwell	Yes
Henley Regatta	29/06/2012	Remenham Farm House & Cherwell	Yes
Henley Regatta	30/06/2012	Remenham Farm House & Cherwell	Minor Non Compliance
Henley Regatta	01/07/2012	Remenham Farm House & Cherwell	Yes
Private Wedding	05/08/2012	Remenham Manor	Yes
Rewind Festival	18/08/2012	Remenham Manor & Old School House	No
Rewind Festival	19/08/2012	Remenham Manor & Old School House	No

5.3. REWIND FESTIVAL

Figure 1: Time History Results – Rewind Festival



With regard to the Rewind Festival, the results of the noise monitoring indicate that for both Saturday 18th and Sunday 19th August 2012, MNL's exceed the condition level requirement for a significant proportion of the events and by a significant level above that required by the premises licence. Periodic measurements at the boundary of the Old School House also indicated that the MNL was in excess of the condition requirement.

6. ASSESSMENT

6.1. EVENT DAYS AT 65DB(A)

The Copas premises licence includes the following extract regarding events;

“On not more than 6 days (of which no more than 3 shall be outside the Henley Royal Regatta) the Music Noise Level (MNL) should not exceed 65 dB (A) measured over a 15 minute period at 1 metre from the façade of the nearest noise sensitive premise, between the hours of 11.00H and 23.00H”

It is understood that there is an agreement from the Copas Partnership regarding the Rewind Festival, which states that 2 days of the Rewind Festival will be subtracted from the 6 allowed events days at 65dB(A) reducing the Regatta days at 65dB(A) to four. This is confirmed in a letter from Sarah Copas dated 6th June 2012.

There have been five Regatta events days in 2012 within the 65dB(A) allocation and therefore this is not in accord with the said agreement.

6.2. HENLEY REGATTA

The monitoring results undertaken at Remenham Farm House and Cherwell indicate that for the vast majority of time MNL's were compliant with the premises licence conditions. We have been informed by Mr Halsall, owner of Cherwell that music noise from the event held at Old Blades caused considerable disturbance on Tuesday 26th June and Sunday 1st July, this is when monitoring was not being undertaken. We understand from Wokingham BC that this site has a separate premises licence and we have requested a copy of this to review.

6.3. OTHER EVENTS

The monitoring results for other private functions held on Copas Partnership land, largely undertaken at Remenham Manor, indicate that MNL's were compliant with the premises licence condition requirements. Table 12 in Appendix B includes details of resident's description of other noise and public nuisance issues which have affected them during this summer's events.

6.4. REWIND FESTIVAL

We understand that at the 2011 Rewind Festival there were a significant number of MNL breaches and that Wokingham BC formally wrote to the promoter to bring matters to their attention in order that the 2012 event would be better controlled. It would seem that there has been a failure in control procedures which allowed music noise to be in breach of the condition requirements. Breaches were on both days of the event, were for significant periods totalling over eleven hours and in excess of the MNL by up to 10dB(A), which is a perceived doubling of the noise level.

We understand that the Rewind Festival has a separate premises licence to that of the Regatta and other events, we have requested a copy from Wokingham BC for review purposes.

7. REWIND FESTIVAL – RECOMMENDATIONS

7.1. PREMISES LICENCE REVIEW

"Other persons" formerly interested parties, such as residents may seek a review of the premises licence under one or more of the four licensing objectives.

The licensing authority has a range of powers which it may exercise on determining a review, where it considers them appropriate for the promotion of the licensing objectives.

- o Issue informal warning
- o Modify conditions of the licence
- o Exclude a licensable activity
- o To revoke the licence

Where responsible authorities such as environmental health have already issued a warning requiring improvement, that have failed as part of their own stepped approach to address concerns, licensing authorities should not merely repeat that approach and should take this into account when considering what further action is appropriate.

Remedial action should be directed at the cause of the failure to comply with the objectives and should be no more than an appropriate and proportionate response.

7.2. LOCAL AUTHORITY ACTION

The Local Authority also undertook monitoring during the event and it is assumed that they will have measured MNL's which exceeded the condition requirement. They therefore have the power to take formal action for a breach of the Premises Licence condition and /or to call a premises licence review. The range of exceedence is significant in terms of level and time and therefore there would be little doubt that there was an absolute breach of condition.

7.3. PROPOSED CONDITIONS

It is recommended that other parties or responsible authorities apply to review the licence, and amend the licence conditions to include the following.

7.4. ACOUSTIC CONSULTANT

The licence holder shall appoint a suitably qualified and experienced noise control consultant, no later than 3 months prior to the event. The noise control consultant shall liaise between all parties, including the Licence holder, Promoter, sound system supplier, sound engineer and the licensing authority & environmental health department on all matters relating to noise control prior to and during the event.

7.5. NOISE MANAGEMENT

A Noise Management Plan (NMP) shall be submitted to the Licensing Authority at least 2 months prior to the event taking place or as part of the premises licence application. The NMP shall include as a minimum the following information;

- i. The proposed MNL's, and locations
- ii. Music noise times and durations
- iii. Noise check and rehearsal times and durations
- iv. Noise control procedures and MNL monitoring
- v. Complaints monitoring and action
- vi. Compliance report to be submitted to the LA within 14days of the finish of the event.

7.6. MUSIC NOISE LEVELS

The control limits set at the mixer position shall be adequate to ensure that Music Noise Level (MNL) between 10.00-23.00 shall not at the following representative locations (See attached map for indicative purposes)

- i. Remenham Manor facing onto event arena
- ii. Old School Cottages facing event arena.
- iii. The Reach
- iv. Other to be agreed with the Local Authority

exceed 65dB(A) and 82dB(C) over a 15 minute period throughout the duration of the concert and/or rehearsal or sound check. A proxy position maybe used within an appropriate predicted level.

7.7. SOUND CHECKS & REHEARSALS

Rehearsals and sound checks are permitted only between the following hours:
10.00 hours to 17.00.hours the day before the event takes place

3 hours on performance days

7.8. MUSIC TIMES

Music noise from the event is permitted only between the following hours:

10.00 hours to 23.00 hours

8. HENLEY REGATTA & OTHER COPAS EVENTS – RECOMMENDATIONS

8.1. AMENDED NOISE MANAGEMENT PLAN

It is recommended that the Copas Partnership provide an amended Noise Management Plan as part of a premises licence minor variation. The amended NMP would include full details of the music control measures that would be undertaken during all events, compliance monitoring and reporting and complaints handling.

8.2. EVENTS DAYS AT 65DB(A)

The Copas Premises Licence and the Rewind Premises Licence allow a total of 9 days at which music noise levels can be at 65dB(A) LAeq,15minute. There is a further condition under the Copas Licence to ensure the MNL on all other event days is no more than 15dB(A) above the background noise level.

The above allocation is in excess of the Code of Practice of Environmental Noise Control from Concerts which sets a threshold number of three events at 65dB(A) for rural venues. The MNL level then decreases to 15dB(A) above background for 4-12 event days.

Although the informal agreement to set aside two events days from the Copas licence for the Rewind Festival has no legal basis it was nevertheless breached in 2012.

It is recommended that this arrangement is formalised to the satisfaction of all parties using a minor variation, such that a maximum number of 6 days at 65dB(A) LAeq,15min should be shared between the Copas Licence and the Rewind licence.

9. OLD BLADES – RECOMMENDATIONS

We recommend that the Old Blades premises licence is amended via a minor variation to ensure that the same requirements for music noise control that the Copas Partnership must adhere to are imposed on Old Blades.



10. CONCLUSION

Three Spires Acoustics have undertaken a music noise compliance assessment of events run by The Copas Partnership & Rewind Festival during the summer season 2012. The Remenham Farm Residents Association is concerned that music noise from events has caused significant disturbance in past years and may not be complying with the Premises Licence Conditions issued by Wokingham Borough Council.

The results of the assessment indicate that music noise from the Henley Regatta and other Copas events were mainly compliant with the premises licence conditions, however the numbers of event days at prescribed Music Noise levels were not in accord with the agreed allowance.

Monitoring of the Rewind Festival indicated that there were significant breaches of the Music Noise Level requirements.

There are also concerns from residents that the Old Blades event is causing significant disturbance and the current conditions are not consistent with other equivalent venues.

Recommendations have been made with regard to future actions that the Residents Association may take in order to reduce the cumulative impact upon Remenham Village residents and to bring a more consistent approach to all the premises licences.

APPENDIX A – SITE PLAN & MEASUREMENT LOCATION

Figure 2: Aerial Photograph Remenham Village Measurement Locations

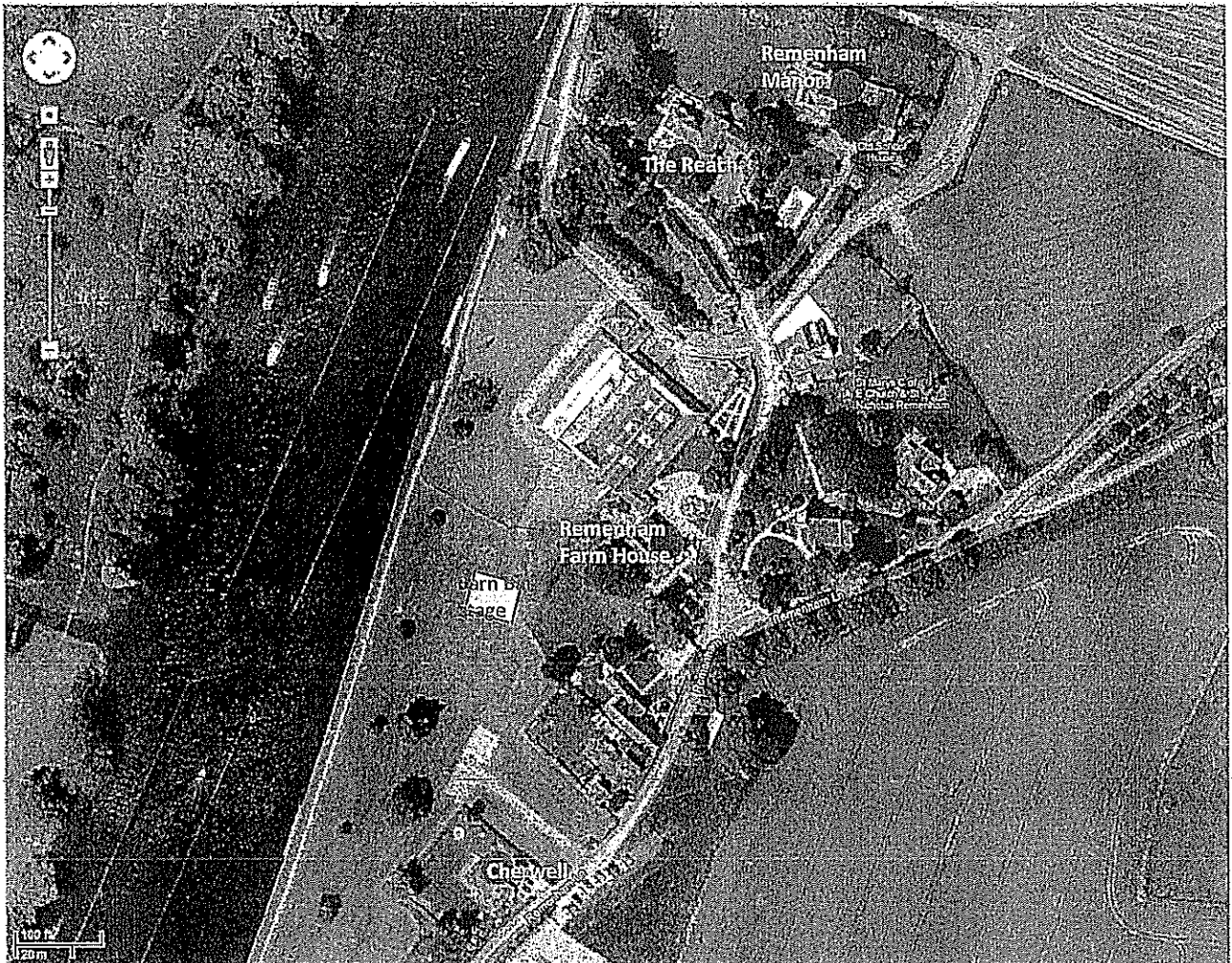
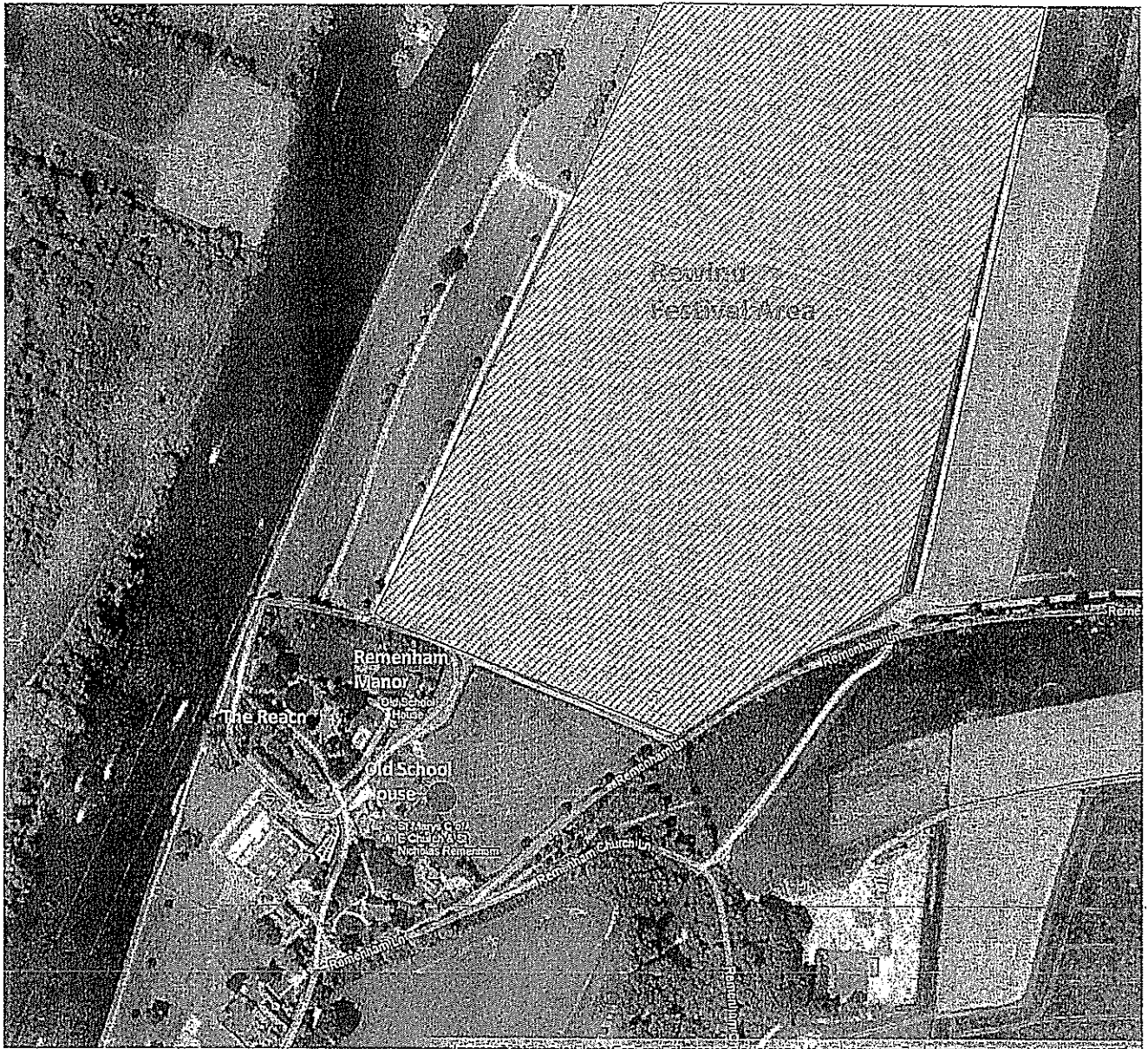


Figure 3: Aerial Photograph Remenham Village & Rewind Festival Measurement Locations



APPENDIX B – RESULTS

Table 5: - Private Wedding Opposite Temple Island- Remenham Manor Noise Measurement Results & Chart

Start time	End time	Duration	L _{Aeq} [dB]	Proposed Condition MNL
21:00:00	21/04/2012 21:15:00	0:15:00	49	50
21:15:00	21/04/2012 21:30:00	0:15:00	46	50
21:30:00	21/04/2012 21:45:00	0:15:00	50	50
21:45:00	21/04/2012 22:00:00	0:15:00	51	50
22:00:00	21/04/2012 22:15:00	0:15:00	49	50
22:15:00	21/04/2012 22:30:00	0:14:00	48	50
22:30:00	21/04/2012 22:45:00	0:15:00	50	50
22:45:00	21/04/2012 23:00:00	0:15:00	51	50

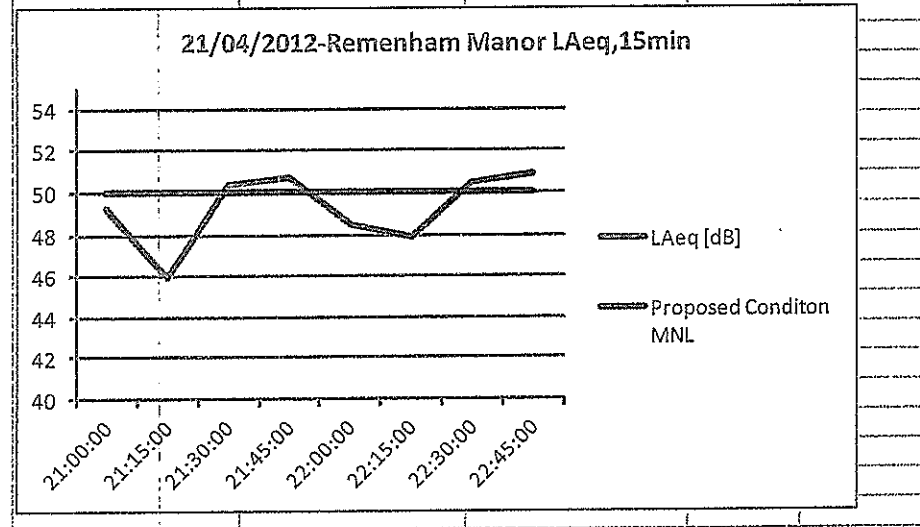
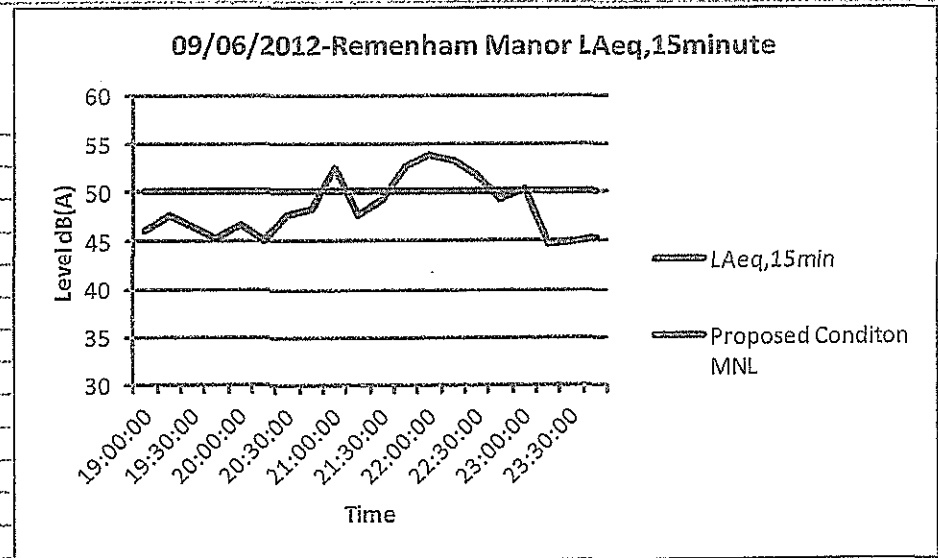


Table 6: - Private Wedding Opposite Temple Island- Remenham Manor Noise Measurement Results & Chart

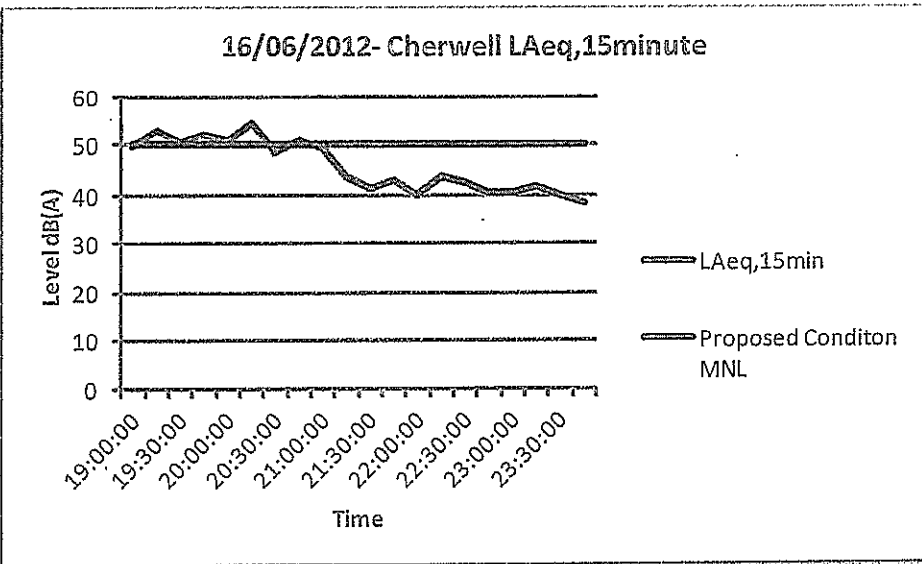
Start date	Start time	LAeq,15 min	Proposed Condition MNL
09/06/2012	19:00:00	46	50
09/06/2012	19:15:00	48	50
09/06/2012	19:30:00	46	50
09/06/2012	19:45:00	45	50
09/06/2012	20:00:00	47	50
09/06/2012	20:15:00	45	50
09/06/2012	20:30:00	48	50
09/06/2012	20:45:00	48	50
09/06/2012	21:00:00	52	50
09/06/2012	21:15:00	48	50
09/06/2012	21:30:00	49	50
09/06/2012	21:45:00	53	50
09/06/2012	22:00:00	54	50
09/06/2012	22:15:00	53	50
09/06/2012	22:30:00	52	50
09/06/2012	22:45:00	49	50
09/06/2012	23:00:00	50	50
09/06/2012	23:15:00	45	50
09/06/2012	23:30:00	45	50
09/06/2012	23:45:00	45	50



51

Table 7: - Women's Regatta – Cherwell- Noise Measurement Results & Chart

Start date	Start time	LAeq,15 min	Proposed Condition MNL
16/06/2012	19:00:00	50	50
16/06/2012	19:15:00	53	50
16/06/2012	19:30:00	50	50
16/06/2012	19:45:00	52	50
16/06/2012	20:00:00	51	50
16/06/2012	20:15:00	54	50
16/06/2012	20:30:00	49	50
16/06/2012	20:45:00	51	50
16/06/2012	21:00:00	49	50
16/06/2012	21:15:00	44	50
16/06/2012	21:30:00	41	50
16/06/2012	21:45:00	43	50
16/06/2012	22:00:00	40	50
16/06/2012	22:15:00	44	50
16/06/2012	22:30:00	42	50
16/06/2012	22:45:00	40	50
16/06/2012	23:00:00	40	50
16/06/2012	23:15:00	42	50
16/06/2012	23:30:00	40	50
16/06/2012	23:45:00	38	50



52

Table 8: - Private Wedding Opposite Temple Island- Remenham Manor Noise Measurement Results & Chart

Start date	Start time	LAeq,15 min	Proposed Condition MNL
05/08/2012	19:00:00	42	50
05/08/2012	19:15:00	44	50
05/08/2012	19:30:00	43	50
05/08/2012	19:45:00	40	50
05/08/2012	20:00:00	41	50
05/08/2012	20:15:00	40	50
05/08/2012	20:30:00	43	50
05/08/2012	20:45:00	40	50
05/08/2012	21:00:00	38	50
05/08/2012	21:15:00	35	50
05/08/2012	21:30:00	32	50
05/08/2012	21:45:00	31	50
05/08/2012	22:00:00	32	50
05/08/2012	22:15:00	36	50
05/08/2012	22:30:00	39	50
05/08/2012	22:45:00	34	50
05/08/2012	23:00:00	32	50
05/08/2012	23:15:00	30	50
05/08/2012	23:30:00	27	50
05/08/2012	23:45:00	28	50

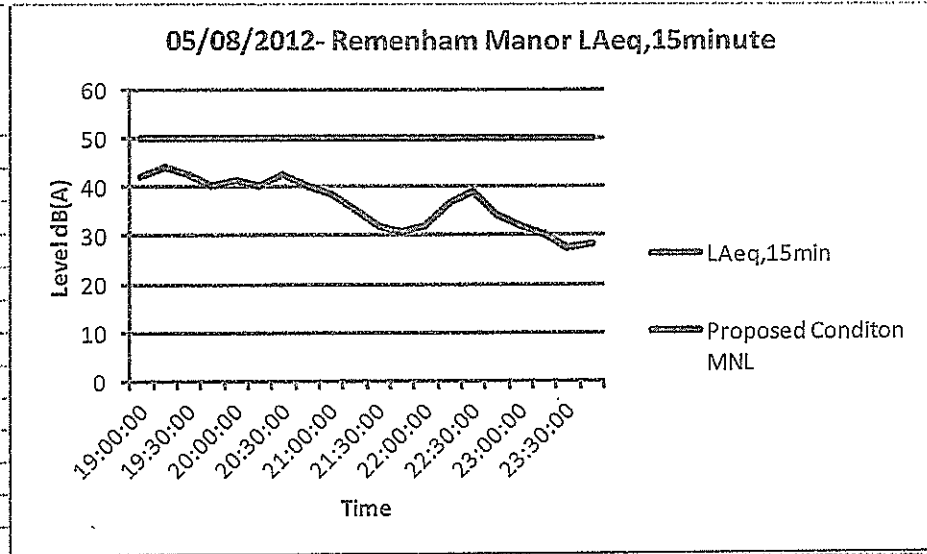


Figure 4: - Henley Regatta- Remenham Farmhouse Time History Profile 27/06/2012

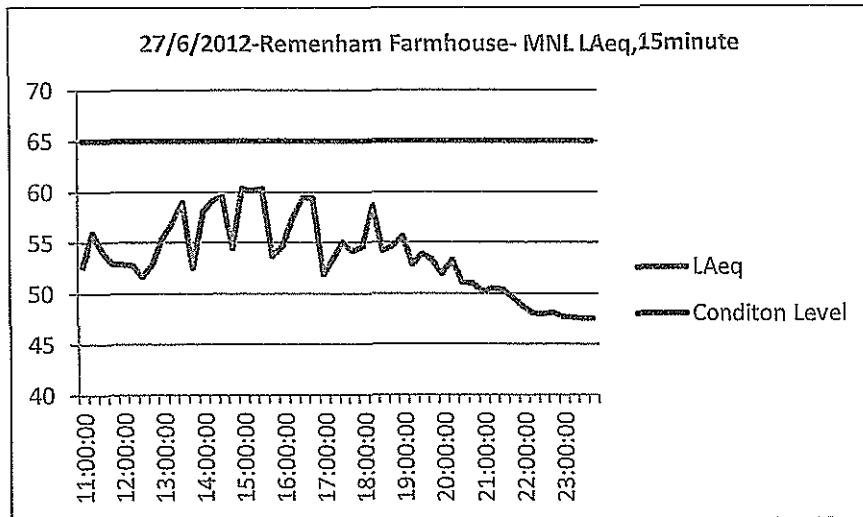


Figure 5: - Henley Regatta- Remenham Farmhouse Time History Profile 28/06/2012

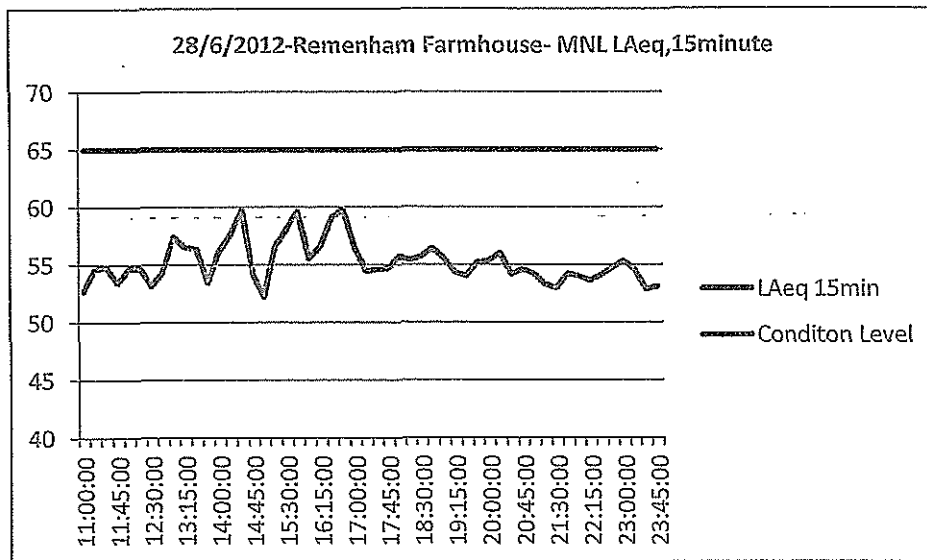


Figure 6: Henley Regatta- Remenham Farmhouse Time History Profile 29/06/2012

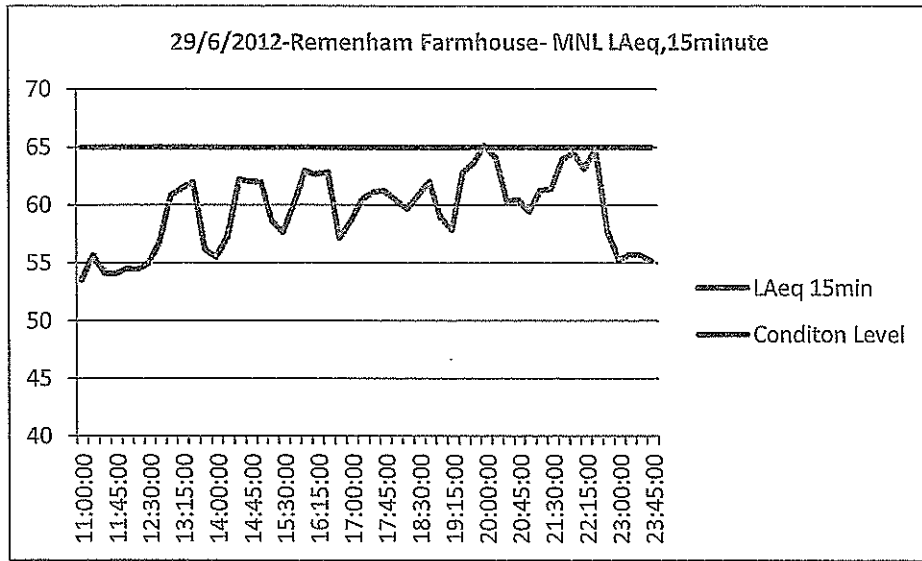


Figure 7: - Henley Regatta- Remenham Farmhouse Time History Profile 30/06/2012

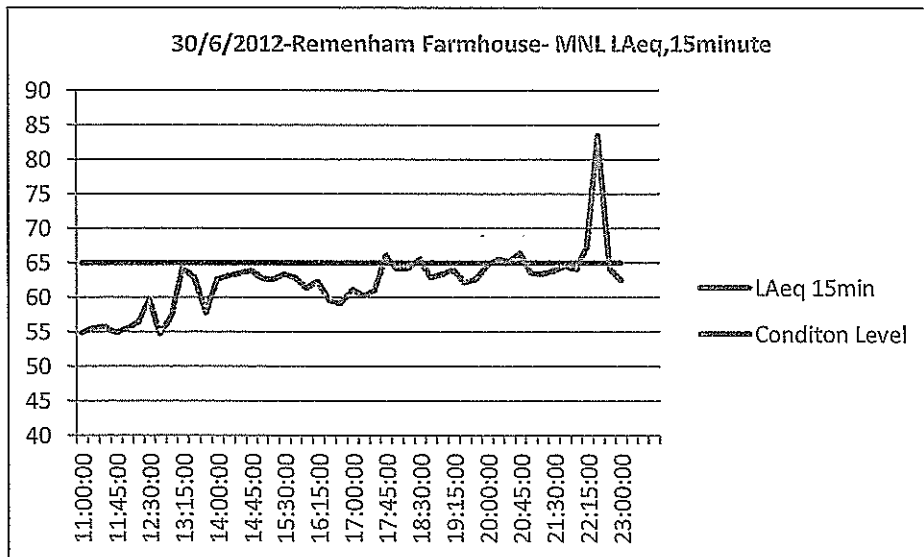


Figure 8: Henley Regatta- Remenham Farmhouse Time History Profile 01/07/2012

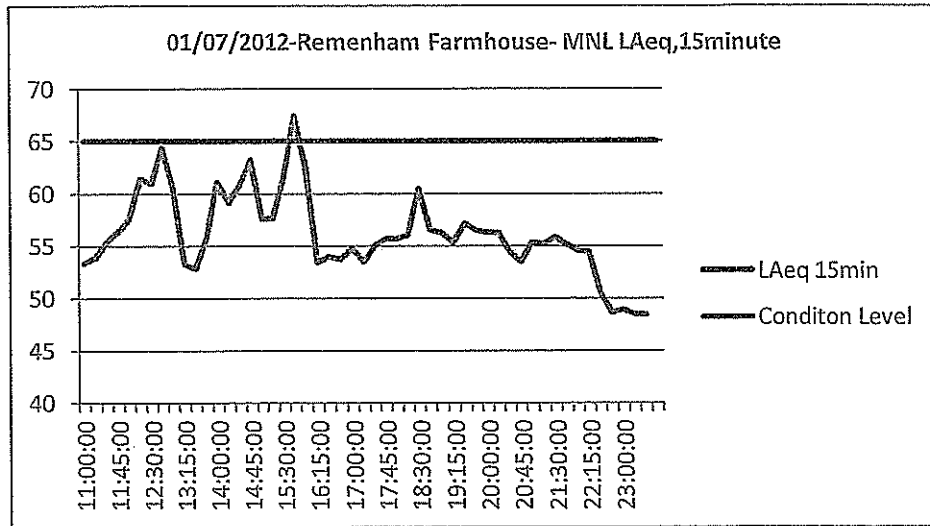


Figure 9: Henley Regatta- Cherwell - Time History Profile 29/06/2012

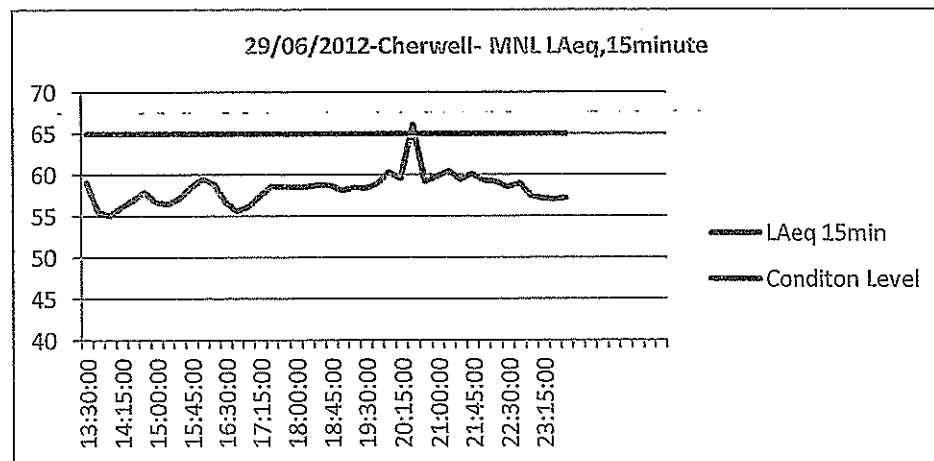


Figure 10: - Figure 11: Henley Regatta- Cherwell - Time History Profile 30/06/2012

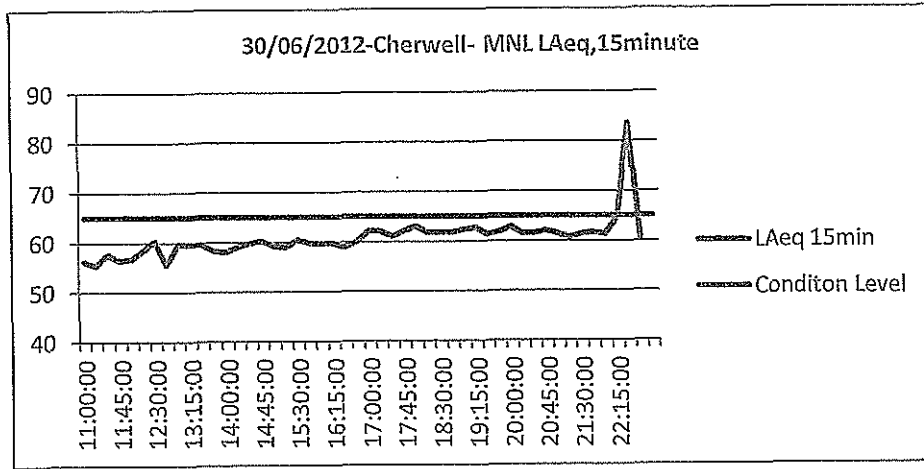


Figure 12: - Figure 13: Henley Regatta- Cherwell - Time History Profile 30/06/2012

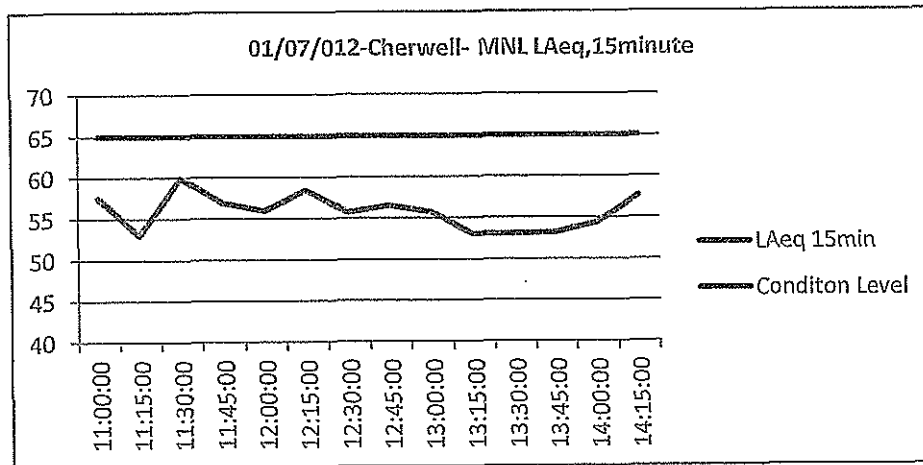


Table 9: Time History Results- Remenham Manor - Rewind Festival 18th & 19th August 2012

Rewind festival 2012 MP1 Measurements

Start time	MP1 Friday 17th LAeq15min	MP1 Saturday 18th LAeq15min	MP1 Sunday 19th LAeq15min	Condition Level
12:00:00	49	58	51	65
12:15:00	50	58	52	65
12:30:00	49	50	51	65
12:45:00	53	52	50	65
13:00:00	51	52	52	65
13:15:00	49	50	52	65
13:30:00	52	56	54	65
13:45:00	50	57	67	65
14:00:00	50	64	69	65
14:15:00	49	63	67	65
14:30:00	47	52	56	65
14:45:00	49	58	66	65
15:00:00	49	62	67	65
15:15:00	48	53	65	65
15:30:00	47	53	54	65
15:45:00	48	68	61	65
16:00:00	48	65	65	65
16:15:00	48	61	67	65
16:30:00	49	53	56	65
16:45:00	50	68	64	65
17:00:00	56	65	68	65
17:15:00	48	67	64	65
17:30:00	56	54	53	65
17:45:00	50	61	53	65
18:00:00	65	64	68	65
18:15:00	50	68	68	65
18:30:00	57	69	68	65
18:45:00	50	68	66	65
19:00:00	52	68	65	65
19:15:00	54	68	69	65
19:30:00	55	70	71	65
19:45:00	57	72	71	65
20:00:00	55	74	73	65
20:15:00	60	73	72	65
20:30:00	58	68	66	65
20:45:00	59	70	69	65
21:00:00	59	69	70	65
21:15:00	58	61	70	65
21:30:00	59	69	58	65
21:45:00	60	70	66	65
22:00:00	58	70	69	65
22:15:25	58	72	69	65
22:30:00	58	77	73	65
22:45:00	58	60	75	65

Table 10: Other Offsite Measurements - Rewind Festival 18th & 19th August 2012

Date	Time	Duration	Location	LAeq	Detail
18/08/2012	20:29	2min	Outside Parish Council	63	Jimmi Summerville
18/08/2012	20:39	5min	Old School House	67	
18/08/2012	21:30	15min	Old School House	65	Kool & The Gang
18/08/2012	21:45	15min	Old School House	67	Kool & The Gang
19/08/2012	20:48	15min	Old School House	67	Tony Hadley
19/08/2012	21:04	15min	Old School House	69	Tony Hadley
19/08/2012	21:56	17min	Old School House	66	OMD
19/08/2012	22:14	15min	Old School House	66	OMD

Table 11; Other Public Nuisance Issues reported by Remenham Residents

Resident	Description
Ron Emerson	<p><i>On two occasions I had to stop set up activities that were taking place after hours. The first was on the 26th May at 11-40pm when I had to talk to Tom Copas Jnr about tractors and vehicles creating a lot of noise. His response was simply that they had not finished setting up, but the activity did then cease. The second was much worse. On the 1st June I had to get out of bed at 1-20 am because they were emptying all of the blue refuse bins, many of them filled with bottles that made a horrendous row. They had clearly planned this as the Wilshire refuse company lorries had arrived specifically for this purpose. On this occasion I spoke to Fenella Copas who was to say the least hostile at being challenged on this but again they ceased the activity. Nevertheless this was clearly a deliberate and blatant breach of the licence terms a I pointed out to her.</i></p>
Jon Halsall	<p><i>I am the nearest resident to the Old Blades' site (apart from Peter Sly – the owner) and again UTRC other than the caretaker of Remenham Club. I am one of the founding members of UTRC and use the Club virtually every day. Peter Sly is not only a close friend and neighbour but also a Parish councillor.</i></p> <p><i>Peter Sly had given an undertaking to the Parish council that the footpath Remenham 4 would not be closed. It was, but not only during HRR, but also for several days before and after and was not reopened until the intervention of WBC.</i></p> <p><i>I was stunned by the activities of the common contractor/licensee at Old Blades/UTRC last year. There was a complete disregard of all previous understandings on behaviour and noise. I personally undertook the litter pick at UTRC which amounted to some twenty full bags of rubbish more than a week after HRR. The land and towpath which were used to haul trailers from Old Blades to the road through Upper Thames has yet to be repaired, levelled and reseeded two months after HRR. There were frequent hold ups on Remenham Lane, in the week prior to the Regatta, on Remenham Lane as vehicles parked up waiting to access the Old Blades site.</i></p> <p><i>At Cherwell we were inundated with continuous noise from the Tuesday of Regatta until the Sunday night, when everyone else had gone. It was impossible to sit in our garden throughout HRR week because of the noise from "Maggie's" at Old Blades. My neighbours also complained of the same.. The level of noise at Cherwell was professionally monitored for Friday, Saturday and Sunday; the results were at an unacceptable level. This is more than 200 metres away suggesting that the noise level at source were far above that envisaged by the license, deplorable and well above those of previous years.</i></p>

APPENDIX C – GLOSSARY OF TERMS

The Decibel, dB

The unit used to describe the magnitude of sound is the decibel (dB) and the quantity measured is the sound pressure level. The decibel scale is logarithmic and it ascribes equal values to proportional changes in sound pressure, which is a characteristic of the ear. Use of a logarithmic scale has the added advantage that it compresses the very wide range of sound pressures to which the ear may typically be exposed to a more manageable range of numbers. The threshold of hearing occurs at approximately 0 dB (which corresponds to a reference sound pressure of 2×10^{-5} pascals) and the threshold of pain is around 120 dB. The sound energy radiated by a source can also be expressed in decibels. The sound power is a measure of the total sound energy radiated by a source per second, in watts. The sound power level, L_w is expressed in decibels, referenced to 10-12 watts.

Frequency, Hz

Frequency is analogous to musical pitch. It depends upon the rate of vibration of the air molecules that transmit the sound and is measured as the number of cycles per second or Hertz (Hz). The human ear is sensitive to sound in the range 20 Hz to 20,000 Hz (20 kHz). For acoustic engineering purposes, the frequency range is normally divided up into discrete bands. The most commonly used bands are octave bands, in which the upper limiting frequency for any band is twice the lower limiting frequency, and one-third octave bands, in which each octave band is divided into three. The bands are described by their centre frequency value and the ranges which are typically used for building acoustics purposes are 63 Hz to 4 kHz (octave bands) and 100 Hz to 3150 Hz (one-third octave bands).

A-weighting

The sensitivity of the ear is frequency dependent. Sound level meters are fitted with a weighting network which approximates to this response and allows sound levels to be expressed as an overall single figure value, in dB(A).

Environmental Noise Descriptors

Where noise levels vary with time, it is necessary to express the results of a measurement over a period of time in statistical terms. Some commonly used descriptors follow. $L_{Aeq, T}$ The most widely applicable unit is the equivalent continuous A-weighted sound pressure level ($L_{Aeq, T}$). It is an energy average and is defined as the level of a notional sound which (over a defined period of time, T) would deliver the same A-weighted sound energy as the actual fluctuating sound. LAE Where the overall noise level over a given period is made up of individual noise events, the $L_{Aeq, T}$ can be predicted by measuring the noise of the individual noise events using the sound exposure level, LAE (or SEL or LAX). It is defined as the level that, if maintained constant for a period of one second, would deliver the same A weighted sound energy as the actual noise event. LA1 The level exceeded for 1% of the time is sometimes used to represent typical noise maxima. LA10 The level exceeded for 10% of the time is often used to describe road traffic noise. LA90 The level exceeded for 90% of the time is normally used to describe background noise.

Sound Transmission in the Open Air

Most sources of sound can be characterised as a single point in space. The sound energy radiated is proportional to the surface area of a sphere centred on the point. The area of a sphere is proportional to the square of the radius, so the sound energy is inversely proportional to the square of the radius. This is the inverse square law. In decibel terms, every time the distance from a point source is doubled, the sound pressure level is reduced by 6 dB. Road traffic noise is a notable exception to this rule, as it approximates to a line source, which is represented by the line of the road. The sound energy radiated is inversely proportional to the area of a cylinder centred on the line. In decibel terms, every time the distance from a line source is doubled, the sound pressure level is reduced by 3 dB.