



MINISTRY OF NATURAL RESOURCES AND ENVIRONMENT  
PLANNING AND URBAN MANAGEMENT AGENCY

**NOISE SURVEY REPORT No. 2**  
**(Compliance Monitoring)**

Reference Number: PC 079 08

19<sup>th</sup> January 2009

**1. BACKGROUND**

The compliance monitoring survey was taken from within Tuala's property, 2 meters from the boundary and facing the church for a period of 15 and 30 minutes. The following sound level meter was used to carry out the compliance monitoring survey:

Sound Level Meter

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**

**Site Visit 1**

*Date* 18<sup>th</sup> January 2009

*Day* Sunday

*Time* 10:18am to 10:50am

*Climatic Conditions* Slightly cloudy, light winds, ideal conditions for survey

*Average reading* N/A

*Maximum reading* 82.0 dB

*Minimum reading* N/A

*Comments* A maximum of 82.0 dB was observed while the pastor was preaching and choir singing (BA system was used). Non-compliance.

## Site Visit 2

<i>Date</i>	18 <sup>th</sup> January 2009
<i>Day</i>	Sunday
<i>Time</i>	5:24pm to 5:55 pm
<i>Climatic Conditions</i>	Slightly cloudy, light winds, ideal conditions for survey
<i>Average reading</i>	49.94 dB
<i>Maximum reading</i>	70.9 dB
<i>Minimum reading</i>	41.2 dB
<i>Comments</i>	A maximum of 70.9 dB was observed while the pastor was preaching and choir singing (BA system was used). Other noise sources include church members singing and clapping. Non-compliance

## Site Visit 3: Reading 1

<i>Date</i>	8 <sup>th</sup> February 2009
<i>Day</i>	Sunday
<i>Time</i>	10:30am
<i>Climatic Conditions</i>	Heavy rain and strong winds, unfavorable conditions
<i>Average reading</i>	
<i>Maximum reading</i>	N/A
<i>Minimum reading</i>	
<i>Comments</i>	No survey was conducted due to poor weather conditions

## Site Visit 4: Reading 1

<i>Date</i>	8 <sup>th</sup> February 2009
<i>Day</i>	Sunday
<i>Time</i>	6:30pm
<i>Climatic Conditions</i>	Heavy rain and strong winds, unfavorable conditions
<i>Average reading</i>	
<i>Maximum reading</i>	N/A
<i>Minimum reading</i>	
<i>Comments</i>	Again, no survey was conducted due to poor weather conditions

## 4. FINDINGS

*The findings are as follows:*

**Compliance monitoring** conducted on the 18<sup>th</sup> February 2009 between 10:18am to 10:50am (Site visit 1), and between 5:24pm to 5:55pm (Site visit 2).

- Site visit 1, a maximum of 82.0 dB was observed from the church activities. The main source of the noise was the preacher preaching and a drum set (both amplified).
- Site visit 2 recorded a maximum value of 70.9 dB. The main source of the noise was the preacher preaching and the choir singing (both amplified). Other background noise observed included singing and clapping of church members.

## 5. CONCLUSION & RECOMMENDATIONS

Conclude that noise levels generated from the Samoa Worship Center Church are still excessive and are not in compliance with the noise standards.

*Prepared by Jeffery Leung Wai, Strategic Planner*

*9/2/09*