



MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT
PLANNING AND URBAN MANAGEMENT AGENCY

NOISE SURVEY REPORT No. 6
(Compliance Monitoring)

Reference Number: PC 079 08

21st July 2009

1. BACKGROUND

Compliance monitoring was conducted on the 17th and 19th of July 2009. The purpose of the compliance monitoring noise survey conducted on the 17th July 2009 was to determine if noise levels being emitted from the church comply with the Agency noise levels.

The site visits conducted on the 19th July 2009 was to confirm if there was any religious activity occurring on-site.

The Agency has employed the following Sound Level Meter (SLM) to carry out compliance monitoring:

Manufacturer: Extech Instruments
Model: HD 600 Type 2
Serial Number: No. 07127547

2. NOISE LIMITS – Commercial Area

<i>Time Period</i>	<i>Noise Limits in Decibels (dB)</i>
Day, 0700 to 1800	63 - 70
Evening, 1800 to 2200	52 - 57
Night, 2200 to 0700	47 - 52

Note: * On Sundays and public holidays between 0700 and 1800 hours the evening noise limit applies.

Source: National Noise Policy 2006

3. SOUND LEVEL READINGS

3.1 Compliance Monitoring Survey

Site Visit 1:

Date 17th July 2009
Day Friday
Time 9:52 pm
Climatic Conditions Light winds (negligible), clear skies, reasonable conditions
Maximum reading 77 dB
Comments The maximum reading of 77 dB was resulted when instruments

were playing combined with singing from choir and church members. There were also other noise sources recorded from the church and interference from Hotel Millenia (refer to section 4 – Findings). Non-compliance.

Site Visit 2:

Date 19th July 2009
Day Sunday
Time 10:45am
Climatic Conditions Clear skies, light winds, ideal conditions
Maximum reading N/A
Comments There was no religious activity on Worship Center’s property. Also observed the tent on the western side of the property was removed.

Site Visit 3:

Date 19th July 2009
Day Sunday
Time 7:45 pm
Climatic Conditions Clear skies, light winds, ideal conditions.
Maximum reading N/A
Comments There was no religious activity on Worship Center’s property.

4. FINDINGS AND OBSERVATIONS

The findings are as follows:

Compliance monitoring results:

- 17th July 2009 recorded a **maximum noise level of 77 dB**; main source was singing combined with instruments playing. Recorded 67 dB from clapping and 74 dB from shouting. Recorded 74 dB from Pastor preaching loudly and 54 dB from preaching normally. Closing prayer recorded 65 dB and singing and musical instruments recorded 77 dB. Clapping and shouting by the congregation recorded 71 dB. The lower frequency (bass) being emitted from church have been reduced. Non-compliance
- 19th July 2009, observed no activity observed during both site visits.

Sunday, 19th July 2009

- Sunday, 19th July 2009, observed no activity during the 2 site visits.

5. CONCLUSION

Noise levels generated from the Church are still excessive. Despite the reduction of the lower frequency (bass), noise generated still exceed the noise standards. Recommend to continue with compliance monitoring and enforcement.

Prepared by Jeffery Leung Wai, Strategic Planner *21/7/09*

IMAGES



Image 1: Taken from within Hotel Millenia's property facing north east. Brick wall 2.3 meters high at the boundary of the hotel and church. (17/7/09, 10:15pm, JLW)

Image 2: Taken from within the hotel's property facing south west. Tripod (for mounting SLM) located 2 meters from the boundary. (17/7/09, 10:14pm, JLW)



Image 3: Taken from the road side facing south west. Worship Center's property on Sunday, no activity was observed. Tent on the western side removed. (19/7/09, 10:45am, JLW)