

JOB NO.: TCS001062/19

EP/SP/86/15 Organic Waste Treatment Facilities Phase 2

BASELINE ENVIRONMENTAL MONITORING AND AUDIT REPORT – BACKGROUND NOISE

PREPARED FOR AJA Joint Venture

Date	Reference No.	Prepared By	Certified By
20 December 2021	TCS001062/19/600/R0012v8	Http	Am

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Version	Date	Remarks
1	18 October 2019	First Submission
2	18 November 2019	Amended against IEC comments dated on 14 November 2019
3	19 November 2019	Amended against IEC comments dated on 19 November 2019
4	20 April 2020	Amended against EPD comments
5	7 May 2020	Amended against IEC comments dated on 5 May 2020
6	20 August 2021	Information Update
7	22 October 2021	Amended against EPD comments
8	20 December 2021	Amended against EPD comments

 Your ref
 TCS1062/19/300/L0216

 Our ref
 271491/02-09/RC/VH/NL-3042

 File ref
 02-09

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Attn: Mr. Chris Leung

20 January 2022

Dear Sir

Contract No. EP/SP/86/15 Organic Waste Treatment Facilities Phase 2 Baseline Environmental Monitoring & Audit Report (Version 8)

Referring to your letter referenced above dated 18 January 2022, we hereby verify that the captioned report complied with the requirements as set out in the Environmental Monitoring and Audit (EM&A) Manual and in accordance with Condition 3.3 of Environmental Permit EP-01/460/2013/A and Further environmental Permit FEP-01/460/2013/A.

Should you have any queries, please contact the undersigned at 2268 3437.

Yours faithfully

Ricky Chui Independent Environmental Checker

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EXECUTIVE SUMMARY

- ES.01. Environmental Protection Department (hereafter referred as "EPD") is the Project Proponent for the Project "Organic Waste Treatment Facilities Phase 2" (hereafter referred as "the Project"). The Project is a Designated Project to be implemented under Environmental Permit No. EP-460/2013 (hereafter referred as "the EP").
- ES.02. AJA Joint Venture has been awarded the *EPD Contract No. EP/SP/86/15 "Organic Waste Treatment Facilities Phase 2".* According to the Contract requirement, AJA Joint Venture shall take over all the responsibility of the Environmental Permit No. EP-460/2013 for ease of management, therefore application for Further Environmental Permit was submitted by AJAJV to EPD on 10 September 2019 and Further Environmental Permit No. FEP-01/460/2013 was granted to AJAJV by EPD on 2 October 2019 (hereafter referred as "the FEP").
- ES.03. Action-United Environmental Services & Consulting (hereinafter referred as "AUES") has been commissioned by AJA Joint Venture as Environmental Team (hereinafter referred as "ET") to implement Environmental Monitoring & Audit (EM&A) programme in accordance with the approved EM&A Manual as well as the associated duties.
- ES.04. According to the EM&A Manual, construction noise was identified as the key environmental issue during the construction phase of the Project and it is required to carry out construction noise monitoring throughout the construction phase. No baseline monitoring for other aspects (e.g. air quality, water quality) is required according to the EM&A Manual. Furthermore, baseline monitoring as part of the EM&A programmes shall be conducted prior to the commencement of the construction works under the Project. Thus, baseline noise monitoring was conducted by ET from 25 September 2019 to 8 October 2019 which was before the commencement of construction activities under the Project or other external influencing factors of significant concern such as construction activities under the other Projects, was observed.
- ES.05. The baseline monitoring results form the basis for determining the environmental acceptance criteria for the impact monitoring. After completed the baseline monitoring, all the obtained measurement data will be used as a baseline reference. According to Section 4 of the EM&A Manual, the Action and Limit (A/L) Levels of construction noise monitoring is listed in *Table ES-1*.

Monitoring Location		Action Level	Limit Level	
		Time Period: 0700-1900 hours on normal weekdays		
N1,N2a, N3a, N4		When one or more documented complaints are received	75 dB(A)	
Note 1 2 3	Note: If works are to be carried out during restricted hours, the conditions stipulated in the construction noise permit issued by the NCA have to be followed. 2 70dB(A) for schools and 65dB(A) during school examination periods 3 The alternative monitoring location N2a and N3a are proposed for both baseline and imparation imparation periods			

ES.06. In case where exceedance of construction noise action or limit level occurs, actions should be carried out in accordance with the "*Event and Action Plan*" stated in the EM&A Manual.



Table of Contents

1	INTROD	UCTION	1
	1.1	PROJECT BACKGROUND	1
	1.2	REPORT STRUCTURE	1
2	BASELI	NE REQUIREMENT OF ENVIORNMENTAL MONITORING PROGRAMMES	2
	2.1	GENERAL	2
	2.2	MONITORING PARAMETERS	2
	2.3	MONITORING LOCATIONS	2
	2.4	MONITORING FREQUENCY AND PERIOD	3
	2.5	MONITORING EQUIPMENT	3
	2.6	DERIVATION OF ACTION/LIMIT (A/L) LEVELS	3
3	BASELI	NE MONITORING METHDOLOGY	5
	3.1	LOCATION AND DURATION AND INSTRUMENT OF BASELINE MONITORING	5
	3.2	MONITORING PROCEDURES	5
	3.3	DATA MANAGEMENT	5
4	BASELI	NE MONITORING RESULTS	6
	4.1	RESULTS OF BACKGROUND NOISE	6
5	CONCLU	USIONS AND RECOMMENDATIONS	11
	5.1	CONCLUSIONS	11
	5.2	RECOMMENDATIONS	11

LIST OF TABLES

TABLE 2-1 DISTANCE BETWEEN THE ORIGINAL AND ALTERNATIVE STAT.	ION
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- TABLE 2-2
 BASELINE NOISE MONITORING LOCATION
- TABLE 2-3
 CONSTRUCTION NOISE MONITORING EQUIPMENT
- TABLE 2-4
 ACTION AND LIMIT LEVELS OF CONSTRUCTION NOISE
- TABLE 4-1NOISE MONITORING RESULTS OF N1 VILLAGE HOUSE NO.308, SHA LING
- TABLE 4-2NOISE MONITORING RESULTS OF N2a VILLAGE HOUSE NO.318, SHA LING
- TABLE 4-3NOISE MONITORING RESULTS OF N3a VILLAGE HOUSE NO.261, SHA LING
- TABLE 4-4
 NOISE MONITORING RESULTS OF N4 VILLAGE HOUSE IN SHA LING AS LOCATED THE

 PROJECT SOUTH-EAST DIRECTION
- TABLE 4-5
 SUMMARIES OF NOISE MONITORING RESULTS
- TABLE 5-1
 ACTION AND LIMIT LEVELS OF CONSTRUCTION NOISE

LIST OF APPENDICES

- APPENDIX A LAYOUT PLAN OF THE PROJECT
- APPENDIX B NOISE MONITORING LOCATIONS
- APPENDIX C VALID CALIBRATION CERTIFICATE OF MONITORING EQUIPMENT
- APPENDIX D BASELINE MONITORING SCHEDULE
- APPENDIX E CONSTRUCTION NOISE MONITORING RESULTS DATA
- APPENDIX F GRAPHICAL PLOT OF THE BASELINE NOISE MONITORING RESULT
- APPENDIX G FIELD DATA SHEET

1 INTRODUCTION

1.1 **PROJECT BACKGROUND**

- 1.1.1 Environmental Protection Department (hereafter referred as "EPD") is the Project Proponent for the Project "*Organic Waste Treatment Facilities Phase 2*" (hereafter referred as "the Project"). The Project is a Designated Project to be implemented under Environmental Permit No. EP-460/2013. The layout plan of the Project is shown in *Appendix A*.
- 1.1.2 AJA Joint Venture has been awarded the *EPD Contract No. EP/SP/86/15 "Organic Waste Treatment Facilities Phase 2"*. According to the Contract requirement, AJA Joint Venture shall take over all the responsibility of the Environmental Permit No. EP-460/2013 for ease of management, therefore application for Further Environmental Permit was submitted by AJAJV to EPD on 10 September 2019 and Further Environmental Permit No. FEP-01/460/2013 was granted to AJAJV by EPD on 2 October 2019. This baseline report also serves as the relevant EP submission for EP-460/2013.
- 1.1.3 Major works of construction activities under the Project included:
 - (i) Demolition the existing above ground structures of the Sha Ling Livestock Waste Composting Plant (SLCP);
 - (ii) Construction superstructure for an administration building and enclosed waste reception area;
 - (iii) Installation of treatment facilities including waste pre-treatment equipment, digesters, biogas holding tanks, composting, wastewater treatment, air treatment systems; and
 - (iv) Facilities for biogas processing, utilization and transmission;
- 1.1.4 Action-United Environmental Services & Consulting (hereinafter referred as "AUES") has been commissioned by AJAJV as an Environmental Team (hereinafter referred as "the ET") to implement the Environmental Monitoring & Audit (EM&A) programmes in accordance with the approved EM&A Manual as well as the associated duties.
- 1.1.5 As part of the EM&A programmes, baseline monitoring is required to be conducted prior to commencement of construction works of the Project. The Environmental Monitoring requirements are set out in the Approved EM&A Manual, only construction noise was identified as the key issues during the construction phase of the Project. Thus, baseline noise monitoring was conducted by the ET from 25 September 2019 to 8 October 2019 which was before the commencement of construction of the Project on 3 December 2019. During the baseline monitoring period, no construction activities under the Project or other external influencing factors of significant concern such as construction activities under the other Projects was observed.
- 1.1.6 This Baseline Monitoring Report presents the detailed baseline monitoring information including project background, monitoring methodology and results, and Action/Limit (A/L) Levels as setting in the EM&A Manual for subsequent use in the construction phase of the Project.

1.2 REPORT STRUCTURE

- 1.2.1 The Baseline Monitoring Report is structured into the following sections:-
 - Section 1 Introduction
 - Section 2 Summaries of Baseline Monitoring Requirement.
 - Section 3 Baseline Monitoring Methodology
 - Section 4 Baseline Monitoring Results
 - *Section 5* Conclusions and Recommendations



2 BASELINE REQUIREMENT OF ENVIORNMENTAL MONITORING PROGRAMMES

2.1 GENERAL

- 2.1.1 According to the EM&A Manual requirement, only construction noise monitoring is required during the construction phase of the Project. Other environmental monitoring parameter such as air and water quality is not required during construction period.
- 2.1.2 Based on the EM&A Manual requirement, baseline noise monitoring should be conducted prior to the commencement of construction work under the Project. A summary of the baseline monitoring requirement for construction noise as stipulated in the EM&A Manual is presented below.

2.2 MONITORING PARAMETERS

2.2.1 The construction noise level should be measured in terms of the A-weighted equivalent continuous sound pressure level (L_{eq}). $L_{eq(30min)}$ should be used as the monitoring parameter between 0700 and 1900 hours during baseline monitoring periods.

2.3 MONITORING LOCATIONS

- 2.3.1 According to the EM&A Manual *Section 4.2.3*, there were four (4) noise sensitive receivers (NSR) (i.e. N1, N2, N3 and N4) recommended for construction noise monitoring.
- 2.3.2 Site visits were conducted by ET to identify the NSR. Since access to the two designated location N2 (Village House No. 319 of Sha Ling) and N3 (Village House No. 265 of Sha Ling) for noise monitoring was not granted by the house owner, two alternative locations N2a (Village House No. 318 of Sha Ling) and N3a (Village House No. 261 of Sha Ling) were proposed to carry out the baseline noise monitoring.
- 2.3.3 The details of the designated monitoring location N2 & N3 and alternative monitoring location N2a & N3a were summarized in *Table 2-1* and showed in *Appendix B*.

Location ID	Location	Type of premises	Direction from construction site boundary	Slant distance from the construction site boundary
Designated Location N2	Village House No. 319	Residential, Private (Village Type Development)	North	92m
Alternative Location N2a	Village House No. 318	Residential, Private (Village Type Development)	North	109m
Designated Location N3	Village House No. 265	Residential, Private (Village Type Development)	Southwest	55m
Alternative Location N3a	Village House No. 261	Residential, Private (Village Type Development)	Southwest	88m

Table 2-1 Distance between the original and alternative station

2.3.4 The rationale for choosing the abovementioned alternative monitoring location to carry out noise monitoring are as follows:

- Alternative N2a and N3a are noise sensitive receiver as defined in the under Annex 13 of EIAO-TM (Residential Uses);
- Alternative N2a and N3a are located nearby recommend monitoring location N2 and N3 respectively. In addition, both alternative locations were close to the major site activities and likely impacts by construction noise; and
- Alternative monitoring N2a and N3a will have minimal disturbance to the occupants during monitoring.
- 2.3.5 A proposal of alternative monitoring location with detailed justification was submitted and the proposal was agreed by ER, IEC and EPD. Beside façade correction +3 dB(A) will be applied when noise monitoring is carried out under free field condition noise monitoring, an additional



distance correction of +1 dB(A) and +3 dB(A) were proposed and will be applied for alternative monitoring location N2a and N3a respectively due to the difference of slant distance between the designated monitoring locations (N2 and N3) and the alternative monitoring locations (N2a and N3a).

2.3.6 The noise monitoring locations for baseline noise monitoring are listed in *Table 2-2* and the photo record was shown in *Appendix B*.

	Dusenne rouse montoring Locations			
Location ID	Location	Remark		
N1	Village House No. 308, Sha Ling	The designated monitoring location		
N2a	Village House No. 318, Sha Ling	Alternative location of the designated location N2		
N3a	Village House No. 261, Sha Ling	Alternative location of the designated location N3		
N4	Village House in Sha Ling as located the Project south-east direction	The designated monitoring location		

 Table 2-2
 Baseline Noise Monitoring Locations

2.4 MONITORING FREQUENCY AND PERIOD

- 2.4.1 The requirements of baseline noise monitoring are stipulated in *Sections 4.2.4* of the approved *EM&A Manual* and presented as follows.
- 2.4.2 One set of L_{eq} (30 minutes) noise measurement between 0700 and 1900 hours should be carried out daily for a period of at least two weeks for the baseline noise monitoring as required in EM&A Manual. However, in order to obtain a more comprehensive baseline database, two more noise measurement was added and overall three sets of L_{eq} (30 minutes) noise measurement were conducted daily for more comprehensive baseline database and presented in this report.

2.5 MONITORING EQUIPMENT

2.5.1 Sound level meter in compliance with the International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications shall be used for carrying out the noise monitoring. The sound level meter shall be checked using an acoustic calibrator. The wind speed shall be checked with a portable wind speed meter capable of measuring the wind speed in ms⁻¹. Noise monitoring equipment used for baseline monitoring is listed in *Table 2-3*.

Equipment	Model
Integrating Sound Level Meter	B&K Type 2238 / Rion NL-52
Calibrator	B&K Type 4231 / Rion NC-75
Portable Wind Speed Indicator	Model 8908 AZ Instrument Wind Speed Indicator

Table 2-3Construction Noise Monitoring Equipment

2.6 DERIVATION OF ACTION/LIMIT (A/L) LEVELS

2.6.1 All the obtained background noise measurement data during baseline monitoring will be used as a reference in case of any Action / Limit levels exceedance was recorded in construction period. The Action and Limit (A/L) Levels of construction noise stated in the EM&A Manual Section 4.2.6 is shown in *Table 2-4*.

^{2.5.2} Sound level meters listed above comply with the *International Electrotechnical Commission Publications 651: 1979 (Type 1)* and *804: 1985 (Type 1)* specifications, as recommended in TM issued under the NCO. The acoustic calibrator and sound level meter used baseline monitoring was calibrated yearly.



Table 2-4 Action and Limit Levels of Construction Noise

Time Period	Action Level	Limit Level	
0700-1900 hours on normal	When one documented	^(*) 75dB(A)	
weekdays	complaint is received	(V/Jub(A)	

Note: (*) *Reduces to 70 dB(A) for schools and 65 dB(A) during the school examination periods.*

Remarks: If works are to be carried out during restricted hours (1900 to 0700 on normal weekdays or at any time on a general holiday including Sunday), the conditions stipulated in the construction noise permit issued by the EPD have to be followed.



3 BASELINE MONITORING METHDOLOGY

3.1 LOCATION AND DURATION AND INSTRUMENT OF BASELINE MONITORING

- 3.1.1 The baseline construction noise monitoring was conducted prior commencement of the Project. During the baseline monitoring period, no construction activities of this project or the other external influencing factors of significant concern such as construction activities under the other Projects was observed by the ET.
- 3.1.2 Baseline noise monitoring was conducted at the monitoring location stated in *Table 2-1* for two consecutive weeks from 25 *September 2019* to 8 *October 2019*.
- 3.1.3 All the monitoring equipment stated in *Table 2-2* was used for the baseline monitoring. All the sound level meters and calibrators were calibrated by a calibration & testing laboratory called *Sun Creation Engineering Limited* and the valid calibration certificates for the sound level meters and calibrators were provided in *Appendix C*.
- 3.1.4 All the noise meter used are in compliance with the detection limit set in International Electrotechnical Commission Publications 651: 1979 (Type 1) and 804: 1985 (Type 1) specifications. As a QA/QC process, the sound level meter was checked using an acoustic calibrator generating a known sound pressure level at a known frequency and the calibration level from before and after the noise measurement was within 1.0 dB.

3.2 MONITORING PROCEDURES

- 3.2.1 The noise measurement was performed with the meter set to FAST response and on the A-weighted equivalent continuous sound pressure level (Leq). Leq(30mins) in six consecutive Leq(5min) measurement are used as the monitoring parameter throughout the baseline monitoring period. Restricted hours is 1900 to 0700 on normal weekdays or at any time on a general holiday including Sunday.
- 3.2.2 During the baseline monitoring, the sound level meter was mounted on a tripod at a height of about 1.2 m and placed at the monitoring locations and oriented such that the microphone was pointed to the site with the microphone facing perpendicular to the line of sight. The windshield was fitted for the measurement. For the baseline noise monitoring, N1, N2a, N3a, and N4 were conducted in a free-field situation i.e. at least 3.5m distances away from reflective surfaces of the adjacent buildings or walls.
- 3.2.3 Prior baseline noise measurement, the accuracy of the sound level meter was checked using an acoustic calibrator generating a known sound pressure level at a known frequency. The calibration from before and after the noise measurement agrees to within 1.0dB such ±0.5dB of the known sound pressure level.
- 3.2.4 During the noise measurement, a portable wind speed meter was used to check wind speed (m/s). No noise monitoring was conducted when wind speed was exceeding 5m/s or gusts exceeding 10m/s. Also, no noise measurement was conducted in the presence of fog and rain.

3.3 DATA MANAGEMENT

- 3.3.1 The baseline monitoring data were handled by the ET's in-house data recording and management system.
- 3.3.2 The monitoring data recorded in the instruments were downloaded directly from sound level meter at the end of each monitoring day. The downloaded monitoring data were input into a computerized database properly maintained by the ET.



4 BASELINE MONITORING RESULTS

4.1 **RESULTS OF BACKGROUND NOISE**

- 4.1.1 The baseline monitoring schedule is enclosed in *Appendix D*. During the baseline monitoring period, no construction activities under the Project or other external influencing factors of significant concern such as construction activities under the other Projects was observed.
- 4.1.2 The baseline noise monitoring was undertaken at N1, N2a, N3a and N4 from 25 September 2019 to 8 October 2019. In order to obtain a more comprehensive baseline database, three sets of L_{eq} (30 minutes) noise measurement were conducted daily. All the three noise measurement was carried out randomly throughout 0700 1900 of the monitoring day and no specified measurement period was selected. During the noise measurement, no noise measurement was carried out under rain and in the presence of fog. Furthermore, a portable wind speed meter was used to check wind speed to ensure no wind speed was exceeding 5m/sec or gusts exceeding 10m/sec. The detailed measurement data, graphical plot and field data sheet are shown in Appendix E, Appendix F and in Appendix G respectively. Each monitoring station background noise summary is listed in Table 4-5.

Date	Start Time	End Time	L10 Range Leq5min, dB(A)	L90 Range Leq5min, dB(A)	Leq30min, dB(A)	Façade Corrected Leq30min, dB(A)
	10:16	10:46	43.5-46.5	36.7-37.8	43.3	46.3
25-Sep-19	14:08	14:38	44.5-48.1	37.2-38.8	42.9	45.9
	17:30	18:00	41.9-49.6	34.3-35.9	42.3	45.3
	10:38	11:08	43.0 - 45.2	37.0-38.3	57.1	60.1
26-Sep-19	14:01	14:31	43.8-57.6	37.2-38.9	59.0	62.0
	17:16	17:46	40.8-43.2	35.1-37.2	42.4	45.4
	10:36	11:06	47.5-50.0	40.3-41.6	60.5	63.5
27-Sep-19	13:03	13:33	42.4-48.7	38.1-40.1	57.1	60.1
	16:14	16:44	43.4-49.3	37.6-38.9	60.9	63.9
	10:31	11:01	45.0-65.8	39.2-41.6	63.5	66.5
28-Sep-19	13:16	13:46	45.2-47.0	37.3-39.3	59.6	62.6
	16:24	16:54	46.7-50.8	32.2-34.8	63.1	66.1
	10:43	11:13	45.2-66.1	36.4-41.3	62.4	65.4
29-Sep-19#	12:43	13:13	43.0-46.5	36.1-37.9	61.2	64.2
_	15:50	16:20	45.1-48.5	38.0-40.2	59.3	62.3
	10:15	10:45	44.0-50.4	38.1-40.9	62.9	65.9
30-Sep-19	13:10	13:40	46.2-78.2	40.4-42.5	68.0	71.0*
_	16:16	16:46	46.8-48.8	38.1-39.5	63.6	66.6
	10:38	11:08	46.3-48.6	36.6-41.6	62.3	65.3
1-Oct-19#	12:32	13:02	43.4-48.1	37.2-39.2	64.1	67.1
	15:37	16:07	43.5-45.1	36.1-37.2	53.2	56.2
	10:47	11:17	44.8-47.4	39.2-40.7	59.4	62.4
2-Oct-19	13:21	13:51	44.2-50.7	34.8-42.9	48.9	51.9
	16:31	17:01	45.4-47.3	36.9-41.5	63.6	66.6
	10:37	11:07	45.3-48.1	39.5-42.8	65.1	68.1
3-Oct-19	13:12	13:42	44.2-48.6	39.5-42.3	61.5	64.5
	16:19	16:49	44.3-47.4	36.6-39.4	61.5	64.5
	10:28	10:58	44.1-46.5	39.1-41.1	47.0	50.0
4-Oct-19	12:52	13:22	43.1-56.4	36.0-42.8	48.0	51.0
	16:03	16:33	44.0-47.6	39.0-40.5	62.0	65.0
5-Oct-19	10:45	11:15	50.5-54.5	36.7-40.8	52.6	55.6
	13:26	13:56	42.4-46.0	37.5-39.8	60.2	63.2
	16:33	17:03	46.5-49.9	39.2-41.5	50.6	53.6
	10:36	11:06	46.1-48.4	36.5-37.7	59.6	62.6
6-Oct-19#	12:31	13:01	43.3-45.2	37.1-38.6	61.0	64.0
	15:37	16:07	43.0-45.9	37.2-38.8	60.8	63.8
7-Oct-19#	10:19	10:49	46.0-58.5	39.5-45.5	51.2	54.2

Table 4-1	Noise Monitoring	Results of N1 -	Village House	No. 308. S	ha Ling



Date	Start Time	End Time	L10 Range Leq5min, dB(A)	L90 Range Leq5min, dB(A)	Leq30min, dB(A)	Façade Corrected Leq30min, dB(A)
	15:41	16:11	40.0-66.0	35.0-37.0	55.0	58.0
	16:13	16:43	41.0-69.5	36.5-39.5	58.2	61.2
	10:41	11:11	45.6-48.8	38.5-41.6	60.5	63.5
8-Oct-19	13:23	13:53	44.8-50.0	40.2-42.4	51.3	54.3
	16:35	17:05	44.6-47.7	38.1-39.5	50.6	53.6

Note: Sound level meter set at monitoring stations is made free-field measurement, façade correction (+3dB(A)) has added according to acoustical principles and EPD guidelines *High noise level recorded due to dog barking

Grey cells with # - Monitoring events during restricted hours on Sunday or Public Holiday

Table 4-2	Noise Mon	itoring Resu	lts of N2a –	Village House	e No. 318, S	Sha Ling	
							_

			L10 Range			Distance & Façade
Date	Start Time	End Time	Leq5min,	L90 Range Leq5min,	Leq30min,	Corrected
			dB(A)	dB(A)	dB(A)	Leq30min, dB(A)
	10:58	11:28	45.1-83.3	39.5-42.2	70.6	74.6*
25-Sep-19	14:48	15:18	43.3-44.9	37.1-38.3	59.1	63.1
-	16:52	17:22	43.0-45.7	36.6-38.0	57.3	61.3
	10:02	10:32	42.5-45.7	36.2-37.5	42.7	46.7
26-Sep-19	14:37	15:07	40.7-50.1	34.4-35.9	51.9	55.9
	16:40	17:10	41.2-43.4	35.1-36.3	40.7	44.7
	9:55	10:25	42.1-43.6	35.1-36.8	41.3	45.3
27-Sep-19	13:43	14:13	47.0-55.5	35.5-40.8	51.5	55.5
	15:38	16:08	46.0-50.5	34.1-35.2	41.2	45.2
	9:54	10:24	41.1-43.7	35.6-38.2	42.6	46.6
28-Sep-19	13:52	14:22	41.2-44.2	35.4-37.9	41.9	45.9
_	15:47	16:17	40.1-46.0	34.6-35.8	50.2	54.2
	10:04	10:34	48.0-59.2	40.2-42.4	50.1	54.1
29-Sep-19#	13:19	13:49	46.6-53.8	34.0-36.5	52.7	56.7
	15:14	15:44	42.8-43.9	35.4-36.5	49.5	53.5
	9:39	10:09	41.9-45.8	35.4-37.2	41.9	45.9
30-Sep-19	13:46	14:16	42.1-45.6	36.0-37.5	45.8	49.8
Ĩ	15:40	16:10	46.2-48.7	35.0-36.7	47.5	51.5
	10:02	10:32	42.5-46.8	35.1-37.6	45.5	49.5
1-Oct-19#	13:07	13:37	46.6-49.9	34.1-36.9	45.9	49.9
	15:02	15:32	49.6-52.2	35.5-36.5	48.8	52.8
	10:09	10:39	50.0-54.5	38.4-42.9	52.8	56.8
2-Oct-19	14:00	14:30	62.6-63.1	61.8-62.8	63.3	67.3
	15:55	16:25	44.5-50.2	36.0-38.7	47.8	51.8
	10:01	10:31	48.3-51.2	38.4-41.2	44.4	48.4
3-Oct-19	13:50	14:20	46.3-55.5	35.5-37.6	51.7	55.7
	15:43	16:13	44.3-50.5	38.2-42.5	54.8	58.8
	9:50	10:20	42.8-47.1	36.3-38.2	43.1	47.1
4-Oct-19	13:20	13:50	42.2-45.3	36.1-37.3	41.2	45.2
	15:26	15:56	41.0-43.6	35.0-36.5	42.0	46.0
	10:08	10:38	45.2-48.6	35.2-38.3	46.3	50.3
5-Oct-19	14:02	14:32	41.0-43.5	35.3-36.6	42.1	46.1
	15:57	16:27	42.6-45.3	36.1-37.2	59.1	63.1
	9:59	10:29	46.8-50.5	40.3-42.4	45.4	49.4
6-Oct-19#	13:07	13:37	42.0-44.6	34.0-35.6	43.1	47.1
	15:32	16:02	42.2-44.3	34.6-36.4	42.3	46.3
	9:42	10:12	43.5-65.0	38.0-41.5	54.0	58.0
7-Oct-19#	14:30	15:00	43.5-65.5	38.5-41.5	54.0	58.0
	15:01	15:31	44.5-68.5	38.0-41.0	53.4	57.4
	10:03	10:33	40.4-48.3	34.2-35.6	46.6	50.6
8-Oct-19	14:04	14:34	42.5-46.0	36.0-38.7	43.1	47.1
	15:59	16:29	40.7-55.5	34.1-37.1	45.1	49.1



Note: Sound level meter set at monitoring stations is made free-field measurement, façade correction (+3dB(A)) has added according to acoustical principles and EPD guidelines A distance correction of +1 dB(A) was applied for N2a *High noise level recorded due to dog barking Grey cells with # - Monitoring events during restricted hours on Sunday or Public Holiday

					- village House No. 201, Sila		
Date	Start Time	End Time	L10 Range Leq5min, dB(A)	L90 Range Leq5min, dB(A)	Leq30min, dB(A)	Distance & Façade Corrected Leq30min, dB(A)	
	9:32	10:02	39.0-64.0	33.7-35.8	65.2	71.2	
25-Sep-19	13:24	13:54	40.8-52.2	36.2-38.4	64.4	70.4	
Ĩ	18:13	18:43	46.7-61.2	32.7-34.8	66.5	72.5	
	11:20	11:50	49.4-52.8	38.1-39.5	59.7	65.7	
26-Sep-19	13:17	13:47	51.1-54.5	38.1-40.0	49.5	55.5	
Ĩ	17:57	18:26	43.5-60.5	32.8-35.2	65.2	71.2	
	11:19	11:49	53.0-59.2	37.3-41.3	64.6	70.6	
27-Sep-19	11:50	12:20	51.4-65.9	35.9-38.8	61.8	67.8	
1	16:57	17:27	46.4-55.8	32.8-34.9	62.6	68.6	
	11:12	11:42	50.5-54.4	37.0-38.2	61.2	67.2	
28-Sep-19	11:44	12:14	51.6-61.6	37.2-38.9	65.1	71.1	
Ĩ	17:07	17:37	40.8-43.6	32.1-35.1	41.8	47.8	
	11:27	11:57	48.2-52.1	30.8-32.4	59.0	65.0	
29-Sep-19#	11:59	12:29	44.5-51.9	29.1-31.3	62.1	68.1	
1	16:31	17:01	44.8-46.5	29.0-30.6	42.9	48.9	
	10:59	11:29	51.3-62.5	38.0-40.5	60.9	66.9	
30-Sep-19	11:31	12:01	51.5-69.9	38.0-39.6	65.6	71.6	
	16:57	17:27	46.5-59.6	32.0-34.5	65.8	71.8	
	11:19	11:49	48.6-51.2	30.6-34.8	57.9	63.9	
1-Oct-19#	11:50	12:20	43.5-48.0	29.3-34.6	42.8	48.8	
1 000 19.	16:18	16:48	45.0-50.0	29.6-31.3	63.5	69.5	
	11:30	12:00	47.9-52.8	34.0-37.8	47.5	53.5	
2-Oct-19	12:02	12:32	44.4-51.8	34.8-39.2	46.5	52.5	
	17:12	17:42	46.5-49.5	32.3-34.6	60.1	66.1	
	11:21	11:51	44.2-53.2	37.1-40.0	58.7	64.7	
3-Oct-19	11:53	12:23	46.6-49.4	36.1-38.6	63.0	69.0	
	17:01	17:31	44.7-51.5	32.2-34.3	46.4	52.4	
	11:11	11:41	53.0-80.9	32.6-75.2	76.8	82.8*	
4-Oct-19	11:41	12:11	52.0-80.6	43.4-75.3	75.4	81.4*	
	16:44	17:14	46.4-60.8	32.0-34.0	66.6	72.6	
	11:27	11:57	47.2-52.2	34.2-36.6	62.6	68.6	
5-Oct-19	11:58	12:28	44.9-50.6	34.5-35.6	46.6	52.6	
5 000 17	17:14	17:44	49.2-62.4	31.1-34.5	62.1	68.1	
	11:19	11:49	44.0-70.6	32.0-35.1	64.1	70.1	
6-Oct-19#	11:50	12:20	44.3-52.1	30.5-32.3	57.6	63.6	
0-001-19π	16:18	16:48	46.3-51.5	30.0-32.0	59.4	65.4	
	11:10	11:40	43.0-66.5	40.0-42.5	56.6	62.6	
7-Oct-19#	16:51	17:21	41.5-67.5	38.0-39.5	55.9	61.9	
/ 000 19/1	17:24	17:54	42.0-63.5	37.0-38.5	51.9	57.9	
	11:22	11:52	45.8-52.2	36.0-37.9	64.7	70.7	
8-Oct-19	11:54	12:24	47.3-52.4	36.2-37.6	47.7	53.7	
0-001-17	17:18	12.24	51.2-61.4	35.9-37.7	72.4	78.4*	
						10.4* nt facade correction	

Table 4-3	Noise Monitoring	Results of N39	Villogo House	No. 261 Sha Ling	
Table 4-5	Noise Monitoring	Kesuits of INJa –	v mage House	ino. 201, Sna Ling	

Note: Sound level meter set at monitoring stations is made free-field measurement, façade correction (+3dB(A)) has added according to acoustical principles and EPD guidelines

A distance correction of +3 dB(A) was applied for N3a

*High noise level recorded due to dog barking

Grey cells with # - Monitoring events during restricted hours on Sunday or Public Holiday



Project south-east direction						
Date	Start Time	End Time	L10 Range Leq5min, dB(A)	L90 Range Leq5min, dB(A)	Leq30min, dB(A)	Façade Corrected Leq30min, dB(A)
	11:46	12:16	49.0-86.8	32.9-36.7	73.4	76.4*
25-Sep-19	15:32	16:02	51.6-55.8	38.2-38.7	66.1	69.1
Ĩ	16:07	16:37	49.7-61.0	38.5-39.1	63.8	66.8
	9:22	9:52	51.6-54.8	37.5-38.5	58.2	61.2
26-Sep-19	15:18	15:48	43.9-56.6	32.6-34.4	54.9	57.9
	15:50	16:20	42.7-48.5	33.6-35.5	55.3	58.3
	9:08	9:38	40.5-46.7	33.5-36.4	57.2	60.2
27-Sep-19	14:25	14:55	39.1-43.3	32.6-36.6	40.7	43.7
-	14:56	15:26	41.8-45.2	33.5-36.0	44.7	47.7
	9:12	9:42	40.9-45.2	33.0-36.3	59.0	62.0
28-Sep-19	14:33	15:03	41.0-42.5	33.4-34.5	42.1	45.1
Ĩ	15:05	15:35	42.0-45.4	33.6-34.6	41.6	44.6
	9:17	9:47	36.6-57.9	31.1-31.1	57.8	60.8
29-Sep-19#	14:00	14:30	42.0-48.2	33.3-33.3	63.7	66.7
1	14:31	15:01	34.2-45.2	33.2-33.2	57.9	60.9
	9:09	9:39	42.0-44.2	33.5-33.5	41.9	44.9
30-Sep-19	14:28	14:58	41.0-44.2	34.0-34.0	61.5	64.5
1	14:59	15:29	43.3-46.3	33.5-33.5	58.5	61.5
	9:20	9:50	36.4-58.2	31.0-31.0	62.4	65.4
1-Oct-19#	13:49	14:19	41.0-46.5	32.6-32.6	65.8	68.8
	14:20	14:50	36.7-52.8	32.1-32.1	59.0	62.0
	9:24	9:54	43.5-46.7	33.1-33.1	58.8	61.8
2-Oct-19	14:42	15:12	41.4-50.5	34.0-34.0	63.3	66.3
	15:13	15:43	40.2-50.5	33.2-33.2	62.0	65.0
	9:18	9:48	44.5-47.6	33.3-33.3	62.5	65.5
3-Oct-19	14:31	15:01	43.2-52.9	32.0-32.0	59.4	62.4
	15:02	15:32	42.6-46.5	32.4-32.4	66.1	69.1
	9:07	9:37	41.9-61.5	34.3-34.3	65.4	68.4
4-Oct-19	14:12	14:42	41.7-57.1	34.5-34.5	62.0	65.0
	14:44	15:14	41.2-44.2	34.4-34.4	57.6	60.6
	9:25	9:55	40.5-46.1	34.4-34.4	61.2	64.2
5-Oct-19	14:43	15:13	49.0-54.3	37.0-37.0	68.0	71.0
	15:14	15:44	48.4-56.5	37.2-37.2	63.2	66.2
	9:15	9:45	40.3-47.0	33.5-33.5	62.6	65.6
6-Oct-19#	13:49	14:19	36.5-40.6	31.0-31.0	66.7	69.7
	14:21	14:51	36.0-38.1	32.2-32.2	60.6	63.6
	9:07	9:37	50.5-70.5	36.5-36.5	61.4	64.4
7-Oct-19#	13:13	13:43	41.0-64.5	37.0-37.0	52.8	55.8
	13:45	14:15	42.0-60.0	37.5-37.5	51.9	54.9
	9:19	9:49	43.2-48.9	34.0-34.0	57.8	60.8
8-Oct-19	14:46	15:16	43.6-47.8	33.4-33.4	57.1	60.1
	15:18	15:48	44.3-48.5	33.7-33.7	59.3	62.3

Table 4-4Noise Monitoring Results of N4 – Village House in Sha Ling as located the
Project south-east direction

Note: Sound level meter set at monitoring stations is made free-field measurement, façade correction (+3dB(A)) has added according to acoustical principles and EPD guidelines *High noise level recorded due to dog barking

Grey cells with # - Monitoring events during restricted hours on Sunday or Public Holiday

4.1.3 Based on above tables, each monitoring station background noise summary is listed in *Table 4-5*.



Station	tion Time Period		Results, dB(A)			
ID	Time Period	Mean	Max	Min		
N1	Normal Daytime $0700-1900 - L_{eq(30min)}$	63.5	71.0	45.3		
111	Restricted Hours 0700-1900 Sunday/holiday – Leq(30min)	63.3	67.1	54.2		
N2a	Normal Daytime $0700-1900 - L_{eq(30min)}$	61.6	74.6	44.7		
INZa	Restricted Hours 0700-1900 Sunday/holiday – Leq(30min)	54.4	58.0	46.3		
N3a	Normal Daytime $0700-1900 - L_{eq(30min)}$	73.0	82.8	47.8		
INDa	Restricted Hours 0700-1900 Sunday/holiday – Leq(30min)	65.3	70.1	48.8		
N4	Normal Daytime $0700-1900 - L_{eq(30min)}$	66.2	76.4	43.7		
184	Restricted Hours 0700-1900 Sunday/holiday – $L_{eq(30min)}$	65.1	69.7	54.9		

Table 4-5 Summaries of Noise Monitoring Results

4.1.4 Although no construction activities under the project were observed during the baseline monitoring period but dog barking was encountered during the baseline monitoring since all the monitoring stations located nearby Village house in Sha Ling. Some extremely high noise level such as N1 on 30th September 2019 at 13:10, N2a on 25th September 2019 at 10:58, N3a on on 8th October 2019 at 17:18, and N4 on 25th September 2019 at 11:46 were recorded due to dog barking. In addition, two high noise measurement were recorded at N3a on 4th October 2019 at 11:11 & 11:41 due to unloading of goods by villagers.



5 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSIONS

5.1.1 The baseline noise monitoring was carried out during the period between 25 September 2019 and 8 October 2019. During the baseline monitoring period, no construction activities of this project or other external influencing factors of significant concern such as construction activities under the other Projects was observed by the ET. Moreover, no noise measurement was carried out in the presence of rain and fog.

5.1.2 As stipulated in the EM&A Manual, the construction noise action and limit level is follows:

Table 5-1Action and Limit Levels of Construction Noise

Manitaring Lagotian	Action Level	Limit Level		
Monitoring Location	Time Period: 0700-1900 hours on normal weekdays			
N1,N2a, N3a, N4	When one or more documented complaints are received	75 dB(A)		
noise permit issue 2 70dB(A) for schools	carried out during restricted hours, the c od by the NCA have to be followed. s and 65dB(A) during school examination mitoring location N2a and N3a are pr	n periods		

monitoring

5.1.3 No revision is considered required to be included in the EM&A Manual.

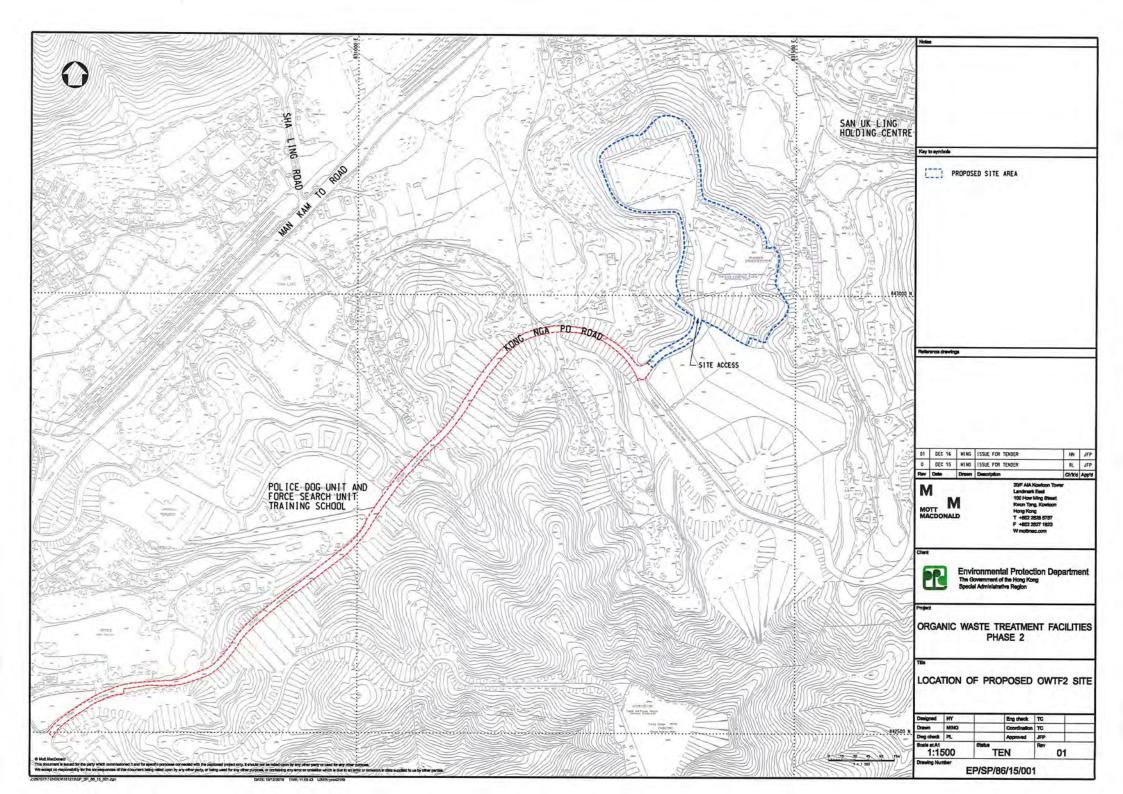
5.2 **RECOMMENDATIONS**

5.2.1 If the changes in baseline conditions are evident, the environmental performance criteria should be re-established by agreement of the Engineer and IEC and submitted to EPD endorse.



Appendix A

Layout Plan of the Project

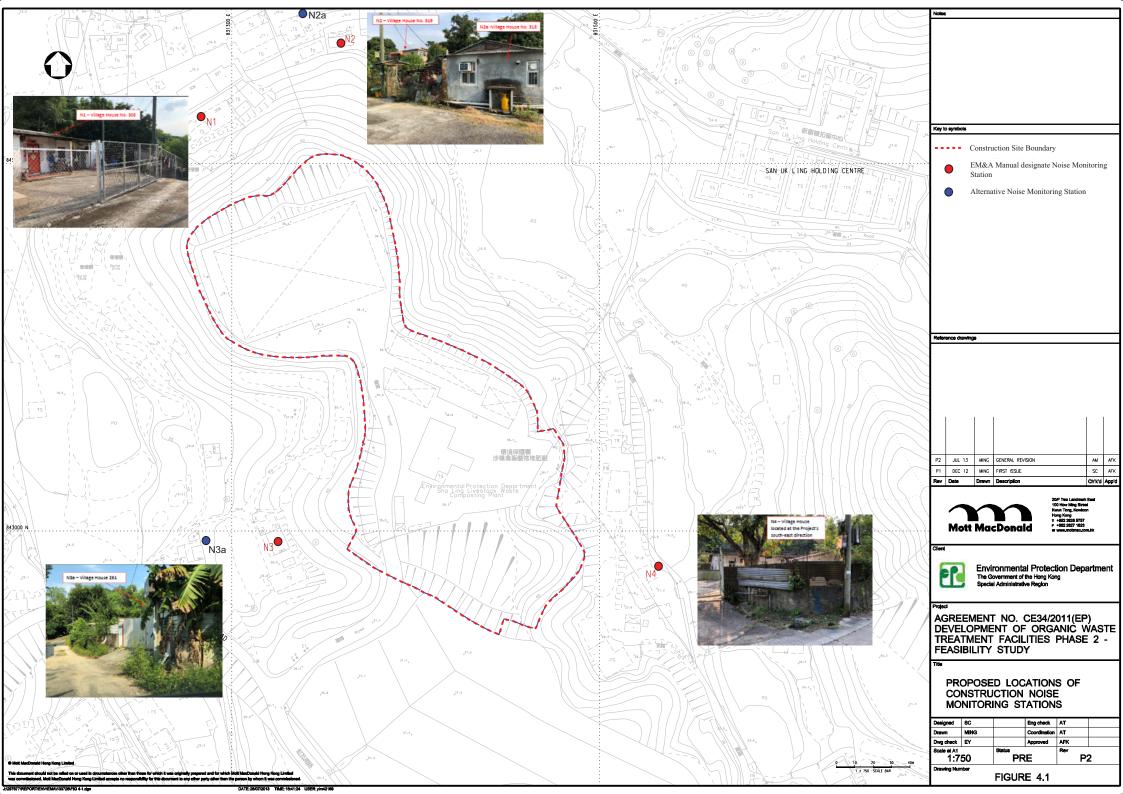




Appendix B

Noise Monitoring Locations

 $Z:\label{eq:loss} Z:\label{eq:loss} 2019\TCS01062(EP_SP_86_15)\600\Report\Submission\Baseline\Report\R0012v8.doc$





Photos of Monitoring Locations





Appendix C

Valid Calibration Certificate of Monitoring Equipment



輝創工程有限公司 Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C186448 證書編號

頁目	(Job No. / 序引編號: IC18-0867)	Date of Receipt / 收件日期: 8 November 2018
:	Sound Calibrator (EQ089)	
12	Rion	
1	NC-75	
:	34680623	
:	Action-United Environmental Services	and Consulting
	Unit A, 20/F., Gold King Industrial Bu	ilding,
	35-41 Tai Lin Pai Road, Kwai Chung,	N.T.
	頁目 : : :	 Rion NC-75 34680623 Action-United Environmental Services Unit A, 20/F., Gold King Industrial But

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Line Voltage / 電壓 : --- Relative Humidity / 相對濕度 : (50±25)%

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 24 November 2018

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only. The results do not exceed manufacturer's specification. The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試 H T Wong Technical Officer Certified By 核證 K C Lee

Date of Issue 簽發日期 2

27 November 2018

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準。局部複印本證書需先獲本實驗所書面批准。

Engineer

Sun Creation Engineering Limited – Calibration & Testing Laboratory c/o 4/F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong 輝創工程有限公司 — 校正及檢測實驗所 c/o 香港新界屯門興安里—號四樓 Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com



Certificate No. : C186448 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.
- 2. The results presented are the mean of 3 measurements at each calibration point.
- 3. Test equipment :

Equipment ID CL130 CL281 TST150A Description Universal Counter Multifunction Acoustic Calibrator Measuring Amplifier Certificate No. C183775 CDK1806821 C181288

- 4. Test procedure : MA100N.
- 5. Results :
- 5.1 Sound Level Accuracy

UUT	Measured Value	Mfr's Spec.	Uncertainty of Measured Value
Nominal Value	(dB)	(dB)	(dB)
94 dB, 1 kHz	94.0	± 0.25	± 0.2

5.2 Frequency Accuracy

UUT Nominal Value	Measured Value	Mfr's	Uncertainty of Measured Value
(kHz)	(kHz)	Spec.	(Hz)
1	1.000 0	1 kHz ± 0.1 %	± 0.1

Remark : The uncertainties are for a confidence probability of not less than 95 %.

Note :

Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.



輝創工程有限公司 Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C185605 證書編號

ITEM TESTED / 送檢項	目	(Job No. / 序引編號: IC18-0867) Date of Receipt / 收件日期: 26 September 2018
Description / 儀器名稱	2	Sound Level Meter (EQ011)
Manufacturer / 製造商	5	Rion
Model No. / 型號	:	NL-52
Serial No. / 編號	:	01121362
Supplied By / 委託者	:	Action-United Environmental Services and Consulting
		Unit A, 20/F., Gold King Industrial Building,
		35-41 Tai Lin Pai Road, Kwai Chung, N.T.

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23±2)°C Line Voltage / 電壓 : --- Relative Humidity / 相對濕度 : (50±25)%

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 14 October 2018

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only. The results do not exceed manufacturer's specification. The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Agilent Technologies / Keysight Technologies
- Rohde & Schwarz Laboratory, Germany
- Fluke Everett Service Center, USA

Tested By 測試	: K¢Lee Engineer			
Certified By 核證	: <u>Chim than</u> <u>Chim</u> H C Chan Engineer	Date of Issue 簽發日期	:	19 October 2018

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

本證書所載校正用之測試器材均可溯源至國際標準・局部複印本證書需先獲本實驗所書面批准・

Sun Creation Engineering Limited – Calibration & Testing Laboratory c/o 4/F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong 輝創工程有限公司 — 枝正及檢測實驗所 c/o 香港新界屯門興安里一號四樓 Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com Page 1 of 4



輝創工程有限公司 Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C185605 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- 2. Self-calibration was performed before the test.
- 3. The results presented are the mean of 3 measurements at each calibration point.
- 4. Test equipment :

Equipment ID	Description	Certificate No.
CL280	40 MHz Arbitrary Waveform Generator	C180024
CL281	Multifunction Acoustic Calibrator	CDK1806821

- 5. Test procedure : MA101N.
- 6. Results :
- 6.1 Sound Pressure Level
- 6.1.1 Reference Sound Pressure Level

UUT Setting			Applied Value		UUT	IEC 61672	
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Class 1 Spec. (dB)
30 - 130	LA	A	Fast	94.00	1	93.7	± 1.1

6.1.2 Linearity

UUT Setting				Applied Value		UUT
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)
30 - 130	L _A	A	Fast	94.00	1	93.7 (Ref.)
NAME OF BRIDE		1 C - C - C	104.00		103.7	
	1 - A		1	114.00	· · · · · ·	113.7

IEC 61672 Class 1 Spec. : \pm 0.6 dB per 10 dB step and \pm 1.1 dB for overall different.

6.2 Time Weighting

UUT Setting			Applied Value		UUT	IEC 61672	
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Class 1 Spec. (dB)
30 - 130 L _A	A	A Fast	94.00	0 1	93.7	Ref.	
			Slow			93.7	± 0.3

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輝創工程有限公司 Sun Creation Engineering Limited Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No.: C185605 證書編號

6.3 Frequency Weighting

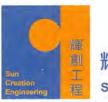
6.3.1 A-Weighting

UUT Setting			Appl	Applied Value		IEC 61672	
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq.	Reading (dB)	Class 1 Spec. (dB)
30 - 130	L_A	A	Fast	94.00	63 Hz	67.4	-26.2 ± 1.5
					125 Hz	77.5	-16.1 ± 1.5
					250 Hz	85.0	-8.6 ± 1.4
					500 Hz	90.5	-3.2 ± 1.4
					1 kHz	93.7	Ref.
					2 kHz	94.9	$+1.2 \pm 1.6$
					4 kHz	94.7	$+1.0 \pm 1.6$
					8 kHz	92.7	-1.1 (+2.1 ; -3.1)
					12.5 kHz	89.3	-4.3 (+3.0 ; -6.0)

6.3.2 C-Weighting

UUT Setting			Appli	ied Value	UUT	IEC 61672	
Range (dB)	Function	Frequency Weighting	Time Weighting	Level (dB)	Freq.	Reading (dB)	Class 1 Spec. (dB)
30 - 130	L _C	С	Fast	94.00	63 Hz	92.8	-0.8 ± 1.5
			1		125 Hz	93.5	-0.2 ± 1.5
					250 Hz	93.7	0.0 ± 1.4
					500 Hz	93.7	0.0 ± 1.4
					1 kHz	93.7	Ref.
					2 kHz	93.5	-0.2 ± 1.6
				4 kHz	92.9	-0.8 ± 1.6	
					8 kHz	90.8	-3.0 (+2.1 ; -3.1)
					12.5 kHz	87.3	-6.2 (+3.0 ; -6.0)

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輝創工程有限公司 Sun Creation Engineering Limited Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C185605 證書編號

Remarks : - UUT Microphone Model No. : UC-59 & S/N : 12912

- Mfr's Spec. : IEC 61672 Class 1

- Uncertainties of Applied Value :	94 dB :	63 Hz - 125 Hz	: ± 0.35 dB
		250 Hz - 500 Hz	: ± 0.30 dB
		1 kHz	: ± 0.20 dB
		2 kHz - 4 kHz	: ± 0.35 dB
		8 kHz	: ± 0.45 dB
		12.5 kHz	: ± 0.70 dB
	104 dB:	1 kHz	: ± 0.10 dB (Ref. 94 dB)
	114 dB:	1 kHz	: ± 0.10 dB (Ref. 94 dB)

- The uncertainties are for a confidence probability of not less than 95 %.

Note :

Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

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Certificate No.: C192956 證書編號

ITEM TESTED / 送檢」	頁目	(Job No. / 序引編號: IC19-1098)	Date of Receipt / 收件日期: 30 May 2019
Description / 儀器名稱	:	Sound Calibrator (EQ082)	
Manufacturer / 製造商	:	Brüel & Kjær	
Model No. / 型號	:	4231	
Serial No. / 編號	:	2713428	
Supplied By / 委託者	:	Action-United Environmental Services an	nd Consulting
of the state of the second		Unit A, 20/F., Gold King Industrial Build	ling,
		35-41 Tai Lin Pai Road, Kwai Chung, N.	Т.

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Line Voltage / 電壓 : --- Relative Humidity / 相對濕度 : (50±25)%

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 7 June 2019

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only. The results do not exceed manufacturer's specification. The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Agilent Technologies / Keysight Technologies

1

- Fluke Everett Service Center, USA

Tested By 測試

H T Wong

Technical Officer

K C Lee Engineer

Certified By 核證

Date of Issue 簽發日期

.

12 June 2019

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.



Certificate No. : C192956 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours before the commencement of the test.
- 2. The results presented are the mean of 3 measurements at each calibration point.
- 3. Test equipment :

Equipment IDDescriptionCertificate No.CL130Universal CounterC183775CL281Multifunction Acoustic CalibratorCDK1806821TST150AMeasuring AmplifierC181288

- 4. Test procedure : MA100N.
- 5. Results :
- 5.1 Sound Level Accuracy

UUT Nominal Value	Measured Value (dB)	Mfr's Spec. (dB)	Uncertainty of Measured Value (dB)
94 dB, 1 kHz	94.0	± 0.2	± 0.2
114 dB, 1 kHz	114.1	· · · · · · · · · · · · · · · · · · ·	

5.2 Frequency Accuracy

UUT Nominal Value	Measured Value	Mfr's	Uncertainty of Measured Value
(kHz)	(kHz)	Spec.	(Hz)
1	1.000 0	1 kHz ± 0.1 %	± 0.1

Remark : The uncertainties are for a confidence probability of not less than 95 %.

Note :

Only the original copy or the laboratory's certified true copy is valid.

The values given in this Certificate only relate to the values measured at the time of the test and any uncertainties quoted will not include allowance for the equipment long term drift, variations with environment changes, vibration and shock during transportation, overloading, mis-handling, or the capability of any other laboratory to repeat the measurement. Sun Creation Engineering Limited shall not be liable for any loss or damage resulting from the use of the equipment.

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Certificate No. : C193753 證書編號

ITEM TESTED / 送檢功	頁目	(Job No./序引編號: IC19-1098)	Date of Receipt / 收件日期: 5 July 2019
Description / 儀器名稱 Manufacturer / 製造商 Model No. / 型號	: : :	Integrating Sound Level Meter (EQ006) Brüel & Kjær 2238	
Serial No. / 編號 Supplied By / 委託者	:	2285762 Action-United Environmental Services and C Unit A, 20/F., Gold King Industrial Building 35-41 Tai Lin Pai Road, Kwai Chung, N.T.	

TEST CONDITIONS / 測試條件

Temperature / 溫度 : (23 ± 2)°C Line Voltage / 電壓 : --- Relative Humidity / 相對濕度 : (50±25)%

TEST SPECIFICATIONS / 測試規範

Calibration check

DATE OF TEST / 測試日期 : 16 July 2019

TEST RESULTS / 測試結果

The results apply to the particular unit-under-test only. The results do not exceed manufacturer's specification. The results are detailed in the subsequent page(s).

The test equipment used for calibration are traceable to National Standards via :

- The Government of The Hong Kong Special Administrative Region Standard & Calibration Laboratory
- The Bruel & Kjaer Calibration Laboratory, Denmark
- Agilent Technologies / Keysight Technologies
- Fluke Everett Service Center, USA

Tested By 測試

K P Cheuk

Assistant Engineer

K C Lee Engineer

Certified By 核證

Date of Issue 簽發日期 :

22 July 2019

The test equipment used for calibration are traceable to the Nation Standards as specified in this certificate. This certificate shall not be reproduced except in full, without the prior written approval of this laboratory.

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Sun Creation Engineering Limited – Calibration & Testing Laboratory c/o 4/F, 1 Hing On Lane, Tuen Mun, New Territories, Hong Kong 輝創工程有限公司 — 校正及檢測實驗所 c/o 香港新界屯門興安里一號四樓 Tel/電話: (852) 2927 2606 Fax/傳真: (852) 2744 8986 E-mail/電郵: callab@suncreation.com Website/網址: www.suncreation.com



Certificate No. : C193753 證書編號

- 1. The unit-under-test (UUT) was allowed to stabilize in the laboratory for over 12 hours, and switched on to warm up for over 10 minutes before the commencement of the test.
- 2. Self-calibration using laboratory acoustic calibrator was performed before the test from 6.1.1.2 to 6.4.
- 3. The results presented are the mean of 3 measurements at each calibration point.
- 4. Test equipment :

Equipment ID CL280 CL281 Description 40 MHz Arbitrary Waveform Generator Multifunction Acoustic Calibrator <u>Certificate No.</u> C190176 CDK1806821

- 5. Test procedure : MA101N.
- 6. Results :
- 6.1 Sound Pressure Level
- 6.1.1 Reference Sound Pressure Level
- 6.1.1.1 Before Self-calibration

1111	UUT	Setting		Applied	d Value	UUT
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)
50 - 130	LAFP	А	F	94.00	1	94.4

6.1.1.2 After Self-calibration

UUT Setting				Applie	d Value	UUT	IEC 60651	
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Type 1 Spec. (dB)	
50 - 130	LAFP	А	F	94.00	1	94.1	± 0.7	

6.1.2 Linearity

UUT Setting				Applied	UUT	
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)
50 - 130	LAFP	А	F	94.00	1	94.1 (Ref.)
		1.1.1	1	104.00		104.1
			· · · · · · · · · · · · · · · · · · ·	114.00	1. Do	114.0

IEC 60651 Type 1 Spec. : ± 0.4 dB per 10 dB step and ± 0.7 dB for overall different.

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Sun Creation Engineering Limited

Calibration & Testing Laboratory

Certificate of Calibration 校正證書

Certificate No. : C193753 證書編號

6.2 Time Weighting

6.2.1 Continuous Signal

UUT Setting			Applied Value		UUT	IEC 60651	
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq. (kHz)	Reading (dB)	Type 1 Spec. (dB)
50 - 130	L _{AFP}	А	F	94.00	1	94.1	Ref.
	L _{ASP}		S		1	94.1	± 0.1
	LAIP		I			94.2	± 0.1

6.2.2 Tone Burst Signal (2 kHz)

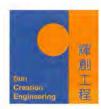
UUT Setting			App	lied Value	UUT	IEC 60651	
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Burst Duration	Reading (dB)	Type 1 Spec. (dB)
30 - 110	LAFP	A	F	106.0	Continuous	106.0	Ref.
	LAFMax				200 ms	104.9	-1.0 ± 1.0
	LASP		S		Continuous	106.0	Ref.
	L _{ASMax}			_	500 ms	102.0	-4.1 ± 1.0

6.3 Frequency Weighting

6.3.1 A-Weighting

	UUT	Setting		Appl	ied Value	UUT	IEC 60651
Range (dB)	Parameter	Frequency Time Weighting Weighting	Level (dB)	Freq.	Reading (dB)	Type 1 Spec. (dB)	
50 - 130	LAFP	А	F	94.00	31.5 Hz	55.2	-39.4 ± 1.5
					63 Hz	68.1	-26.2 ± 1.5
				125 Hz	78.0	-16.1 ± 1.0	
					250 Hz	85.4	-8.6 ± 1.0
					500 Hz	90.8	-3.2 ± 1.0
					1 kHz	94.1	Ref.
					2 kHz	95.3	$+1.2 \pm 1.0$
					4 kHz	95.1	$+1.0 \pm 1.0$
					8 kHz	93.0	-1.1 (+1.5 ; -3.0)
					12.5 kHz	89.9	-4.3 (+3.0 ; -6.0)

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Certificate of Calibration 校正證書

Certificate No. : C193753 證書編號

6.3.2 C-Weighting

	UUT	Setting		Appl	ied Value	UUT	IEC 60651		
Range (dB)	Parameter	Frequency Weighting	Time Weighting	Level (dB)	Freq.	Reading (dB)	Type 1 Spec. (dB)		
50 - 130	L _{CFP}	С	F	94.00	31.5 Hz	91.5	-3.0 ± 1.5		
			10000	63 Hz	93.4	-0.8 ± 1.5			
			125 Hz	93.9	-0.2 ± 1.0				
				250 Hz	94.1	0.0 ± 1.0			
					500 Hz	94.1	0.0 ± 1.0		
							1 kHz	94.1	Ref.
					2 kHz	93.9	-0.2 ± 1.0		
					4 kHz	93.3	-0.8 ± 1.0		
					8 kHz	91.1	-3.0 (+1.5 ; -3.0		
					12.5 kHz	88.0	-6.2 (+3.0 ; -6.0		

6.4

Time Averaging

	UUT	Setting			Applied Value				UUT	IEC 60804	
Range (dB)	Parameter	Frequency Weighting	Integrating Time	Frequency (kHz)	Burst Duration (ms)	Burst Duty Factor	Burst Level (dB)	Equivalent Level (dB)	Reading (dB)	Type 1 Spec. (dB)	
30 - 110	LAcq	A	10 sec.	4	1	1/10	110.0	100	100.0	± 0.5	
and the second							1/10 ²		90	90.0	± 0.5
			60 sec.			1/103		80	79.2	± 1.0	
			5 min.			1/104		70	69.2	±1.0	

Remarks : - UUT Microphone Model No. : 4188 & S/N : 2658547

- Mfr's Spec. : IEC 60651 Type 1 & IEC 60804 Type 1

- Uncertainties of Applied Value :	94 dB : 31.5 Hz - 125 Hz	: ± 0.35 dB
Transformed to be a strate of the second	250 Hz - 500 Hz	$\pm 0.30 \text{ dB}$
	1 kHz	$\pm 0.20 \text{ dB}$
	2 kHz - 4 kHz	$: \pm 0.35 dB$
	8 kHz	$\pm 0.45 \text{ dB}$
	12.5 kHz	$:\pm 0.70 \text{ dB}$
	104 dB : 1 kHz	$\pm 0.10 \text{ dB}$ (Ref. 94 dB)
	114 dB : 1 kHz	$\pm 0.10 \text{ dB}$ (Ref. 94 dB)
	Burst equivalent level	: ± 0.2 dB (Ref. 110 dB continuous sound level)

- The uncertainties are for a confidence probability of not less than 95 %.

Note :

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Appendix D

Baseline Monitoring Schedule



Baseline Noise Monitoring Schedule

Da	ate	Noise Monitoring (0700 – 1900)
Wed	25-Sep-19	\checkmark
Thu	26-Sep-19	\checkmark
Fri	27-Sep-19	\checkmark
Sat	28-Sep-19	\checkmark
Sun	29-Sep-19	\checkmark
Mon	30-Sep-19	\checkmark
Tue	1-Oct-19	\checkmark
Wed	2-Oct-19	\checkmark
Thu	3-Oct-19	\checkmark
Fri	4-Oct-19	\checkmark
Sat	5-Oct-19	\checkmark
Sun	6-Oct-19	\checkmark
Mon	7-Oct-19	\checkmark
Tue	8-Oct-19	\checkmark

✓

Monitoring Day Sunday or Public Holiday

Noise Monitoring Location

Monitoring Station	Location
N1	Village House No. 308, Sha Ling
N2a	Village House No. 318, Sha Ling
N3a	Village House No. 261, Sha Ling
N4	Village House in Sha Ling as located the Project south-east direction



Appendix E

Construction Noise Monitoring Results Data

								В	aseline	e Noise	e Mon	itoring	g resul	lts								
N1 - Villa	ige Hou	se No.3(0					1												I	
	Start		1st	Leq (5n	nin)		Leq (5r	nin)	3rd	Leq (5r	nin)	4th	Leq (5r	nin)	5th	Leq (5r	nin)	6th	Leq (5n	nin)	Leq30min,	Façade
Date	Time	End Time	Leq, dB(A)	L10, dB(A)	L90, dB(A)	dB(A)	Corrected Leq30min															
	10:16	10:46	46.1	46.5	37.5	42.2	43.5	37.6	44.1	46.3	36.7	42.0	44.0	37.8	41.6	44.1	37.1	41.9	43.5	36.9	43.3	46.3
25-Sep-19	14:08	14:38	44.8	48.1	38.0	42.6	45.1	38.2	41.9	44.6	38.0	41.8	44.5	37.2	42.5	45.5	38.5	42.8	45.4	38.8	42.9	45.9
	17:30	18:00	39.1	41.9	34.4	41.8	44.1	34.4	44.0	49.6	35.4	42.8	44.0	35.9	43.1	45.1	35.4	41.5	43.7	34.3	42.3	45.3
	10:38	11:08	64.8	45.2	37.2	41.2	43.0	37.5	43.3	44.3	38.3	42.2	43.5	38.2	42.5	43.6	37.1	42.2	43.8	37.0	57.1	60.1
26-Sep-19	14:01	14:31	66.0	48.3	38.9	41.3	43.8	37.4	49.3	44.3	38.2	58.2	57.6	37.4	45.9	46.5	37.2	43.4	45.8	38.2	59.0	62.0
	17:16	17:46	41.8	42.1	36.2	40.5	41.0	35.3	44.2	43.2	37.2	42.2	41.1	35.1	43.2	42.1	36.5	41.6	40.8	35.4	42.4	45.4
27.0 10	10:36	11:06	68.1	48.4	40.3	46.0	48.2	40.8	46.8	50.0	41.4	45.5	47.5	41.6	46.4	48.9	40.5	46.1	48.0	40.7	60.5	63.5
27-Sep-19	13:03 16:14	13:33 16:44	64.7 68.6	46.4 49.3	38.6 38.4	40.8 42.1	42.4 43.4	38.1 37.6	44.0 45.5	46.3 43.5	40.1 38.5	45.0 45.7	48.7 46.6	39.1 37.6	43.9 43.7	46.9 45.2	38.6 38.9	40.5 42.3	44.1 44.1	38.5 37.9	57.1 60.9	60.1 63.9
	10:14	10:44	71.2	49.3 65.8	41.6	42.1	45.4	37.6	45.5	45.4	40.9	45.7	46.5	40.8	43.7	45.2	39.9	42.3	44.1	39.9	63.5	66.5
28-Sep-19	13:16	13:46	67.3	45.3	37.5	42.2	46.0	39.2	44.0	47.0	39.3	44.4	45.2	37.5	43.3	46.0	39.9	43.2	45.2	37.3	59.6	62.6
20-5 c p-17	16:24	16:54	70.8	50.8	34.8	46.2	48.7	34.1	42.3	46.7	32.9	45.3	48.9	33.9	46.2	49.9	33.7	41.1	47.9	32.2	63.1	66.1
	10:43	11:13	69.3	46.0	37.3	49.8	47.8	36.4	62.0	66.1	41.3	45.5	47.3	40.1	47.5	46.4	38.1	45.7	45.2	37.0	62.4	65.4
29-Sep-19	12:43	13:13	68.6	46.0	37.4	57.6	43.8	36.2	43.6	46.5	37.4	41.2	43.9	36.1	42.8	45.7	37.9	41.8	43.0	36.2	61.2	64.2
-	15:50	16:20	66.9	45.1	38.0	42.9	46.5	38.2	46.2	47.3	39.0	47.5	48.5	40.2	45.6	46.6	39.3	43.3	45.9	38.4	59.3	62.3
	10:15	10:45	70.6	50.4	40.4	44.6	46.0	39.9	44.2	45.2	40.9	44.3	45.7	39.2	43.6	44.2	38.5	42.5	44.0	38.1	62.9	65.9
30-Sep-19	13:10	13:40	75.8	78.2	42.5	47.5	48.4	40.4	47.6	48.5	41.2	45.2	47.2	41.3	46.3	48.3	40.5	45.3	46.2	41.5	68.0	71.0
	16:16	16:46	71.3	46.8	38.1	42.5	46.9	38.1	46.2	48.8	39.2	47.2	48.7	39.3	46.5	47.4	39.5	45.5	47.1	38.2	63.6	66.6
	10:38	11:08	69.8	46.3	37.2	50.1	47.2	36.6	56.4	48.6	41.6	45.5	47.5	40.5	46.0	48.6	40.0	46.2	47.8	41.2	62.3	65.3
1-Oct-19	12:32	13:02	71.8	48.1	38.5	46.3	43.4	37.7	46.8	44.2	37.7	46.4	45.3	38.5	49.0	47.2	39.2	41.1	44.1	37.2	64.1	67.1
	15:37	16:07	60.6	45.1	37.2	40.3	43.7	36.1	43.4	44.2	37.0	43.4	43.5	36.1	43.8	43.6	36.2	44.0	44.3	36.5	53.2	56.2
	10:47	11:17	67.1	47.4	40.4	43.7	45.5	40.7	43.5	45.9	39.2	42.5	44.8	39.6	43.8	45.7	40.1	43.2	45.1	40.0	59.4	62.4
2-Oct-19	13:21	13:51	53.8	46.5	34.8	43.9	45.8	40.8	47.9	50.3	42.9	46.4	48.5	42.8	46.2	44.2	42.9	47.3	50.7	42.4	48.9	51.9
	16:31 10:37	17:01	71.3	47.3	41.5 42.8	49.2	46.5	39.4 40.5	45.0 46.4	45.4 46.9	37.4 41.3	43.5 45.4	45.9 45.5	36.9 39.5	46.2 47.7	46.7	38.7 40.0	45.6	46.1	38.2 41.1	63.6	66.6 68.1
3-Oct-19	10:37	11:07 13:42	72.8 69.1	48.1 44.2	42.8	43.2 45.2	45.8 46.5	40.5 39.5	46.4	46.9	41.5 39.6	45.4	45.5	40.8	47.7	46.0 47.6	40.0	45.4 48.5	45.3 48.6	41.1	65.1 61.5	64.5
3-001-19	16:19	16:49	67.6	44.2	42.5 39.4	63.2	46.6	39.3	43.2	43.4	36.8	55.5	40.3	37.6	46.6	44.3	36.6	48.3 50.6	45.2	37.9	61.5	64.5
	10:19	10:58	53.0	45.4	40.3	42.3	44.6	39.1	44.0	46.1	41.1	44.0	46.5	40.3	43.8	45.7	40.3	41.1	44.1	39.6	47.0	50.0
4-Oct-19	12:52	13:22	53.3	49.4	42.8	49.3	56.4	39.5	40.9	43.1	37.7	40.9	46.6	36.0	45.3	48.6	38.4	42.5	45.1	36.9	48.0	51.0
-	16:03	16:33	69.7	47.6	40.2	43.5	45.1	40.5	47.3	46.2	40.5	41.6	44.0	39.0	43.6	45.2	39.2	45.7	45.0	39.6	62.0	65.0
	10:45	11:15	58.5	54.5	39.5	50.6	52.7	36.7	48.4	50.5	37.7	49.5	51.7	40.8	47.7	50.7	37.4	46.7	50.8	39.6	52.6	55.6
5-Oct-19	13:26	13:56	67.9	46.0	37.5	42.3	42.4	38.8	44.9	44.3	38.7	45.5	46.0	39.8	41.0	43.6	38.0	43.4	45.3	39.3	60.2	63.2
	16:33	17:03	57.1	49.5	40.6	45.0	46.5	39.3	47.0	49.9	41.5	45.3	48.9	40.4	42.5	47.5	39.2	46.6	48.0	40.2	50.6	53.6
	10:36	11:06	67.3	48.4	37.5	47.3	47.8	36.8	43.4	46.8	36.7	45.5	47.9	37.7	42.5	46.2	36.5	44.0	46.1	37.3	59.6	62.6
6-Oct-19	12:31	13:01	68.7	43.3	37.1	44.2	43.3	37.4	44.5	44.4	38.2	41.1	43.5	38.0	49.2	45.2	38.6	45.2	44.1	38.6	61.0	64.0
	15:37	16:07	68.5	45.9	38.8	40.2	43.9	38.8	40.5	43.9	38.8	42.5	44.6	37.9	43.8	44.5	37.2	41.8	43.0	37.7	60.8	63.8
	10:19	10:49	55.5	58.5	39.5	49.6	48.0	40.0	53.5	49.5	45.5	46.4	47.5	45.0	46.5	48.0	44.5	45.4	46.0	44.0	51.2	54.2
7-Oct-19	15:41	16:11	62.5	66.0	36.5	40.5	44.0	35.5	39.1	40.0	35.0	48.7	48.0	37.0	40.4	41.5	35.5	43.9	42.0	36.0	55.0	58.0
	16:13	16:43	65.9	69.5	37.5	40.0	41.0	39.5	40.8	43.5	38.0	41.8	43.0	37.5	40.1	41.5	36.5	43.0	45.5	38.0	58.2	61.2
	10:41	11:11	68.2	48.6	41.6	43.5	46.2	40.2	43.0	45.6	38.5	45.6	46.6	40.6	46.6	48.8	40.8	46.4	47.3	41.0	60.5	63.5
8-Oct-19	13:23	13:53	57.9	45.8	40.2	43.9	45.7	40.5	45.2	50.0	42.4	48.5	44.8	41.4	44.6	47.9	41.6	44.2	47.5	40.5	51.3	54.3
	16:35	17:05	57.5	47.7	39.1	43.4	46.0	38.8	43.7	46.1	39.1	45.8	44.6	39.5	43.5	47.3	38.1	42.5	46.7	38.5	50.6	53.6

								Ba	seline	Noise	Moni	toring	result	ts								
N2a - V	illage Ho	use No. 3	· · ·	a Ling Leq (5n		2nd	Leq (5)	min)	3rd	Leq (51	nin)	4th	Leq (5r	nin)	5th	Leq (5r	nin)	6th	Leq (51	nin)		Distance &
Date	Start Time	End Time	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq30min, dB(A)	Façade Corrected Leg30min
	10:58	11:28	78.4	83.3	42.2	46.6	46.7	39.5	43.8	45.8	40.9	43.2	45.1	39.8	45.7	48.4	40.9	44.6	46.4	41.3	70.6	74.6
25-Sep-19	14:48	15:18	66.8	43.8	37.2	41.4	43.8	37.1	41.4	43.3	37.5	41.8	43.8	38.3	41.9	43.9	37.9	42.0	44.9	38.0	59.1	63.1
	16:52	17:22	65.0	45.7	36.6	40.9	43.4	37.5	42.4	44.8	38.0	41.9	43.8	37.2	42.5	44.4	38.0	41.1	43.0	37.9	57.3	61.3
	10:02	10:32	44.6	45.0	37.1	41.3	43.2	36.7	43.5	45.7	37.2	41.4	43.7	36.3	41.6	42.5	36.2	42.8	44.4	37.5	42.7	46.7
26-Sep-19	14:37	15:07	59.2	43.5	35.3	38.1	40.7	34.4	43.9	50.1	35.4	44.3	49.6	35.2	42.8	47.2	34.8	43.2	48.3	35.9	51.9	55.9
	16:40	17:10	39.7	42.0	36.3	40.3	42.5	36.1	39.0	41.4	35.1	42.6	43.4	36.2	41.7	42.8	35.8	40.0	41.2	35.9	40.7	44.7
	9:55	10:25	41.0	43.6	36.8	39.8	42.8	35.1	40.8	43.5	36.4	43.1	43.5	36.7	41.8	43.5	36.8	40.5	42.1	35.3	41.3	45.3
27-Sep-19	13:43	14:13	53.8	55.5	40.8	53.7	55.5	35.5	50.3	47.0	36.2	47.1	47.7	37.4	51.2	50.2	37.1	49.2	48.2	36.1	51.5	55.5
	15:38	16:08	40.2	48.6	35.0	38.3	46.0	34.3	42.4	49.4	35.2	43.4	50.5	35.0	41.0	48.6	34.2	40.2	47.9	34.1	41.2	45.2
	9:54	10:24	41.9	42.3	36.0	42.2	42.1	36.5	41.9	41.1	35.6	43.4	43.5	36.2	43.0	43.4	37.0	43.0	43.7	38.2	42.6	46.6
28-Sep-19	13:52	14:22	41.8	42.0	36.6	40.5	41.2	35.4	43.5	43.0	36.5	42.3	44.0	36.8	41.5	44.2	37.9	41.1	43.5	36.9	41.9	45.9
	15:47	16:17	57.2	46.0	35.2	39.5	40.1	34.6	44.2	43.2	35.8	45.1	43.0	34.8	40.4	43.2	35.6	43.0	44.4	35.4	50.2	54.2
	10:04	10:34	47.7	49.8	40.2	46.5	50.2	41.2	46.3	48.0	41.8	55.0	59.2	42.4	49.8	53.3	41.9	47.2	49.1	41.9	50.1	54.1
29-Sep-19	13:19	13:49	52.2	51.7	36.1	43.4	46.6	36.5	49.2	53.8	34.2	58.1	51.9	36.1	51.7	50.4	35.1	47.0	48.5	34.0	52.7	56.7
	15:14	15:44	43.2	43.5	36.1	41.5	42.8	35.5	42.7	43.9	36.1	41.2	42.8	35.4	47.2	43.8	36.5	56.2	43.1	36.5	49.5	53.5
	9:39	10:09	39.8	42.1	36.2	42.3	43.7	37.0	40.5	42.5	36.3	44.6	45.8	36.3	39.4	41.9	35.4	42.2	44.2	37.2	41.9	45.9
30-Sep-19	13:46	14:16	41.5	42.1	36.3	42.6	42.5	36.0	50.5	45.6	36.3	47.3	44.9	37.5	42.0	43.5	36.1	42.2	43.1	36.1	45.8	49.8
	15:40	16:10	49.2	48.7	36.3	48.2	47.7	35.0	47.7	47.2	35.6	44.5	46.2	35.6	46.2	47.0	36.3	48.0	48.6	36.7	47.5	51.5
1.0.10	10:02	10:32	39.6	42.5	35.1	40.4	43.7	36.6	49.5	46.5	36.5	47.8	46.8	37.6	42.7	44.9	36.4	43.7	43.9	35.3	45.5	49.5
1-Oct-19	13:07	13:37	45.7	48.2	36.6	44.2	46.6	35.8	46.2	48.5	36.9	43.5	46.6	34.1	48.6	49.9	36.2	45.2	47.9	34.3	45.9	49.9
	15:02	15:32	46.5	50.6	35.5	52.2	52.2	36.5	42.5	49.6	35.6	48.1	50.6	36.5	48.2	51.5	36.0	50.0	52.2	36.0	48.8	52.8
	10:09	10:39	59.2	54.5	38.8	48.9	50.2	41.7	46.7	50.7	38.4	48.5	50.0	42.8	47.5	50.3	41.9	48.4	50.7	42.9	52.8	56.8
2-Oct-19	14:00	14:30	64.1	62.6	61.8	62.4	62.7	62.0	62.6	63.0	62.2	62.5	62.8	62.1	63.5	62.7	62.1	64.1	63.1	62.8	63.3	67.3
	15:55	16:25	49.8	50.1	38.2	47.5	50.1	38.7	48.9	50.2	38.2	47.8	44.5	37.5	45.7	48.2	36.5	45.9	48.3	36.0	47.8	51.8
2 0 -+ 10	10:01	10:31	43.6	48.3	38.4	41.3	48.3	39.3	43.8	49.0	38.4	46.7	51.2	40.2	45.8	51.1	41.2	43.4	51.2	41.0	44.4	48.4
3-Oct-19	13:50	14:20	51.6	53.5	37.1	51.1	53.1	36.7	48.7	46.3	35.5	53.2	55.5	37.6	53.5	55.1	35.9	50.3	47.2	35.9	51.7	55.7
	15:43	16:13	61.7	44.3	41.1	49.1	48.2	41.7	45.7	48.3	38.2	48.7	48.2	40.5	48.2	49.2	41.5	47.6	50.5	42.5	54.8	58.8
4-Oct-19	9:50 13:20	10:20 13:50	42.4 43.0	42.8 43.2	36.5 36.8	45.1 40.4	47.1 42.4	38.0 37.0	41.2 40.6	43.3 43.0	36.6 37.3	42.6 41.9	44.7 45.3	37.0 37.2	44.5 40.2	46.3 43.1	38.2 36.1	41.5 40.1	44.8 42.2	36.3 36.9	43.1 41.2	47.1 45.2
4-001-19	15:26	15:56	42.7	43.6	36.2	40.4	41.1	35.5	43.3	43.0	36.5	40.6	41.0	35.0	40.2	42.2	35.2	40.1	41.0	35.6	41.2	46.0
	10:08	10:38	44.6	46.0	35.5	48.2	48.6	36.1	43.1	45.2	35.2	46.3	47.5	38.3	43.1	46.3	36.3	49.0	48.1	38.0	46.3	50.3
5-Oct-19	14:02	14:32	44.0	43.2	36.6	39.5	42.6	35.3	41.7	43.5	36.2	44.3	43.3	36.6	40.5	40.3	35.5	49.0	40.1	36.5	40.3	46.1
5-001-17	15:57	16:27	66.8	45.3	36.2	43.2	44.6	37.2	40.5	42.6	37.1	43.8	44.4	37.2	41.6	42.7	36.1	42.6	43.5	36.1	59.1	63.1
	9:59	10:27	48.7	50.5	42.4	45.2	49.6	41.3	40.3	42.0	40.3	43.8	46.8	40.5	41.0	42.7	40.7	46.3	49.0	42.2	45.4	49.4
6-Oct-19	13:07	13:37	43.8	43.1	34.8	44.5	49.0	35.6	41.2	42.2	34.5	44.3	44.6	35.2	40.5	42.0	34.3	43.1	44.0	34.0	43.1	47.1
0.000-17	15:32	16:02	43.7	43.4	36.4	42.7	43.8	36.2	41.4	42.5	35.5	43.7	44.3	35.0	40.5	42.2	34.6	40.2	42.3	34.6	42.3	46.3
	9:42	10:02	61.3	65.0	40.5	48.4	51.5	38.0	42.4	43.5	41.0	43.5	46.5	41.0	43.5	44.5	41.5	43.3	45.5	40.5	54.0	58.0
7-Oct-19	14:30	15:00	61.5	65.5	40.0	44.6	47.0	38.5	40.6	45.5	40.5	42.8	47.0	41.5	40.4	43.5	39.5	43.8	44.0	41.5	54.0	58.0
,	15:01	15:31	60.4	68.5	39.0	49.3	50.5	38.0	43.2	45.2	38.0	43.9	46.0	39.5	42.9	44.5	41.0	47.9	49.0	40.0	53.4	57.4
	10:03	10:33	38.7	40.4	34.9	40.2	42.5	34.2	45.3	44.4	35.6	48.1	46.7	35.4	50.2	48.3	35.2	47.2	46.1	34.3	46.6	50.6
8-Oct-19	14:04	14:34	43.7	43.4	36.0	42.5	42.5	36.1	41.6	42.6	37.9	45.6	46.0	38.2	40.5	43.4	37.6	43.1	44.2	38.7	43.1	47.1
0.00017	15:59	16:29	50.9	55.5	37.1	41.7	43.9	36.1	38.5	40.7	34.2	43.3	46.1	34.8	40.6	43.6	34.8	42.2	45.3	34.1	45.1	49.1
	15.57	10.27	50.9	55.5	57.1	71./	ч <i>Э.7</i>	50.1	50.5	ч0./	57.2	U.S.	1.01	54.0	-0.0	-5.0	JT.0	74.4	-J.J	54.1	чJ.1	77.1

N3a Vil	lage Hou	iso No 2	61 Sha	Ling				Ba	aseline	Noise	Moni	toring	resul	ts								
v Ja - v II	lage 1100	150 110.2	-	Leq (5n	nin)	2nd	Leq (5r	nin)	3rd	Leq (5r	nin)	4th	Leq (5r	nin)	5th	Leq (5r	nin)	6th	Leq (5n	nin)		Distance &
Date	Start Time	End Time	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq30min, dB(A)	Façade Correcteo Leg30min															
	9:32	10:02	48.7	44.2	33.7	40.5	43.6	35.4	38.8	39.0	33.8	44.0	44.3	34.4	52.2	47.8	35.8	72.9	64.0	35.1	65.2	71.2
25-Sep-19	13:24	13:54	72.2	52.2	36.2	38.7	40.8	36.2	45.6	47.9	37.0	45.8	47.9	38.4	40.2	43.3	37.1	41.8	44.9	37.1	64.4	70.4
	18:13	18:43	74.3	61.2	34.1	47.5	48.5	34.8	42.6	46.7	32.7	45.9	47.3	34.0	43.5	47.3	33.0	44.6	47.6	33.2	66.5	72.5
	11:20	11:50	67.2	52.5	39.5	46.5	49.4	38.1	47.6	50.6	38.1	44.8	51.9	38.4	51.8	52.8	39.2	45.8	50.7	38.3	59.7	65.7
26-Sep-19	13:17	13:47	50.5	54.5	39.7	52.7	53.5	38.3	46.6	51.5	38.6	48.0	51.4	40.0	47.6	51.1	38.1	48.6	52.4	39.5	49.5	55.5
	17:57	18:26	72.9	60.5	34.5	48.2	47.6	34.6	43.3	45.3	32.8	40.1	43.5	34.9	42.1	44.5	34.0	45.2	48.3	35.2	65.2	71.2
	11:19	11:49	72.2	59.2	41.3	50.2	53.0	40.4	50.7	53.8	37.3	52.1	53.9	38.4	50.5	53.1	38.2	52.4	54.7	38.2	64.6	70.6
27-Sep-19	11:50	12:20	69.1	65.9	38.8	55.3	58.3	38.3	47.8	51.4	35.9	52.3	56.9	36.2	53.9	57.9	37.1	50.5	54.9	36.1	61.8	67.8
	16:57	17:27	70.3	55.8	34.7	47.3	48.8	34.9	42.1	46.4	32.8	44.5	47.5	33.1	46.4	48.0	33.5	50.5	50.0	34.2	62.6	68.6
	11:12	11:42	68.9	54.4	37.8	41.2	50.5	37.9	45.5	53.6	37.0	48.4	53.9	38.0	47.4	51.9	38.2	47.2	51.2	38.2	61.2	67.2
28-Sep-19	11:44	12:14	72.7	61.6	38.3	51.3	53.9	38.8	50.5	52.5	38.9	49.5	51.6	37.2	51.1	53.6	38.1	57.4	56.3	38.1	65.1	71.1
	17:07	17:37	39.2	42.3	34.1	40.5	42.6	33.2	42.6	41.5	32.1	40.5	43.6	34.1	43.7	42.8	35.1	42.7	40.8	34.9	41.8	47.8
	11:27	11:57	66.6	51.4	30.8	44.4	48.2	32.4	48.4	52.1	31.0	43.5	48.2	31.2	45.8	50.5	31.3	44.1	49.7	31.2	59.0	65.0
29-Sep-19	11:59	12:29	69.8	51.9	31.3	48.1	50.2	31.0	42.4	44.5	29.2	42.0	46.9	29.3	43.2	46.8	29.1	42.7	45.9	29.2	62.1	68.1
	16:31	17:01	46.5	46.5	30.5	40.1	44.8	29.7	40.5	45.0	29.2	42.2	46.5	30.5	41.3	45.1	29.0	43.2	46.1	30.6	42.9	48.9
	10:59	11:29	68.3	62.5	39.0	51.5	53.3	38.0	47.4	51.6	39.1	49.5	51.3	40.5	54.2	55.5	38.2	46.2	52.3	38.7	60.9	66.9
30-Sep-19	11:31	12:01	73.2	69.9	39.6	46.4	52.4	38.1	47.5	52.0	38.0	49.0	52.8	38.2	48.9	52.5	38.4	56.1	51.5	38.2	65.6	71.6
	16:57	17:27	73.6	59.6	34.0	45.2	48.2	33.3	40.1	46.5	32.0	43.4	47.9	33.5	46.6	49.9	34.5	45.2	48.5	33.0	65.8	71.8
	11:19	11:49	65.5	49.5	30.6	43.6	48.6	31.4	47.2	49.5	31.5	46.3	48.9	31.9	41.3	50.9	34.8	45.1	51.2	33.9	57.9	63.9
1-Oct-19	11:50	12:20	40.9	44.3	33.4	42.2	45.2	33.2	45.5	48.0	34.6	43.1	46.1	32.9	41.5	44.0	29.7	42.2	43.5	29.3	42.8	48.8
	16:18	16:48	71.2	50.0	31.1	44.1	49.2	30.5	45.1	46.5	30.5	37.5	46.0	31.3	42.0	45.0	29.6	44.6	45.9	29.9	63.5	69.5
	11:30	12:00	46.9	47.9	34.0	50.7	52.8	37.7	45.4	49.4	35.1	48.0	51.5	37.8	46.5	49.2	36.2	44.7	48.2	35.7	47.5	53.5
2-Oct-19	12:02	12:32	45.0	44.4	34.8	44.3	51.8	37.6	47.6	51.2	39.1	45.0	48.4	39.1	47.6	50.9	39.1	48.1	51.8	39.2	46.5	52.5
	17:12	17:42	67.7	49.5	34.6	48.2	48.1	33.2	43.3	46.5	32.6	45.0	47.4	33.0	47.1	48.8	33.0	44.0	46.5	32.3	60.1	66.1
2.0 1 10	11:21	11:51	66.2	53.2	40.6	49.4	51.8	38.3	45.5	48.8	37.1	47.5	50.2	38.2	46.6	44.2	37.3	49.2	51.5	38.0	58.7	64.7
3-Oct-19	11:53	12:23	70.7	49.4	37.4	40.2	46.6	36.1	44.5	47.9	36.7	46.4	47.9	37.7	47.3	48.0	38.6	46.3	48.2	38.2	63.0	69.0
	17:01	17:31	45.2	44.7	32.6	46.1	50.2	33.1	45.2	49.2	32.6	47.4	51.0	33.8	45.2	50.0	32.2	48.3	51.5	34.3	46.4	52.4
4-Oct-19	11:11	11:41	50.6	53.0	32.6	72.3	78.3	61.2	78.6	80.2	75.2	78.7	80.9	73.8	77.3	80.0	73.1	78.5	80.2	74.5	76.8	82.8 81.4
4-Oct-19	11:41 16:44	12:11 17:14	78.3	80.5 60.8	75.3	78.5 46.2	80.6	73.6	78.3 41.2	61.1	54.8	47.4	56.5 47.6	43.4	50.8	53.8	45.5	48.1	52.0 47.3	44.1	75.4	81.4 72.6
			74.4	52.2	34.0	-	49.2	335		46.4	32.2	44.1	47.6	33.6	45.3	48.5	33.6	43.3		32.0	66.6	
5-Oct-19	11:27 11:58	11:57 12:28	70.3	52.2	36.6 35.1	40.5 46.6	47.2 44.9	36.5 34.7	43.2 47.2	49.5 50.5	34.6 35.6	44.1 45.6	50.5 48.6	35.9 34.5	43.2 47.1	50.4 49.0	34.2 34.6	45.4	51.2 47.5	35.4 34.6	62.6 46.6	68.6 52.6
5-001-19	11:58	12:28	47.7 69.8	50.6 62.4	35.1 34.5	46.6	44.9	34.7	47.2	50.5 50.4	35.6	45.6	48.6	34.5	47.1	49.0 51.2	34.6	45.1 42.3	47.5	34.6	46.6	52.6 68.1
	17:14	17:44	69.8 71.8	70.6	34.5	43.6	49.5	32.9	45.5	50.4	33.8	41.6	49.7	31.2	47.3	48.7	33.4	42.3	49.2	31.1	64.1	68.1 70.1
6-Oct-19	11:19	11:49	65.2	51.1	32.3	42.0	52.1	32.0	40.5	49.5	31.6	44.2	50.3	31.8	40.2	48.7	30.5	43.3	49.7	31.0	57.6	63.6
0-001-19	16:18	12:20	67.1	51.1	32.3	45.3	48.5	31.8	44.2	49.5	30.4	45.5	47.5	30.0	41.5	49.0	30.5	42.1	44.3	30.5	59.4	65.4
	10:18	10:48	63.8	66.5	41.5	45.5	48.5	40.0	53.8	49.5	41.0	44.9	47.5	42.0	42.0	46.7	42.5	42.5	40.3	42.0	56.6	63.4
7-Oct-19	16:51	11:40	63.4	67.5	38.5	46.9	51.0	39.5	47.7	49.5 51.5	39.5	42.5	43.0	42.0 39.0	44.1	43.0	42.5 39.5	43.8	44.5	38.0	55.9	61.9
/-001-19	17:24	17:21	59.3	63.5	38.5	48.0	42.0	39.5	41.7	43.0	39.5	41.3	43.0	39.0	41.0	41.5	39.5	40.3	41.5	38.0	51.9	57.9
	17:24	11:52	72.4	52.2	37.9	39.6	42.0	36.0	41.7	43.0	36.4	42.7	44.5	37.5	44.3	43.2	37.3	40.3	42.0	36.7	64.7	70.7
8-Oct-19	11:22	11:32	45.1	47.3	36.7	46.7	49.1	36.2	44.4	51.5	37.5	50.7	52.4	37.6	47.2	51.5	37.4	44.2	40.4	36.8	47.7	53.7
0-001-17	17:18	12:24	80.2	61.4	37.2	50.1	54.3	37.2	49.0	51.5	35.9	44.0	52.4	37.0	50.7	54.4	36.3	44.5	52.4	36.5	72.4	78.4
	1/:18	1/:48	80.2	01.4	31.2	30.1	34.3	31.2	48./	31.2	33.9	44.0	52.9	31.1	30.7	34.4	30.5	49.0	32.4	30.3	/2.4	/8.4

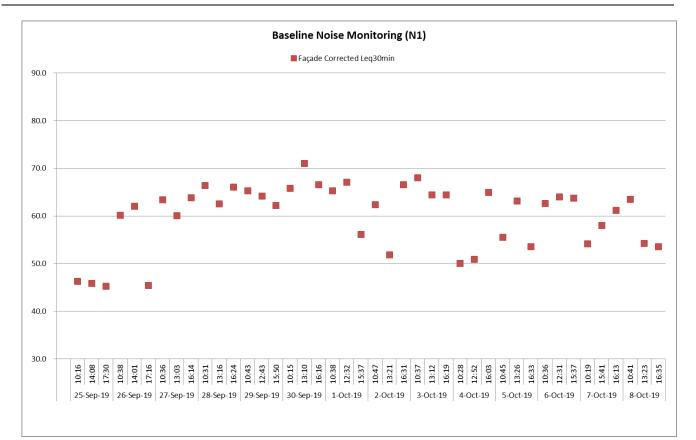
NA Vill	age House	in Sha I	ina					B	aseline	e Nois	e Mon	itorin	g resu	lts								
194 - V III2	age nouse			Leq (5n	nin)	2nd	Leq (51	min)	3rd	Leq (51	min)	4th	Leq (51	nin)	5th	Leq (51	nin)	6th	Leq (51	nin)		Façade
Date	Start Time	End Time	Leq, dB(A)	L10, dB(A)	L90, dB(A)	Leq30min, dB(A)	Corrected Leq30min															
	11:46	12:16	81.2	86.8	36.7	45.4	49.0	33.8	46.7	50.8	33.7	45.9	50.7	32.9	47.7	51.0	33.8	54.1	51.4	33.9	73.4	76.4
25-Sep-19	15:32	16:02	73.8	55.8	38.3	49.8	53.5	38.6	48.8	51.6	38.7	48.6	51.7	38.3	48.2	52.1	38.3	44.7	53.4	38.2	66.1	69.1
	16:07	16:37	71.1	61.0	39.1	50.1	53.4	38.7	59.9	49.7	38.5	52.6	54.9	38.6	50.8	51.6	38.9	53.2	55.3	38.8	63.8	66.8
	9:22	9:52	65.7	54.8	38.2	48.2	53.9	37.5	47.2	52.9	37.6	47.5	52.5	38.5	46.5	51.6	37.5	47.2	52.8	38.4	58.2	61.2
26-Sep-19	15:18	15:48	62.3	56.6	34.4	40.9	43.9	33.7	44.2	48.5	32.6	46.6	51.1	32.9	44.5	49.1	33.1	45.8	50.2	33.7	54.9	57.9
	15:50	16:20	62.9	48.0	35.5	44.2	48.5	34.4	41.4	44.2	33.7	39.8	42.7	34.3	40.2	43.9	33.6	41.5	44.8	33.9	55.3	58.3
	9:08	9:38	64.9	46.7	36.4	38.7	40.5	34.6	39.4	41.3	33.5	40.5	42.9	36.1	39.5	41.9	34.9	40.1	42.8	34.1	57.2	60.2
27-Sep-19	14:25	14:55	41.2	43.3	36.6	39.9	42.9	34.8	39.8	41.6	33.9	42.8	39.5	32.8	40.6	40.8	33.5	39.1	39.1	32.6	40.7	43.7
	14:56	15:26	43.9	41.9	33.5	40.7	43.5	35.3	46.5	42.9	36.0	41.6	45.2	34.5	43.5	42.9	35.4	47.8	41.8	34.9	44.7	47.7
	9:12	9:42	66.7	45.2	36.3	40.5	40.9	34.6	41.3	41.2	33.2	45.2	41.1	33.0	42.1	43.1	35.2	44.4	42.1	36.3	59.0	62.0
28-Sep-19	14:33	15:03	41.4	42.3	34.3	41.7	41.0	33.9	42.7	41.2	33.4	43.0	41.7	33.4	40.2	42.5	34.4	42.7	42.3	34.5	42.1	45.1
	15:05	15:35	43.6	45.2	34.6	40.2	44.2	33.6	38.5	42.0	34.2	39.6	43.2	33.7	43.8	45.4	34.0	41.0	44.9	34.1	41.6	44.6
	9:17	9:47	43.1	37.7	31.8	34.4	36.6	31.3	54.1	57.9	33.1	64.9	53.6	33.1	53.9	47.6	32.4	45.2	41.8	31.1	57.8	60.8
29-Sep-19	14:00	14:30	71.4	48.2	34.0	47.2	43.8	33.3	40.0	42.1	34.5	52.6	42.2	34.0	46.9	42.6	34.1	43.2	42.0	34.4	63.7	66.7
	14:31	15:01	65.4	45.2	34.0	52.6	44.2	34.3	36.9	38.8	33.6	39.5	42.2	34.8	37.8	40.9	33.2	39.8	34.2	34.0	57.9	60.9
	9:09	9:39	45.2	43.0	34.2	38.5	42.4	33.6	42.1	42.3	34.3	42.1	44.2	33.6	38.5	42.0	33.5	41.3	42.3	34.5	41.9	44.9
30-Sep-19	14:28	14:58	69.3	44.2	36.0	41.3	42.4	35.6	38.2	41.0	34.0	38.1	42.2	35.2	39.2	43.4	35.1	41.4	43.8	36.2	61.5	64.5
	14:59	15:29	66.2	46.3	36.2	42.5	44.1	34.1	40.8	43.3	33.5	44.2	45.5	35.8	42.0	43.5	33.8	43.3	44.2	34.8	58.5	61.5
	9:20	9:50	70.2	58.2	35.2	45.1	37.8	32.5	36.2	36.4	31.0	40.5	38.6	33.2	42.5	39.2	34.1	38.4	40.1	35.2	62.4	65.4
1-Oct-19	13:49	14:19	73.5	46.5	34.0	50.3	42.0	34.2	50.1	43.2	34.5	47.2	42.3	33.0	40.2	41.0	32.6	45.0	42.2	33.2	65.8	68.8
	14:20	14:50	66.7	52.8	33.1	42.0	37.9	32.8	35.2	36.7	32.8	40.7	37.8	33.7	42.3	38.9	34.5	38.1	37.5	32.1	59.0	62.0
	9:24	9:54	66.5	43.8	34.5	40.8	43.5	34.7	43.0	46.3	34.1	46.9	46.7	33.9	41.6	43.8	33.1	43.5	45.7	33.3	58.8	61.8
2-Oct-19	14:42	15:12	64.3	44.7	35.0	38.8	41.4	35.5	70.0	50.5	34.5	44.1	47.8	34.9	40.9	43.3	34.8	43.2	45.9	34.0	63.3	66.3
	15:13	15:43	69.7	50.5	36.1	39.5	40.2	34.5	40.2	41.5	33.6	45.2	43.8	35.3	43.3	42.8	34.6	41.2	41.7	33.2	62.0	65.0
	9:18	9:48	70.1	47.6	35.9	43.3	45.5	33.3	46.5	46.9	34.9	48.5	45.5	34.8	41.4	44.5	33.9	53.2	45.1	35.4	62.5	65.5
3-Oct-19	14:31	15:01	65.5	50.6	34.3	41.3	43.2	33.5	45.5	48.5	34.0	45.3	48.8	33.2	42.1	44.9	32.0	62.1	52.9	34.2	59.4	62.4
	15:02	15:32	73.9	46.5	35.0	47.2	43.6	33.2	42.1	42.6	34.3	38.0	42.9	33.0	41.2	43.8	32.4	41.3	44.8	32.5	66.1	69.1
10 1 10	9:07	9:37	67.8	52.2	37.2	42.5	45.2	35.5	71.7	61.5	37.8	42.6	41.9	34.8	46.2	48.2	36.2	43.3	45.1	34.3	65.4	68.4
4-Oct-19	14:12	14:42	69.7	57.1	37.2	42.2	45.7	35.3	42.5	41.7	34.5	44.3	43.5	36.7	42.3	42.2	35.5	43.2	42.0	35.6	62.0	65.0
	14:44	15:14	65.2	44.2	36.3	40.2	42.0	34.4	45.0	43.0	35.1	41.3	41.2	35.5	46.5	43.0	35.1	42.1	42.2	34.4	57.6	60.6
5 0-4 10	9:25	9:55	69.0	46.1	36.2	38.8	40.5	35.6	39.0	41.2	34.4	39.2	41.5	35.5	39.3	41.6	35.8	41.2	42.4	36.8	61.2	64.2
5-Oct-19	14:43	15:13	75.8	54.3	38.4	50.2	53.0	38.7	47.1	51.6	38.4	44.1	49.0	37.2	46.4	51.8	38.6	43.2	49.2	37.0	68.0	71.0
	15:14	15:44	70.9	56.5	39.0	48.5	51.5	37.8	50.6	53.7	38.0	49.5	51.7	38.4	45.5	48.4	37.2	47.5	50.9	37.6	63.2	66.2
6.0+10	9:15	9:45	70.4	47.0	34.8	41.1	42.6	34.5	38.2	40.3	33.9	39.1	40.5	33.8	40.5	41.7	33.5	43.2	42.5	34.5	62.6	65.6
6-Oct-19	13:49	14:19	73.2	38.3	33.2	43.4	37.5	32.8	40.4	36.6	31.0	41.6	36.5	33.8	68.6	40.6	32.9	46.5	37.6	32.0	66.7	69.7
	14:21	14:51	68.3	38.1	32.5	43.5	37.4	33.9	38.3	36.0	32.8	42.5	37.6	33.7	42.5	37.0	33.5	36.4	36.3	32.2	60.6	63.6
7 Oct 10	9:07	9:37	68.9	70.5	36.5	45.8	50.5	38.0	46.3	51.5	38.5	52.2	56.0	43.0	48.5	53.0	41.5	50.7	55.0	42.5	61.4	64.4
7-Oct-19	13:13	13:43	60.3	64.5	38.5	42.3	45.0	38.0	39.9	41.5	37.5	40.2	42.5	37.5	39.4	41.0	37.5	45.8	46.5	37.0	52.8	55.8
	13:45	14:15	58.3	60.0	41.5	52.6	55.5	39.0	42.8	43.5	37.5	41.2	42.0	38.0	44.7	47.5	38.5	42.2	44.5	38.5	51.9	54.9
0.0 / 10	9:19	9:49	65.4	48.9	36.1	38.5	43.6	34.0	44.2	44.9	35.6	40.2	43.6	34.5	42.3	43.2	34.0	48.1	45.1	34.5	57.8	60.8
8-Oct-19	14:46	15:16	64.5	47.8	34.8	47.6	45.6	34.9	47.2	45.4	33.8	44.2	43.6	34.8	48.2	46.2	35.6	46.6	45.6	33.4	57.1	60.1
	15:18	15:48	66.6	48.2	34.7	51.2	44.3	34.4	50.4	44.4	33.8	47.3	46.0	33.7	49.5	47.3	34.9	50.1	48.5	34.2	59.3	62.3

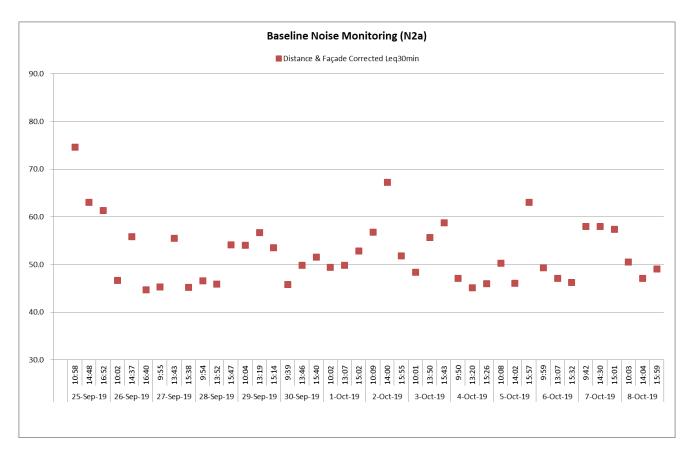


Appendix F

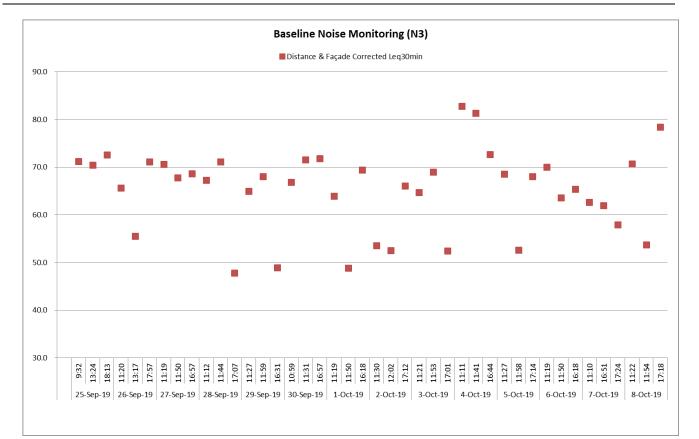
Graphical plot of the Baseline Noise Monitoring Result

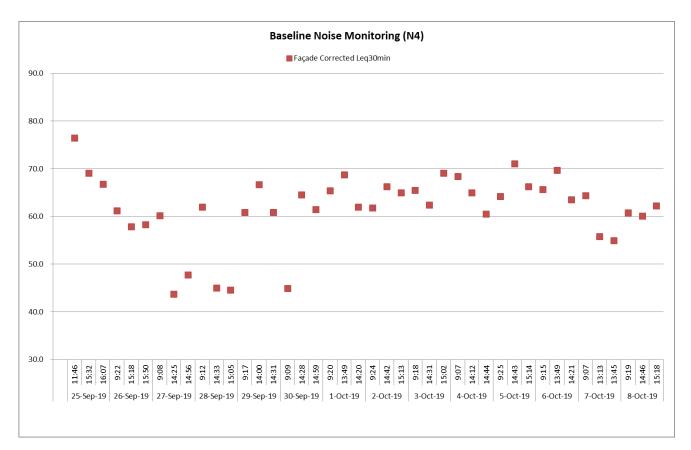














Appendix G

Field Data Sheet

AUEş

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

	VERAL			140136	IVAUINUU	ing (Field Da	ata Sheet)		
Date		2579	12	019	Т	ime Period	(Day)	/ Evening /	Night
Project No.		۰ •	()		Equ	ipment Name		A /1_57	
Station ID N	lo.		NO	21		uipment No.		TO DI	
2. WE	4 7711 77 7		V	<u></u>	<u> </u>			EROL	
2. WE.	ATHER								
	Wind Spee	d (tick)		·		Rainfall (ticl	K)	Wind I	Virection
Calm (<	1 m/s)		\checkmark	:		Nil			from which
Low (1-	5 m/s)				Tra	ce (< 1 mm)			iginates] gree)
Medium (5	-10m/s)		*		I		*	(<i>Uc</i> s	
High (> 1	<u> </u>		*		Low	(1 - 10 mm)		62	0
	U III/S)				Mediur	n (10 - 50 mm)	*	Tempera	ture (°C)
Note:* Do n	ot sample un	der these	e conditi	ions	Higl	n (> 50 mm)	*	2	2/
								2	24
	IBRATION	· •	s en trá						
Calibrator M				BKY	-231	Initial Calibrat	ion Reading, dB(A)	(a)	
Calibrator Se	rial No			FRO	$\frac{1}{2}$		on Reading, dB(A)	e la	-w
4. OBS)		00.000			<u>,</u>			LL	MO
Sou	EKVED NOI	SE SOL		DURING	MONITOI	RING (TICK)			
		YES	NO	Dill-			ription of Observatio	n	
Construction		<u> </u>	1	Piling Breaking	Mobiliz Cutti			dging Concret olition Formwo	
Facilities Of Road Traffic		ļ	14					olition Formwo	ork unloading
Aircraft			K			· · · · · · · · · · · · · · · · · · ·			
Animals		· · ·							
Other Sourc	es	レ	~	- 1	R.				
					-[
Sample			Observa	tion		Sample		Observation	
1						4			
2						5			
3						6			
5. RESU	LTS								
Start Time	1	-1		216		Cta D:	- <u></u>		
		······ ,	10	-26		Stop Time		246	
Readings (Fast	Response)			A	veraging P	eriod : 5 m	inutes V	30 minutes	<u> </u>
					itoring Lo	-	r from façade	Free field	
Sample	L _{eq} , dB((A)	L ₁₀ , d]	B(A)	L ₉₀ , dB(A)	Sample	T JP(A)		
1	4h	1	44	5	30, (2)	4	$L_{eq}, dB(A)$	L_{10} , $dB(A)$	L ₉₀ , dB(A)
2	42.2		$-\frac{1}{2}$		$\frac{2}{2}$		420	440	528
3	44		- ti		5/16	5	446	441	37.1
	I Thi		<u> </u>	512	5611	. 6	$ \langle \psi_{1}, q \rangle $	435	36.9
Overall Leq	1	- 11 12 12 12 12 12]				(
(30 min)	433	dB(A	L)		Average Baseline	d'	B(A) C	orrected	
					Level		No No	ise Level*	dB(A)
* If free field is	ticked, 3dB	is need t	o add fo	r correction	1				
Sampled By:	(Signature)		1	IA-1				(
				<u>[[]]</u>		Check	ed By: (Signature)	- Ini-	
	(Name)		h	IA1			(Name)	Fai Sa	
Date:		25	5/9	P17	D	Date:		F 01 71	
-					$\sim +$		Z	25-9-240	<u> </u>

Version No.: 01

الحكما والعمين وزرار الأروام الارزار وا

Effective Date: 01/06/2015

1. GENERAL	11013
Date	187912019
Project No.	
Station ID No.	\wedge / l

 Image: Period
 Image: Day
 Evening
 / Night

 Equipment Name
 ML-52

 Equipment No.
 FQ011

*

2. WEATHER

A

5.

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RESULTS

Wind Speed (tick)

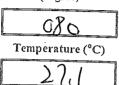
Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note:* Do not sample under these conditions

-	Rainfall (tic	k)
	Nil	
	Trace (< 1 mm)	
	Low (1 - 10 mm)	
	Medium (10 - 50 mm)	

Wind Direction

[Direction from which wind originates] (degree)



3. CALIBRATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	ØVun
Calibrator Serial No		Final Calibration Reading, dB(A)	

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

	1								
Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities		V	Piling Breaking	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Facilities Operation		V	Dreaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Road Traffic		V			• = • = • •		· · · · · · · · · · · · · · · · · · ·		
Aircraft		V				······································			
Animals		V							
Other Sources			13						
Commit									

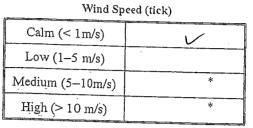
High (> 50 mm)

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	
E DDOXUT		هر خدید دو در دور کرد.	

Start Time		1X=08					
L		408		Stop Time		14.38	
Readings (Fast)			Averaging Per Ionitoring Loca		ites 🚺 rom façade 🗍	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	44.8	481	3800	4	418	445	27.2
2	126	451	38,2	5	4) 7	1 (55	200
3	419	446	38.0	6	(2)	VIII	2012
·	1			<u>i an an an an an an a</u> n	E-C/	$-\Gamma F \Lambda \Gamma$	50.0-
Overall Leq (30 min)		(A)	Average Baseline Level	dB(,	A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is need	d to add for correc	tion				
Sampled By:	(Signature)	WAI		Checked	By: (Signat	ture) Sai	
- Do4	(Name)	WAI			(Name) Fai	So
Date:	2	5191	2019	Date:		25-9-	2019

Effective Date: 01/06/2015

	-		1	1		CT CACH	(ATCIN)						
				NO			Descrip	ption of (Observatio	on			
Construction Activities					Piling	Mobilizatio	on Drilling	Excavati	ion Di	redging	Concretin	g [Grabbing
	Facilities Op	peration		V	Breaking	Cutting	Blasting	Backfilli	ing Dei	molition	Formworl		unloading
	Road Traffic			レレ									
	Aircraft			Ũ									
	Animals			-									
	Other Source	25	C										
ſ											Televisio de la compara		
	Sample		(Observa	tion		Sample	This years	····	0			
	1									Observa	tion		
	2						4						
$\left \right $							5						
L	3						6						
-	5. RESU	LTS				<u></u>	<u></u>						
	Start Time	1		17	230		Stop Time	<u> </u>		<u> </u>			
				/	-20		Stop Time	<u> </u>		181	$\frac{20}{20}$		
R	leadings (Fast)	Response)			Áve	raging Peri	lod E						
						oring Locat			, K		linutes	l	
ſ	S}	7					uon: 1 meter	from faç	ade [_]	Fre	e field		\square^*
-	Sample	L _{eq} , dB(A)	L ₁₀ , d)	B(A) L ₉	90, dB(A)	Sample	Leq,	dB(A)	L ₁₀ , c	IB(A)	Lon	, dB(A)
	1	} <i>¶</i> ,	1	41.	9 2	Yex.	4	V	$\overline{\mathbf{v}}$	6111		2,	< ()
	2	4	P	- W		244	5				10	-2,	<u>} </u>
Γ	3	CIV.		$-\frac{c}{1}$	211			+	21	- P		<u> </u>	ΣY
L		<u>YM</u>	$\overline{\mathbf{U}}$	$- \Psi$	16	59141	6	14	15	4	3.7	3	4.3
Γ	Q		<u></u>]				······	<u> </u>				
	Overall Leq	1127	dB(A			verage aseline	·			Correcte	a		
L	(30 min)	42.3	(1) (1)	·)	1	Level	dB	(A)		oise Lev			dB(A)
,	* If free field is	ticked, 3dB i	s need t	to add fo	r correction		·						
										/	~		
2	Sampled By:	(Signature)		la	IAI		Checked	By:	(Signature	$\rightarrow f_{z}$	n.		
		(Name)			101					·	·····		
F	-			<u>[</u>	1151				(Name)	-Tai	So		
L	Date:		25	51	9120	19	Date:		7	7 0	1 70/11		
						Date:ZJ-9-2-14							



25

Q

2019

Note:* Do not sample under these conditions

3.

Calibrator Model	BKKOZI	Initial Collibration Deadling 10(4)	Ce(1,
C-111 / C 1 / 1		Initial Calibration Reading, dB(A)	44a
Calibrator Serial No	F(0, 7)	Final Calibration Reading, dB(A)	
	PAUL	I mar Canoration Reading, dB(A)	etin

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

CALIBRATION

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

Time Period

Equipment Name

Equipment No.

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	
5 DECL			

Version No.: 01

Effective Date: 01/06/2015

Rainfall (tick)

Day /

Evening

M

/ Night

Wind Direction

[Direction from which

wind originates]

(degree)

080

Temperature (°C)

52

Ο

Nil Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

WEATHER

GENERAL

AUES

Project No.

Station ID No.

1. Date

2.

1.	<u>GENERAL</u>	
Date	3	2519

Date	25/9/2019
Project No.	
Station ID No.	NZa

Time Period Day / Evening / Night Equipment Name 11-52 A Equipment No. O

2. WEATHER

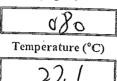
Wind Speed (tick)						
Calm (< 1m/s)	~					
Low (1–5 m/s)						
Medium (5-10m/s)	*					
High (> 10 m/s)	*					

Note: * Do not sample under these conditions

Rainfall (tick)					
Nil					
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				
	ليصبينهم فقتر القريب كالترك				

Wind Direction

[Direction from which wind originates] (degree)



_3.	CALIBRATION	
		_

RESULTS

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5. Г

Calibrator Model	B1C4231	Initial Calibration Reading, dB(A)	9/10
Calibrator Serial No		Final Calibration Reading, dB(A)	

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			Descri	ption of Obser	vation		
Construction Activities		C	Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting	Grabbing
Facilities Operation Road Traffic		レレ							
Aircraft Animals		61		AL					
Other Sources	V		K						

Sample	Observation	Sample	Observation
1	1X5J	4	
2		5	
3		6	
5 DESILTO			

Start Time		1N-JAP		Ctor The			······································
		-10-00		Stop Time		[[228	
Readings (Fast F	Response)	Ν	Averaging Per Monitoring Loca		ites 🛛 🔽 rom façade 🗌	30 minutes Free field	*
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	18.4		422	4	43.2	45,1	398
2	426	<u></u>	39,5	5	45.7	48cx	40,9
3	43.8	-45.8	40.9	6	446	Xbix	41.3
Overall Leq			Average				
(30 min)	70,6 dB(Baseline Level	dB(A	A)	Corrected Noise Level*	dB(A)
* If free field is t	icked, 3dB is need	to add for correct	∟ I			<u> </u>	

Sampled By:	(Signature)	WAT
	(Name)	WAI
Date:		251912019

Checked By:	(Signature)	Sa	•	
	(Name)	Fai	50	
Date:	Z5	-9-1	20/19	

1. GENERAL	11013
Date	25/9/2019
Project No.	
Station ID No.	$\Lambda/2$ a

2019	Time Period	(Day) / Evening / Night
	Equipment Name	N1-52
2a	Equipment No.	EQ011

2. WEATHER

Wind Speed (tick)

Calm (< 1 m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Note:* Do not sample under these conditions

CALIBRATION 3.

1	Calibrator Model	BUZCIDZA		
		DET251	Initial Calibration Reading, dB(A)	946
Į	Calibrator Serial No	EQ 082	Final Calibration Reading, dB(A)	

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO							
				Description of Observation					
Construction Activities	}		Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Facilities Operation			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Road Traffic					· · · · · · ·		· · · · · · · · · · · · · · · · · · ·	·	
Aircraft								·	
Animals	\checkmark		- As						
Other Sources	V		<u>.</u>	15	·				
		Second Second		<u>A fk</u>					

Sample	Observation	Sample	Observation
1	X	4	
2		5	
3		6	

Start Time		11/201	2	······································			
		14=4	ſ	Stop Time		15218	
Readings (Fast)	Response)	N	Averaging Per Ionitoring Loca		ites 🔽 rom façade 🗌	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L10, dB(A)	L ₉₀ , dB(A)	Sample	Leq, dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	66.8	43.8	37.2	4	41.8	(13)	28.2
2	414	43.8	37.1	5	41.9	429	\$279
3	Hit	423	37.5	6	(ℓ)	449	38:0
	·						1 2010
Overall Leq (30 min) * If free field is	59. 1 dB ticked, 3dB is need	(A)	Average Baseline Level	dB(/	A)	Corrected Noise Level*	dB(A)
	trenced, Jub is field	I to add for correc	tion				
Sampled By:	(Signature)	WAT		Checked	By: (Signat	ure) Fai	
-	(Name)	WB1			(Name)	Fai S	U
Date: -	2	5191	2019	Date:		25-9-7	019

Version No.: 01

5.

F

RESULTS

Effective Date: 01/06/2015

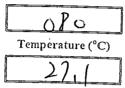
Rainfall (tick)

Ruman (nek)					
Nil					
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Kamfan (UCK)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)



Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

STQ/2019Time PeriodDay / Evening / NightEquipment NameML-52Equipment No.Equipment No.

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*

*

Rainfall (tick)

2. WEATHER

Win	d Speed	(tick)

)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note:* Do not sample under these conditions

3. CALIBRATION

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5.

G

RESULTS

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	01/
Calibrator Serial No		Final Calibration Reading, dB(A)	014
	FROAL	T mar Canoration Reading, dB(A)	L Uto

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

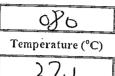
Source	YES	NO			Descri	ption of Obse	rvation	······	
Construction Activities Facilities Operation		V	Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting Formwork	Grabbing
Road Traffic Aircraft		-V -V							
Animals	V		XP						
Other Sources			· · · · · · · · · · · · · · · · · · ·	L'è			· · · · · · · · · · · · · · · · · · ·		

- 8	<u> </u>			
	Sample	Observation	Sample	Observation
	1			
	2			
$\left \right $			5	
L	3		6	

Start Time		11252	<u> </u>	The second secon			
		16=52		Stop Time			
Readings (Fast	Response)	N	Averaging Per Ionitoring Loca		ites <u>L</u> rom façade [30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	620	45.7	36.6	4	41.9	(13.8	37.7
2	40.9	424	375	5	42,5	444	28.0
3	424	44.8	3810	6	4/11	430	374
			· · · · · · · · · · · · · · · · · · ·				
Overall Leq (30 min)		(A)	Average Baseline Level	dB(,	A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is need	d to add for correc	tion				
Sampled By:	(Signature)	WAT		Checked	By: (Signat	ture) Sali	
-	(Name)	WB1			(Name	Fai Su	
Date:		5191	2019	Date:		25-9-2010	j

Wind Direction

[Direction from which wind originates] (degree)



Effective Date: 01/06/2015



Project No.

Station ID No.

Date

1. GENERAL

1.	GENERAL	1010
Date		2579/2019
Proje	ct No.	P21 (1 2011)
Static	on ID No.	1,3000
2.	WEATHED	- 91

Time Period (Day) / Evening / Night Equipment Name 11-52 Equipment No. O

*

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*

2. WEATHER

Wind Speed (tick)						
Calm (< 1m/s)	V					
Low (1–5 m/s)						
Medium (5–10m/s)	*					
High (> 10 m/s)	*					

Note:* Do not sample under these conditions

3. CALIBRATION

Calibrator Model	A wellow		
	- $B(F+2)($	Initial Calibration Reading, dB(A)	911
Calibrator Serial No			
	- AQUDE	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

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Sour											
[YES	NO			Descrip	Description of Observation				
Construction	Activities	}		Piling	Mobilizatio	on Drilling	Excavation	Dredging	Concreti	ng Grabbing	
Facilities Op	eration		V	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwo		
Road Traffic		V						······			
Aircraft											
Animals		V	~		the			······			
Other Source.				<u> </u>	JUJE	·					
	5		<u> </u>		人商						
Committee								_			
Sample		0	Observat	tion		Sample		Observa	ation		
1						4					
2											
						5					
3						6	NA				
5. RESUL	TC				<u>_</u>			NY Y			
Start Time				· · · ·		······································					
Start Time		$\frac{q232}{\text{Stop Time}}$									
								<u> </u>	$\overline{\mathbf{v}}$		
Readings (Fast F	(esponse)			Av	eraging Peri	iod: 5 min	utes	× 30 m	inutes	[]	
					toring Locat		from façade [e field		
Sample	T JD(4						rre			
	$L_{eq}, dB($	A)	L ₁₀ , dI		190, dB(A)	Sample	Leq, dB(A	.) L ₁₀ , d	iB(A)	L90, dB(A)	
1	UR.		VV	γ	$\sum r(1)$	4	(16	(1) (2	2.(1)	

	1 000	$\overline{1}$		221	4	- Y	tio	445		34.X
	401		136	35.X	5	5	2.2	418		258
3	\$38	83	9.0	33.8	6	1	29	- FIO		251
								<u> </u>	<u> </u>	->24
Overall Leq (30 min)	65.2	dB(A)		Average Baseline Level	dB(A)		Corrected oise Level*		dB(A)
* If free field is	ticked, 3dB is	need to ac	d for correc	tion			L			
Sampled By:	(Signature)		WAI		Checked]	By: _(Signature)	Fai		
-	(Name)		WAT			_ (1	Name)	Fai	50	

Date:

Date:

2019

Effective Date: 01/06/2015

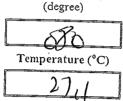
25-9-209

Rainfall (tick) Nil Trace (< 1 mm) Low (1 - 10 mm)

Medium (10 - 50 mm) High (> 50 mm)

Wind Direction

[Direction from which wind originates]



Rainfall (tick)

(SF-04A)

Wind Direction

[Direction from which

wind originates]

(degree)

UNO

Temperature (°C)

21

1. GENERAL		
Date	151912019	, ·
Project No.		E
Station ID No.	1130	
		-

Time Period (Day) / Evening / Night Equipment Name 2 A /1 -5 Equipment No. 0

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*

2. WEATHER

Wind Speed (tick)

Calm (< 1 m/s)	V
Low (1–5 m/s)	•
Medium (5–10m/s)	*
High (> 10 m/s)	*

Note:* Do not sample under these conditions

3. CALIBRATION

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5.

RESULTS

	Calibrator Model	13/1/221		
		007251	Initial Calibration Reading, dB(A)	$q_{\mathcal{V}_{\mathcal{D}}}$
	Calibrator Serial No	1521	Final Calibration Reading, dB(A)	v 1/00
5			That Canoration Reading, dB(A)	- PYIQ

Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			· · · · · · · · · · · · · · · · · · ·				
		1.0			Descri	ption of Obse	rvation		
Construction Activities		1/	Piling Breaking	Mobilization Cutting	Drilling	Excavation	Dredging	Concreting	Grabbing
Facilities Operation		V	Dicaking		Blasting	Backfilling	Demolition	Formwork	unloading
Road Traffic		1/					· · · · · · · · · · · · · · · · · · ·		
Aircraft								·	
Animals	V		181	5					
Other Sources	V		j:	人语	·				
					With Harne Hitsermany				
Sample		• • • • • • • • • • • • • • • • • • •					· · · · · · · · · · · · · · · · · · ·		

Sample	Observation	Sample	Observation
1	X	4	
2		5	
3		6	

Start Time		13-24					
		DYZE		Stop Time		13254	
Readings (Fast)		N	Averaging Per Ionitoring Loca		ites 🚺 rom façade 🗌	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	72.7	522	16.2	4	45.8	47.9	3814
2	38.7	40.8	362	5	40.2	(433	27.1
3	L 45.6	47.4	370	6	<u> </u>	$Q \qquad (1) \qquad Q$	32
				······································	<u>F</u> _14	<u> </u>	
Overall Leq (30 min)		(A)	Average Baseline Level	dB(A	A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is nee	d to add for correc	tion				<u> </u>
Sampled By:	(Signature)	WAT		Checked	By: (Signat	rure) Fai	
-	(Name)	WAT			(Name)	Fai Ca	

Version No.: 01

Date:

Date:

912019

25

Effective Date: 01/06/2015

tai So

25-9-2019

(Name)

Aircraft

Animals

Sample

Other Sources

Sample	Observation		Sample	Observation
1	*5		4	
2	· · · · · · · · · · · · · · · · · · ·		5	
3			6	
5. RESU	LTS			
Start Time	18:13		Stop Time	18:43
Readings (Fast		Averaging Per Ionitoring Loca		inutes 💟 30 minutes 🗌 r from façade 🗌 Free field 📑*
Sample	$L_{eq}, dB(A) \qquad L_{10}, dB(A)$	L ₉₀ , dB(A)	Sample	L_{eq} , dB(A) L_{10} , dB(A) L_{90} , dB(A)
1	143 61.2	341	4	459 47.3 340
2	4/5 485	3418	5	43,5 47,2 330
3	42.6 46.7	327	6	44.6 47.6 33.2
Overall Leq (30 min)	665 dB(A)	Average Baseline Level	dl	B(A) Corrected dB(A)
* If free field is	ticked, 3dB is need to add for correc	tion	<u></u>	
Sampled By:	(Signature) WA1		Checke	
Date:	(Name) WA1 25191	2019	Date:	(Name) Fai So 25-9-200
Vorsian NL . 04				

Calibrator Serial No			FROX	2 1	inal Calibration	Reading, dB((A)	911	
4. OBSERVED NOI	SE SOL	JRCES	DURING M						>
Source	YES	NO				ption of Obser	rvation		
Construction Activities		V	Piling Breaking	Mobilization Cutting		Excavation	Dredging Demolition	Concreting Formwork	Grabbing
Facilities Operation Road Traffic							· ·	TOTINWORK	unloading

1FS

3. CALIBRATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	<i>Glu</i>
Calibrator Serial No	(0,0)	Final Calibration Reading dB(A)	140

2. WEATHER

GENERAL

AUES

Project No.

Station ID No.

1.

Date

Wind Sp	eed (tick)
Calm (< 1 m/s)	V
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

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í

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

Time Period

Equipment Name

Equipment No.

Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

Rainfall (tick)

(Day) /

×

*

*

Evening / Night

0 n

52

Wind Direction [Direction from which

wind originates]

(degree)

080

Temperature (°C)

27

All-

T

19 O

3 Λ

Version No.: 01

1. GENERAL		
Date	2519/2019	
Project No.		
Station ID No.	KI Ý	

Time Period	(Day) / Evening / Night
Equipment Name	A/1-57
Equipment No.	T-D D LI

2. WEATHER

Wind Sp	eed (tick)
Calm (< 1 m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, $dB(A)$			
Calibrator Serial No	EQ 082	Final Calibration Reading, dB(A)	940		

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

11-46

Source	YES	NO	Description of Observation					
Construction Activities		V	Piling Mobilization Drilling Excavation Dredging Concreting Grabbing Breaking Cutting Blasting Packfulling Descheduling Concreting Grabbing					
Facilities Operation Road Traffic		1	Backhing Demonition Formwork unloading					
Aircraft Animals	~	V	AK .					
Other Sources	V		· AE					

Sample	Observation	Sample	
1	Xto		Observation
	1/2	4	
2		5	
3		6	

RESULTS

5.

Start Time

Start Time		11-46		Stop Time		12=16	
Readings (Fast	Response)	M	Averaging Per lonitoring Loca		ites rom façade	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L10, dB(A)	L ₉₀ , dB(A)	Sample	Leg, dB(A) L_{10} , $dB(A)$	L ₉₀ , dB(A)
1	8/12	86.8	26,7	4	(15.0	9 50.7	379
2	43.4	49.0	338	5	W?	1 510	238
3	46.7	5018	331	6	541	51.4	329
0							
Overall Leq (30 min)	73.4 ав		Average Baseline Level	dB(/	4)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is need	to add for correc	tion				
Sampled By:	(Signature)	WAI		Checked	By: (Sig	nature) Fai	
Ð- ((Name)	WAI			(Nan	ne) Egi St	
Date:		5191	2019	Date:		25-9-2-9	

Version No.: 01

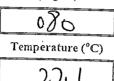
Effective Date: 01/06/2015

Rainfall (tick)

Raiman (de	K)
Nil	
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

11012
25/9/2019
K/4

2019	Time Period	(Day) / Evening / Night
	Equipment Name	N1-52
4	Equipment No.	EQOII

2. WEATHER

Wind Sp	eed (tick)
Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Note:* Do not sample under these conditions

3. CALIBRATION

Calibrator Model	A 16 16 2 1	I	
	DIC 425	Initial Calibration Reading, dB(A)	24m
Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)	QU/10
			1910

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities Facilities Operation		V	Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting Formwork	Grabbing
Road Traffic		V							
Aircraft Animals	V	V	51						
Other Sources				Læ_					

Sample	Observation	Sample	Observation
 1	25	4	
2		5	
3		6	

Start Time

RESULTS

5.

Start Time		15232					
		1)->2	-	Stop Time		16=02	
Readings (Fast)	Response)	Ν	Averaging Per Ionitoring Loca		ites [] rom façade [30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L10, dB(A)	L ₉₀ , dB(A)	Sample	L _{cg} , dB(A) L_{10} , $dB(A)$	L ₉₀ , dB(A)
1	23.8	528	38.5	4	486		272
2	\$ 49.8	53,5	38.6	5	49.2		27.2
3	28,8	51.6	38.7	6	(49.	$7 \times 3 \times$	28.2
					┶┈╼└──┟┊┉		
Overall Leq (30 min)	66,1 dB		Average Baseline Level	dB(z	A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is need	to add for correc	tion				
Sampled By:	(Signature)	WAI		Checked	By: (Signa	ature) An	
-	(Name)	WAI			(Name	=) Fai So	· · · · · · · · · · · · · · · · · · ·
Date: -	2	5191	2019	Date:		25 - 9 - 240	

Effective Date: 01/06/2015

1

Wind Direction [Direction from which wind originates] (degree)

570 Temperature (°C)

271

Rainfall (tick)

Kainfali (tic	k)
Nil	V
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

11013
25/9/2019
Λ/Ψ

	Time Period	(Day) / Evening / Night
_	Equipment Name	N11-52
	Equipment No.	EDOIL

2. WEATHER

Wind Speed (tick) Calm (< 1 m/s)Low (1-5 m/s)0 Medium (5-10m/s) * ¥ High (> 10 m/s)

Note: * Do not sample under these conditions

3. CALIBRATION

	Calibrator Model	RUTSBI		
	Calibrator Serial No	DYPED	Initial Calibration Reading, dB(A)	2 Kw
l	Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

1120

251912019

Source	YES	NO		Description of Observation					
Construction Activities Facilities Operation		V	Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting Formwork	Grabbing
Road Traffic Aircraft									
Animals Other Sources	V		がっ	1-6					
other sources C AE									

	Sample	Observation	Sample	
	1		Bample	Observation
ļ	1	XB	4	
	2			
			3	
l	3		6	

Stop Time

RESULTS

5.

Start Time

Readings (Fast	Response)	N	Averaging Peri Ionitoring Locat		ites 🛛 🚺 om façade 🗌	30 minute	
Sample	$L_{eq}, dB(A)$	L10, dB(A)	L ₉₀ , dB(A)	Sample	Leg, dB(A)) L_{10} , $dB(A)$	L ₉₀ , dB(A)
1	7/1	61.0	39,1	4	52,6	SU9	290, 00(1)
2	50.1	534	38.7	5	50.8		38.9
3	59.9	Ý9.7	38,5	б	532	55.3	3PR
Overall Leq							
(30 min)	63.9 dB	(A)	Average Baseline Level	dB(A	A)	Corrected Noise Level*	dB(A)
* If free field is	* If free field is ticked, 3dB is need to add for correction						
Sampled By:	(Signature)	WAI		Checked)	By: (Signa	ture) Fai	
	(Name)	WAT			(Name) Fai	Sa
Data	-						<u>~v</u>

Date:	
-------	--

Version No.: 01

Date:

Effective Date: 01/06/2015

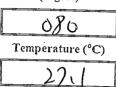
25-9-Zug

Rainfall (tick) Nil

1811	
Trace (< 1 mm)	
Low (1 - 10 mm)	
Medium (10 - 50 mm)	,
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



(6-3

(SF-04A)

Wind Direction

[Direction from which

wind originates]

(degree)

080

Temperature (°C)

27,0

Date	26/9/2019	Time Period	(Day) / Evening / Night
Project No.		Equipment Name	NL-52
Station ID No.		Equipment No.	FROIL

Rainfall (tick)

 \checkmark

*

*

*

11-0

2. WEATHER

 Wind Speed (tick)

 Calm (< 1 m/s)</th>
 ✓

 Low (1-5 m/s)
 ✓

 Medium (5-10m/s)
 *

 High (> 10 m/s)
 *

Note:* Do not sample under these conditions

3. CALIBRATION

Calibrator Model	RIVIII		
	DIRP271	Initial Calibration Reading, dB(A)	
Calibrator Serial No	FROZ	Final Calibration Reading, dB(A)	
			1910

Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

10-37

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities Facilities Operation		V	Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting Formwork	Grabbing
Road Traffic Aircraft									
Animals	$\overline{\nu}$		NSJ		· · · · · · · · · · · · · · · · · · ·				
Other Sources				Ka_					

Sample	Observation	Sample	Observation
1	85	4	
2		5	
3		б	

Stop Time

Readings (Fast Response)

RESULTS

5.

Start Time

Readings (Fast H	· · · ·]	Averaging Peri Monitoring Locat		rom façade	30 minutes Free field	\square_*
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	Leq, dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	64.8	45L	37.2	4	(4))	425	2903 02(12)
2	4.2	420	37.5	5	WS	$- E_{1}$	271
3	43,3	443	38.2	6	(4)	128	27.1
					1-12	-1 - FZ10-	
Overall Leq	171		Average				
(30 min)	57, dB(Baseline Level	dB(A	A)	Corrected Noise Level*	dB(A)
* If free field is t	icked, 3dB is need	l to add for corre	ction				

Sampled By:(Signature)WA/A/Checked By:(Signature)Jain(Name)WA/A/(Name)FainSonDate:<math>26/9/2019Date:Zb-9-Zoly

Rainfall (tick)

 \sim

*

*

*

14013
26/9/2019
NI

Time Period	Day / Evening / Night
Equipment Name	A/1-52-
Equipment No.	EDD11

Wind Sp	eed (tick)
Calm (< 1 m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4251	Initial Calibration Reading, dB(A)	QUD
Calibrator Serial No		Final Calibration Reading, dB(A)	

Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

		<u> </u>		OT THE OWNER	(IICK)				
Source	YES	NO		Description of Observation					
Construction Activities	ļ		Piling Breaking	Mobilization Cutting	Drilling	Excavation	Dredging	Concreting	Grabbing
Facilities Operation		V	Dicaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Road Traffic	1	1./	····						
Aircraft					······				
Animals	V		XS	2)	· · · · · · · · · · · · · · · · · · ·				
Other Sources	V			1 3					······
Sample	C	Observat	tion		Sample		Observ		
1		XC					Observ		
					4				
L					5				

6

5. RESULTS

3

Start Time		14:01		Stop Time		(11) 71	
Readings (Fast)		······································	Averaging Per Ionitoring Loca	iod: 5 minu	tes <u>L</u> om façade [30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	Leq, dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	66.0	433	389	4	5812	57.6	37.4
2	4,5	43.8	37.4	5	459	46.5	27.2
3	49,5	443	38,2	б	43,4	- 458	38.2
Overall Leq (30 min)	57.0	(A)	Average Baseline Level	dB(A	x)	Corrected Noise Level*	dB(A)
* If free field is Sampled By:	ticked, 3dB is need (Signature)	d to add for correct	tion	Checked)	By: (Signa	^{ture)} Saj	
Date:	(Name)	WB1 6191	2019	Date:	(Name) Fai Su Zl- 9-2014	

Wind Direction

[Direction from which

wind originates]

(degree)

070

Temperature (°C)

2700

Effective Date: 01/06/2015

GENERAL

AUES

1.

Date	26/912019
Project No.	
Station ID No.	

Time PeriodDay/ Evening/ NightEquipment NameA<52</td>Equipment No.GQJ//

2. WEATHER

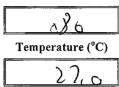
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)					
Nil					
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION Calibrator Model BK4251 Initial Calibration Reading, dB(A) 9455 Calibrator Serial No Etropy1 Final Calibration Reading, dB(A) 9455

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Question Anti-ities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		5							
Road Traffic									
Aircraft		~	it						
Animals	V		(Xh2)	, P					
Other Sources				13					
				- <u>7</u>					

Sample	Observation	Sample	Observation
1		4	
2		5	
3	···· · · · · · · · · · · · · · · · · ·	6	

5. RESULTS

3. RESULTS				
Start Time	17:16 SI	top Time	17=46	
Readings (Fast Response)	Averaging Period Monitoring Locatior		30 minutes	

			8		······································		
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	4.8	42,1	36.2	4	42,2	441	35.1
2	40.5	440	35,3	5	432	42.1	36,5
3	Éti2	43,2	37.2	6	4h6	4018	35.X

Overall Leq (30 min)	42.4	dB(A)	Average Baseline Level	dB(A)		Corrected Noise Level*	· .	dB(A)
* If free field is ticked, 3dB is need to add for correction								

NH Sampled By: (Signature) (Name) Date: 26

(Signature) Checked By: So (Name) 1gi Date: 26 9- Z-M

1. GENERAL	10030
Date	26/9/2019
Project No.	10111
Station ID No.	XI) a Name

2019	Time Period	(Day) / Evening / Night
	Equipment Name	N1-52
	Equipment No.	EROLL

2. WEATHER

Wind Speed (tick)

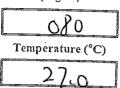
Calm (< 1 m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

Rainfall (tick)						
Nil						
Trace (< 1 mm)						
Low (1 - 10 mm)	*					
Medium (10 - 50 mm)	*					
High (> 50 mm)	*					

Wind Direction

[Direction from which wind originates] (degree)



3. CALIBRATION

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5.

RESULTS

Calibrator Model	P U((D))		
	51-4251	Initial Calibration Reading, dB(A)	e Xeo
Calibrator Serial No	CO ~ 81-	Final Calibration Reading, dB(A)	
	POCO P	rinar canoration Reading, (D(A)	

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			Descri	ption of Obse	rvation	·····	
Construction Activities Facilities Operation		V	Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting Formwork	Grabbing
Road Traffic		Ľ						······································	
Aircraft Animals		レレ		/					
Other Sources	V	0	- <i>C</i>	Ē.					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	
5 DECLIF (00	· · · · · · · · · · · · · · · · · · ·		

Start Time	1)	The second secon			
L		10-0	6	Stop Time		$(n^{2})2$	
Readings (Fast			Averaging Per Ionitoring Loca		ites 🔽 rom façade 🗌	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	446	4510	32.1	4	WV	417	3()
2	413	43.2	36.7	5	EF	() f	
3	435	.45.7	37,2	6	() P	VII.V	375
ř					Fal	- PAI	
Overall Leq (30 min)	100	(A)	Average Baseline Level	dB(z	A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is nee	d to add for correc	tion				
Sampled By:	(Signature)	WAI		Checked	By: (Signatur	re) Fri,	
	(Name)	1.IA1				E'C	

Version No.: 01

Date:

Date:

2019

WA

Ø

26

Effective Date: 01/06/2015

Fai Su

26-9-204

(Name)

Rainfall (tick)

1

*

*

*

Wind Direction

[Direction from which

wind originates]

(degree)

Temperature (°C)

27.0

080

1. GENERAL		monitoring (Field Data	Sneet)
Date	26/9/2019	Time Period	(Day) / Evening / Night
Project No.		Equipment Name	N1-52
Station ID No.	N2q	Equipment No.	FOOL

2. WEATHER

 Wind Speed (tick)

 Calm (< 1m/s)</th>
 V

 Low (1-5 m/s)
 *

 Medium (5-10m/s)
 *

 High (> 10 m/s)
 *

Note:* Do not sample under these conditions

3. CALIBRATION

RESULTS

5.

Calibrator Model	PILCONI		
	DK-FZ	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	(100)	Final Calibration Reading, dB(A)	
	<u> </u>	Tima Canoration (Ceauling, dB(A)	eter

Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling Breaking	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Facilities Operation	[Dicaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Road Traffic							· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	
Aircraft				· · · · · · · · · · · · · · · · · · ·					
Animals	V		X	57					
Other Sources	V		······································	1.75					
		<u></u>		-/ p-				an a caracter and a second second	

Sample	Observation	Sample	Observation
1	76	4	
2		5	
3		6	

Start Time		1111 27			·		
		-14:51		Stop Time		5.07	
Readings (Fast F	Response)	M	Averaging Per Ionitoring Loca		utes 🔽 rom façade 🗌	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	Leq, dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	592	435	353	4	(1,4)	49.6	25)
2	3811	40,7	34X	5	$\frac{\tau_{1}}{\sqrt{2}}$	$\frac{41.6}{611}$	$\frac{1}{2}$
3	43,9	.501	35,4	б	(χ^2)	483	259
		·······					1 211-
Overall Leq	11.		Average				- 1917 4

(30 min) * If free field i	5/.9	dB(A)		Baseline Level	dB(A)		Corrected Noise Level*	<i>•</i> .	dB(A)
* If free field is	s ticked, 50B 19	need to ad	d for correc	tion					
Sampled By:	(Signature)	· · · · · · · · · · · · · · · · · · ·	WAI		Checked By:	(Signat	ure) Fai		
	(Name)		WAI			(Name)	Foi S	0	
Date:		261	91	2019	Date:	Z	26-9-2-K		

1.

Action-United Environ ental S. Consulting Noise Mon et)

vironme	nta	l Se	rvice	s 🗞	C
nitoring	(Fie	eld	Data	She	e

Rainfall (tick)

~

*

×

×

Wind Direction

[Direction from which

wind originates]

(degree)

080

Temperature (°C)

2100

Date 26/9/2019	Time Period	(Day) / Evening / Night
Project No. Station ID No.	Equipment Name	NL-52
Station ID No. N2q	Equipment No.	FROU

2. WEATHER

GENERAL

Wind Speed (tick)					
Calm (< 1 m/s)	V				
Low (1–5 m/s)					
Medium (5-10m/s)	*				
High (> 10 m/s)	*				

Note: * Do not sample under these conditions

CALIBRATION 3.

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	$\varphi(\omega)$
Calibrator Serial No		Final Calibration Reading, dB(A)	0000

Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO							
	IEO	NO			Descri	ption of Obser	rvation		
Construction Activities	}		Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Facilities Operation			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Road Traffic									
Aircraft		2							
Animals		1/			·				
Other Sources	V								
		لــــــــــــــــــــــــــــــــــــ							

	Sample	Observation	0	
	1		Sample	Observation
ļ	1		4	
	2		~~~~~	
ľ	2		5	
l	<u> </u>		6	

Start Time

RESULTS

5.

Start Time		16240		Stop Time		(~A) .	
Readings (Fast	Response)	(p	Averaging Per Ionitoring Loca	iod : 5 minu	tes 🔽	パーシーク 30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	3917	420	76.3	4	(4) (2(1)
2	40.3	42.5	36.1	5	$\frac{ta0}{4.7}$		2012
3	\$39,0	YI.Y	38.1	б		$+ \frac{1}{1}$	-510
		╤╤╤╦		<u></u>	-1010	P112	534
Overall Leq (30 min)	40,7 dB	(A)	Average Baseline Level	dB(A	A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is need	to add for correc	tion	·			
Sampled By:	(Signature)	WAI		Checked)	By: (Signat	ure) Fgi	
Date:	(Name)	WBI	2019	Date:	(Name)	Fai So 21-9-74	

1. GENERAL	
Date	26/9/2019
Project No.	
Station ID No.	ABa

Time Period	(Day) / Evening / Night
Equipment Name	A/1-52
Equipment No.	EDDI

2. WEATHER

Wind Sp	eed (tick)
Calm (< 1 m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Note:* Do not sample under these conditions

CALIBRATION 3.

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	@lan
Calibrator Serial No		Final Calibration Reading, dB(A)	

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

11-20

Source	YES	NO	Description of Observation
Construction Activities Facilities Operation Road Traffic			Piling Mobilization Drilling Excavation Dredging Concreting Grabbing Breaking Cutting Blasting Backfilling Demolition Formwork unloading
Aircraft Animals	V	V	No.
Other Sources			

Sample	Observation	Sample	Observation
1	XS	4	Observation
2		5	
3		6	
5 0000			

Stop Time

5.

Start Time

RESULTS

Readings (Fast F	Response)	N	Averaging Peri Ionitoring Locat		utes 🛛 🔽 Trom façade 🗌	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{cq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	67.2	525	395	4	(IG P	51 G	321
2	465	49.4	38,1	5	- tlig	->ILT	- Scr
3	426	Sail	38.1	б	458	52.0	282
Overall Leq (30 min)	59.7 dB	(A)	Average Baseline Level	dB(,	A)	Corrected Noise Level*	dB(A)

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	WAI
	(Name)	WAI
Date:		261912019

	(Name)
Date:	

(Signature)

Jai

So

Fai

26-9-Zug

Checked By:

Version	No.:	01

Level

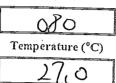
Effective Date: 01/06/2015

Rainfall (tick)

Kannan (tic	K)
Nil	V
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



112,50

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

(SF-04A)

Wind Direction

[Direction from which wind originates]

(degree)

OKD

Temperature (°C)

 $2)_{10}$

ł

Date 26/9/2019	Time Period	(Day) / Evening / Night
Project No. Station ID No.	Equipment Name	ML-52
Station 1D No. N2q	Equipment No.	EROIL

Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

Rainfall (tick)

*

*

*

1324

2. WEATHER

GENERAL

Wind Speed (tick)					
Calm (< 1 m/s)	V				
Low (1–5 m/s)					
Medium (5–10m/s)	*				
High (> 10 m/s)	*				

Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940	
Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)		

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

3-1

Source	YES	NO	Description of Observation
Construction Activities Facilities Operation		レレ	Piling Mobilization Drilling Excavation Dredging Concreting Grabbing Breaking Cutting Blasting Backfilling Demolition Formwork unloading
Road Traffic Aircraft		V	
Animals Other Sources	\checkmark		315

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

Stop Time

RESULTS

5.

Start Time

Readings (Fast F	(esponse)	N	Averaging Peri Aonitoring Locat		ites 🔽 om façade 🗌	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	50.5	SHIT	39,1	4	(810	SI V	14
2	527	535	283	5	UT L	SII	28.1
3	46.6	515	38.6	6	US L	52.4	29.5
Overall Leq			Average			_	
(30 min)	49,5 dB(Baseline Level	dB(A	A)	Corrected Noise Level*	dB(A)
* If free field is t	ticked, 3dB is need	to add for correct	L				

Sampled By:	(Signature) WA	Checked By:	(Signature) Sai
Date:	(Name) WB1 2619120	Date:	(Name) Fai Su 26-9-2-19

Version No.: 01

Effective Date: 01/06/2015

AUES

1.

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

GENERAL

Date	26/9/25/9
Project No.	
Station ID No.	NZa

Time Period (Day) / Evening / Night Equipment Name 2 Equipment No. 120

WEATHER 2.

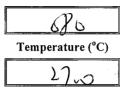
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tic)	k)
Nil	V
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION Calibrator Model BK47,51 Initial Calibration Reading, dB(A) Calibrator Serial No Final Calibration Reading, dB(A)

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

Source	YES	NO	Description of Observation						
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		1/	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic									
Aircraft		1	[d						
Animals	1		(Xx)						
Other Sources		\mathbf{V}						-	

Sample	Observation	Sample	Observation
1	X	4	
2	//@}	5	
3		6	

5. RESULTS Start Time	1257	Stop Tin	ne	18:26
Readings (Fast Response) Averaging P	Period :	5 minutes	30 minutes

Readings (Fast F	Response)	N	Averaging Peri Aonitoring Locat		utes 🔽	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	729	6015	345	4	461	435	34.9
2	68.2	Ý7, 6	Ĵ¥.6	5	42,(44.5	3YD
3	43,5	45.5	328	6	Ψ5,2	48:3	35.2

Overall Leq (30 min)	65.2 dB(A)		Average Baseline Level	dB(A)	Corrected Noise Level*	,	dB(A)
* If free field is	ticked, 3dB is need to ad	l for correctio	n				

Sampled By: (Signature) (Name) 26 Date: 12019

Checked By:	(Signature) Fai
	(Name) Fai, Su
Date:	26-9-204

1. GENERAL	11013
Date	26/9/2019
Project No.	
Station ID No.	NORY

Time Period (Day) / Evening / Night Equipment Name 52 A // -Equipment No. T. 0

2. WEATHER

Wind Speed (tick)

Calm (< 1 m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

3. CALIBRATION

RESULTS

I

5.

Calibrator Model	RUSIDE		
	98-4231	Initial Calibration Reading, dB(A)	e Kin
Calibrator Serial No	EQ 082	Final Calibration Reading, dB(A)	QV.
			(<i>PO</i>

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4

Source	YES	NO			Descri	ption of Obse	rvation		······································
Construction Activities			Piling Breaking	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Facilities Operation		V	Dicaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Road Traffic		V						······································	·····
Aircraft		V	11						
Animals	V		X12						
Other Sources		V							

Sample	Observation	Sample	
1	M		Observation
2		5	
3			
		0	

Start Time		9271					
L		$-1^{2}2L$	<u> </u>	Stop Time		9:52	
Readings (Fast)	Response)	Ŋ	Averaging Per lonitoring Loca		ites 🔽 rom façade 🗌	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	65.7	SKP	38.2	4	47.5	525	225
2	48:2	53.9°	375	5	Ch.S	511	200
3	47.2	529	37.6	6	47.1	5/10	- HU
			······································		112	- JEN	J XIY
Overall Leq (30 min)	58,2 dB	(A)	Average Baseline	dB(A	A)	Corrected	dB(A)
	ticked, 3dB is need	to add for correc	Level			Noise Level*	···· (* 2)
Sampled By:	(Signature)	WAI		Checked	By: (Signatu	re) Sui	
-	(Name)	WAI			(Name)	Foi, Su	
Date:	<u>}</u>	6191	2019	Date:		26-9-2019	

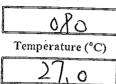
Effective Date: 01/06/2015

. ۲

Rainfall (tick) Nil Trace (< 1 mm) × Low (1 - 10 mm) × Medium (10 - 50 mm) * High (> 50 mm)

Wind Direction

[Direction from which wind originates] (degree)



Action-United Environmental Services & Consulting Noice Manit ing (Field Data Sheet)

Rainfall (tick)

 \sim

*

*

*

(SF-04A)	,
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Wind Direction

[Direction from which

wind originates]

(degree)

080

Temperature (°C)

15-48

27.0

1. GENERAL	140126 14	lonitori
Date	26/9/2019	Tin
Project No.		Equip
Station ID No.	NY	Equi

me Period (Day) / Evening / Night pment Name 11-52 Equipment No. O

2. WEATHER

Wind Speed (tick) Calm (< 1 m/s)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note:* Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940	
Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)	940	

Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

15=18

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities Facilities Operation		V	Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting Fornwork	Grabbing
Road Traffic		5							
Aircraft Animals		\checkmark	5	6J					
Other Sources		V	0"	*/					

Sample	Observation	Samuela	
1		Sample	Observation
2		4	
		5	
3		6	
5 0001			

Stop Time

RESULTS

5.

Start Time

Readings (Fast R	(esponse)		Averaging Period Monitoring Locatio		utes 🔽 From façade 🗌	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L10, dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	62.3	5616	344		46.6	<u> </u>	290, uD(11)
2	40,9	439	32.7	5	445	$-\frac{1}{19}$	221
3	4412	41,5	376	6	LER LER	$-\frac{\psi(1)}{\xi_{0}}$	$-\frac{22}{22}$
		~ <u>`U_L_</u> _	1 1201	<u> </u>			
Overall Leq	t .		Average	- <u> </u>			

(30 min)	54,9 dB(.		Baseline Level	dB(A)		Corrected oise Level*	dB(A)
* If free field is	s ticked, 3dB is need	to add for correct	tion	<u></u>			
Sampled By:	(Signature)	WAI		Checked By:	(Signature) Jai	
	(Name)	WA1			(Name)	Fai	Sa
Date:	2	6191	2019	Date:		26-9-2	c/g

Version No.: 01

Effective Date: 01/06/2015

1. GENERAL	TUBL
Date	26/9/2019
Project No.	
Station ID No.	NY4

Time Period (Day) / Evening / Night Equipment Name N1-52 Equipment No. ED O

2. WEATHER

Wind Speed (tick)					
Calm (< 1m/s)					
Low (1–5 m/s)					
Medium (5–10m/s)	*				
High (> 10 m/s)	*				

Note:* Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BIC4231	Initial Calibration Reading, dB(A)	QUI
Calibrator Serial No		Final Calibration Reading, dB(A)	0,00

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

15=50

Source	YES	NO			Descri	ption of Obse	rvation	· · · · · · · · · · · · · · · · · · ·	Refe
Construction Activities		L	Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting Formwork	Grabbing
Facilities Operation Road Traffic								Tommork	unioading
Aircraft Animals		Č	- Ale						
Other Sources		V							

Sample	Observation	Sample	Observation
1	35	4	
2		5	
3		6	

Stop Time

RESULTS

5.

Start Time

Readings (Fast	Response)	Ν	Averaging Peri Ionitoring Locat		tes om façade		30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L10, dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(.	A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	62.9	48,0	35.5	4	29.5	2	$\frac{1}{\sqrt{7}}$	21/2
2	4412	48.5	344	5	-2(1)	2	429	$\frac{572}{324}$
3	414	44,2	303337	б	H_i	5	448	33.9
0			· · · · · · · · · · · · · · · · · · ·					
Overall Leq (30 min)	\$5.3 dB(A)	Average Baseline Level	dB(A	5)	1	orrected se Level*	dB(A)
* If free field is	ticked, 3dB is need	to add for correct	tion			Ľ		
Sampled By:	(Signature)	WAI		Checked 1	By: (Sigr	nature)	Fai,	
	(Name)	WBI			(Nan	ne)	Fgi Su	
Date:	2	6191	2019	Date:		Z	6-9-201	

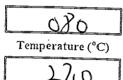
Effective Date: 01/06/2015

Rainfall (tick)

Nil	
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



16-20

1	GENERAL
1.	GENERAL

AUES

Project No.	162
Station ID No.	Λı

Time Period	Day / Evening / Night
Equipment Name	NL-52
Equipment No.	660811

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

 Rainfall (tick)

 Nil
 ✓

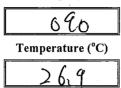
 Trace (< 1 mm)</td>

 Low (1 - 10 mm)
 *

 Medium (10 - 50 mm)
 *

 High (> 50 mm)
 *

[Direction from which wind originates] (degree)



*Note:** *Do not sample under these conditions*

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	EROPZ	Final Calibration Reading, dB(A)	940

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation				-		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		V	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic		V							
Aircraft		7	11						
Animals	V		- Ju	1.1.					
Other Sources	V			KZ					
· · · · · · · · · · · · · · · · · · ·			· · · · ·						

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESUL	LTS						
Start Time		1644		Stop Time		16=44	
Readings (Fast 1	Response)	N	Averaging Per Ionitoring Loca		ites utes utes utes utes utes uter transmission of the second sec	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	6816	49.3	38.X	4	45.7	4616	37.6
2	42.1	43.X	37.6	5	43.7	45,2	38,9
3.	455	435	38,5	6	423	thi1	37,9
Overall Leq (30 min)	by db	(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
* If free field is	s ticked, 3dB is nee	d to add for corre	ction				
Sampled By:	(Signature)	WA	1	Checked	By: (Signat	ture) Fai	

Sampled Dy.		WAT	Circlette
	(Name)	UAI	
Date:		27 (9/2019	Date:

cked By:	(Signature)	fai,	
	(Name)	Fai So	
:	Z-	7- 9- Zolg	

(SF-04A)

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

AUES

Date	21/9/2019
Project No.	1062
Station ID No.	Ň

Time PeriodPay/ Evening / NightEquipment Name//_52Equipment No.Equipment No.

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

 Rainfall (tick)

 Nil

 Trace (< 1 mm)</td>

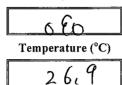
 Low (1 - 10 mm)
 *

 Medium (10 - 50 mm)
 *

 High (> 50 mm)
 *



[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	EROP2	Final Calibration Reading, dB(A)	eko

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	otion of Obse	rvation	·	
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic		レ							
Aircraft		V	1	<u> </u>					
Animals	ン		^X	6)					
Other Sources		V	/						

Sample	Observation	Sample	Observation
1	XG1	4	
2	<i>y</i> ,	5	
3		6	

5. RESULTS

Start Time		(3=03		Stop Time		13233	
Readings (Fast R	esponse)	N	Averaging Per Ionitoring Loca		ıtes 🕠 rom façade 🗋	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	647	4.4	3816	4	1450	48.7	39.1
2	40.8	424	381	5	403,9	13 00 46, S	1 38.6
3	440	46.3	40,1	6	4005	441	38.5
					~		200
Overall Leq (30 min)	57 (/ ав	(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is nee	d to add for corre	ction	L	┉┈┈┩		
Sampled By:	(Signature)	1		Checked	By: (Signat	ure) fa i	

Sampled By:(Signature) $\mathcal{W}\mathcal{H}$ (Name) $\mathcal{W}\mathcal{A}$ Date:27/9/2219

Checked By:	(Signature)
	(Name) Fai So
Date:	z 7- 9 - Zajy

AUES

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL 1.

Date	271912019
Project No.	1052
Station ID No.	NL

Time Period	Day / Evening / Night
Equipment Name	N1-52
Equipment No.	620/1

2. WEATHER

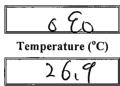
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick))
Nil	V
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

of children of			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9400
Calibrator Serial No	Elog2	Final Calibration Reading, dB(A)	Cleo

4. OBSE	RVED NOIS	SE SOL	RCES I	DURING I	MONITORIN	IG (TICK)				
Sour	ce	YES	NO	Description of Observation						
Construction	Activities			Piling	Mobilizatio		Excavation	Dredging		Grabbing
Facilities Op				Breaking	Cutting	Blasting	Backfilling	Demolition	n Formwork	unloading
Road Traffic										
Aircraft										
Animals		レ		/X	k (
Other Source	s	\mathbf{V}			17	7			-	
					$\overline{\mathcal{J}}$					
Sample		(Observa	tion		Sample		Obse	ervation	
1			X	à		4				
2						5				
3						6				
5. RESU	LTS									'
Start Time			(03)	.6		Stop Time		[]=	06	
Readings (Fast]	Response)				veraging Per nitoring Loca		utes from faça		30 minutes Free field	☐ ∕ *
Sample	L _{eq} , dB	(A)	L ₁₀ , d	B(A)	L ₉₀ , dB(A)	Sample	L _{eq} , d	B(A) I	, dB(A)	L ₉₀ , dB(A)
1	681	1	Y	14	40,3	4	45	5	12,5	4/16
2	Ľ H		ΨĨ	P.2	40í8	5	Ŷ.	6.4	49,9	40,5
3	<u> </u>	5.8	<u>Sč</u>	O	<u>4.4</u>	6	<u> </u>	6.1	4810	40.7
	T]	[
Overall Leq	600				Average Baseline	d R	B(A)		rected	. dB(A)
(30 min)	000)(<i>(</i> ()		Level			Noise	Level*	
* If free field is	s ticked, 3dB	is need	l to add f	for correcti	on					
Sampled By:	(Signature	;)		WA	1	Checke	d By:	Signature)	Fai	
	(Name)			WA	1			Name)	Fai Sa	
Date:		271912019			Date:		z7_ 0	7 2-11		

Version No.: 01

1	GENERAL
1.	GENERAL

AUES

Date	27/9/2019
Project No.	1062
Station ID No.	NZa

Time Period	(Day) / Evening / Night
Equipment Name	N1-52
Equipment No.	EQOIL

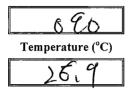
2. WEATHER

Wind Speed (tick) Calm (< 1m/s)</th> ✓ Low (1–5 m/s) ✓ Medium (5–10m/s) * High (> 10 m/s) *

Rainfall (tick)					
Nil					
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	EKio
Calibrator Serial No	EQÓSZ	Final Calibration Reading, dB(A)	Efio

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activities	-		Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		レ							
Aircraft									
Animals		\checkmark		l.					
Other Sources			T is	A.					

Sample	Observation	Sample	Observation
1		4	
2		5	
- 3		6	

_5. RES	ULTS						
Start Time		92.55		Stop Time		$10^{2}25$	
Readings (Fa	st Response)	N	Averaging Peri Ionitoring Locat		ıtes 🔽 rom façade 🗌	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	41.0	436	36.8	4	431	43.5	36.7
2	39.8	42.8	35-1	5	41.8	45.5	36.8
3	40,8	435	36.4	6	40.5	421	353
[=				······································			
1					I 1		

Overall Leq (30 min)	$\mathcal{H}_{\mathcal{L}} > dB(A)$	Average Baseline Level	dB(A)	Corrected Noise Level*	B(A)
* If free field is	ticked, 3dB is need to ad	d for correction	<u> </u>		
Sampled By:	(Signature)	WAI	Checked By:	(Signature) Sa;	
	(Name)	WA/		(Name) Fai So	
Date:	27	19/2019	Date:	27-9-2014	

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	27 19/2019
Project No.	1062
Station ID No.	NZQ

Time PeriodDay/ Evening / NightEquipment Name $\mathcal{N}(-52)$ Equipment No. $\mathcal{F}(2011)$

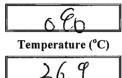
2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil ✓ Trace (< 1 mm)</td> * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

5. CREADIGATION			
Calibrator Model	SK4231	Initial Calibration Reading, dB(A)	e yw
Calibrator Serial No	60082	Final Calibration Reading, dB(A)	940

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

13:43

Source	YES	NO			Descrij	otion of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		V		-					
Aircraft		V							
Animals		V	<u> </u>	6					
Other Sources	\checkmark		Δ	R.					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS

Start Time	

Stop Time

30 minutes **Readings (Fast Response) Averaging Period :** 5 minutes 1 **Monitoring Location:** 1 meter from façade Free field L_{eg}, dB(A) L_{10} , dB(A)L₉₀, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample Leg, dB(A) Sample 40.14 1 5 2 Σ 3 6 4/12 n

Overall Leq (30 min)	5(, 5 ^{-dB(A)}	Average Baseline Level	dB(A)	Corrected Noise Level*		dB(A)
* If fine field is tisked 2dD is need to add for correction						

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	WAI	
	(Name)	WAI	
Date:		271912019	

Checked By:	(Signature) fz_1
	(Name) Fgi So
Date:	27-9-24

14-13

1. GENERAL

AUES

271912019
1062
NZa

Time PeriodDay/ Evening / NightEquipment NameM-52Equipment No.Equipment No.

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	~
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

 Rainfall (tick)

 Nil
 ✓

 Trace (< 1 mm)</td>
 ✓

 Low (1 - 10 mm)
 *

 Medium (10 - 50 mm)
 *

High (> 50 mm)

(degree)	
080	
Temperature (°C)	
26.9	

Wind Direction

[Direction from which

wind originates]

Note: * Do not sample under these conditions

3. CALIBRATION Calibrator Model BK423 (Initial Calibration Reading, dB(A) C440 Calibrator Serial No EQOX Final Calibration Reading, dB(A) G440

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		5							
Road Traffic		\checkmark	·						
Aircraft									
Animals		\checkmark	(/					
Other Sources	~			2					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESUI	LTS						
Start Time		15=38		Stop Time		16208	
Readings (Fast H	Response)	Ν	Averaging Per Aonitoring Loca		ites [rom façade [30 minutes Free field	□ ⊿*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A) $L_{10}, dB(A)$	L ₉₀ , dB(A)
1	40.2	48,6	35,0	4	43.4	5015	35.0
2	38,3	4610	343	5	the	48.6	24.2
3	424	49.4	345,2	6	40.1	- 47,9	341
·····			<u></u>				
Overall Leq (30 min)	$\mathcal{H}(\mathcal{L}^{dB(A)})$		Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is nee	d to add for corre	ction	······································			
Sampled By:	(Signature)	6. (Å	ł	Checked	By: (Signa	ature) Sai	

Sampled By:	(Signature)	WAT
	(Name)	WAI
Date:		27/9/2019

Checked By:	(Signature) Fai
	(Name) Fat, So
Date:	27-9-2-19

1. GENERAL

AUES

271912019
1062
NJa

Time Period (Day) Evening / Night 1 Equipment Name Equipment No. Fi ก

WEATHER 2.

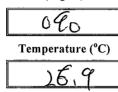
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1-5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil \checkmark Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. **CALIBRATION** BKY Calibrator Model Initial Calibration Reading, dB(A) Calibrator Serial No Final Calibration Reading, dB(A)

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

2

Source	YES	NO		Description of Observation					
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		$\overline{\mathbf{V}}$							
Aircraft		ン		./					
Animals	V		γ	57					
Other Sources		\vee	0	v					

Sample	Observation	Sample	Observation
1	ALT	4	
2		5	
3		6	

5. RESUL	LTS		 	 ····	
Start Time		1/=19	 Stop Time	11=49	
		······································	 		

Ke	adings (Fast I	(esponse)	N	Averaging Peri Monitoring Locat		rom façade	Free field	∐ []*
	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
	1	72.2	59.2	41.3	4	52.1	53.9	38.4
	2	50,2	53.0	40.X	5	5015	\$3,1	38,2
	3	507	53.8	37.3	6	524	541	3812

Overall Leq (30 min)	64.6	dB(A)		Average Baseline Level	dB(A)		Corrected Noise Level*		dB(A)
* If free field is	ticked, 3dB is	s need to add f	for correc	tion		-			
Sampled By:	(Signature)		h/A	1	Checked By:	(Signa	ture) For		
	(Name)		I.A	-1		(Name) Frai (()	

Date:

Date:

Ze 19

Pan SU

Wind Direction [Direction from which

wind originates] (degree)

690

Temperature (°C)

)

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

Rainfall (tick)

1	GENERAL
	O DI TEINAL

AUES

Date	271912019
Project No.	(062-
Station ID No.	NZa

Time Period	Day / Evening / Night
Equipment Name	N/L-52
Equipment No.	FQOLL

 \checkmark

*

*

*

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

BRATION

U. ONLIDIUTION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	EQ0/2	Final Calibration Reading, dB(A)	940

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

11=50

Source	YES	NO		Description of Observation					
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		V	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic		$\boldsymbol{\vee}$							
Aircraft		V	6 .	/					
Animals	V		XC	z]					
Other Sources									

Sample	Observation	Sample	Observation
1	XG	4	
2		5	
3		6	

5. RESULTS

Readings (Fast Response)

Start Time	

Averaging Period :

Monitoring Location:

Stop Time

5 minutes

1 meter from façade

2=20 ſ

30 minutes

Free field

Sample $L_{eq}, dB(A)$ $L_{10}, dB(A)$ $L_{90}, dB(A)$ Sample $L_{eq}, dB(A)$ $L_{10}, dB(A)$ $L_{90}, dB(A)$ 1 $\begin{pmatrix} Q_{1} \\ Q_{1} \end{pmatrix}$ $\begin{pmatrix} S_{2} & Q \\ Q_{1} & Q_{1} \end{pmatrix}$ $\begin{pmatrix} A \\ Q_{1} \end{pmatrix}$ $\begin{pmatrix} S_{2} & Q \\ Q_{1} & Q_{1} \end{pmatrix}$ $\begin{pmatrix} A \\ Q_{1} \end{pmatrix}$ <th>-</th> <th></th> <th></th> <th>-</th> <th></th> <th></th> <th></th> <th></th>	-			-				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
	1	691	65.9	38.8	4	52.3	56.9	36.2
	2	55,3	5813	383	5		57.9	37.1
3 47.8 SILX 35.9 6 50,5 54.9 36,1	3	47.8	SILX	35,9	6	50,5	54.9	36.1

Overall Leq (30 min)	6 (. 8 dB(A)	Average Baseline Level	dB(A)		Corrected Noise Level*		dB(A)
* If free field is	ticked, 3dB is need to ad	d for correction		_ ,			
Sampled By:	(Signature)	WAT	Checked By:	(Signa	ture) Fai		
	(Name)	ut		(Name) tai	So	
Date:	2	119/2019	Date:		27-9-20	19	

3.	CA	LIB

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	271912019
Project No.	1042
Station ID No.	NJa

Time Period	(Day / Evening / Night
Equipment Name	M-52
Equipment No.	EDOLL

2. WEATHER

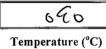
Wind Speed (tick)

Calm (< 1m/s)	\checkmark
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil	~			
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)





Note: * Do not sample under these conditions

3. CALIBRATIONCalibrator Model\$(423)Initial Calibration Reading, dB(A) $\pounds(423)$ Calibrator Serial No $\pounds(23)$ Final Calibration Reading, dB(A) $\pounds(423)$

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO		Description of Observation					
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		$\overline{\mathbf{V}}$							
Road Traffic		V							
Aircraft		V		-					
Animals	V		X4.	x)					
Other Sources		V							

Sample	Observation	Sample	Observation
1	XGI	4	
2		5	
3		6	

5. RESULTS			· · ·	
Start Time	16:57	Stop Time	17227	
		- Devied . 5 minutes	a minutos	

Re	adings (Fast F	Response)	N	Averaging Peri Ionitoring Locat		ites 🚺	30 minutes Free field	☐ ∕*
	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
	1	70,3	55.8	347	4	44.5	47.5	33.1
	2	47,3	(8.8)	349	5	46.4	48.0	33.5
	3	421	4614	32,8	6	50,5	50,0	34,2

Overall Leq (30 min)	62.6 dB(A)		Average Baseline Level	dB(A)		Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is need to ad	d for corre	ction		-	_	
Somulad Dru	(Signature)	· • A (Cheeked Bu	(Signa	tura)	

Sampled By: (Signature) WA(Name) VADate: 271912019

Checked By:	(Signature) $f_{\mathcal{U}_{i}}$	
	(Name) Fgi Sa	
Date:	27-9-24	

Version No.: 01

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	27/9/2019
Project No.	1062
Station ID No.	NY

Time Period	Day / Evening / Night
Equipment Name	11-52
Equipment No.	EROIL

2. WEATHER

Wind Speed (tick)

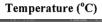
Calm (< 1m/s)	~
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

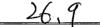
Rainfall (ticl	k)
Nil	~
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)







Note: * Do not sample under these conditions

 3. CALIBRATION

 Calibrator Model
 BK423/
 Initial Calibration Reading, dB(A)
 Check

 Calibrator Serial No
 Calibrator Serial No
 Final Calibration Reading, dB(A)
 Check

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic									
Aircraft		レ	11						
Animals			Xa						
Other Sources									

Sample	Observation	Sample	Observation
1	No.	4	
2	<i>y</i> - <i>y</i>	5	
3		6	

_5. RESULTS					
Start Time	9-08	Stop Time	9:3	8	
Readings (Fast Response)	Averaging Pe Monitoring Loc		ites 🚺	30 minutes Free field	□*

Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	649	46.7	36.4	4	40.5	ψ_2	36.1
2	38,1	405	346	5	39,5	4/19	149
3	39,4	413	33,5	6	40,1	Ý2,8	341

Overall Leq (30 min)	57, LdB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
+ 70.0 01.1.1.1					

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature)
	(Name) Fgi Sd
Date:	27-9-2019

Version No.: 01

1. GENERAL

AUES

Date	271912019
Project No.	1662
Station ID No.	NY

Time Period	(Day) / Evening / Night
Equipment Name	NL-52
Equipment No.	FROLL

2. WEATHER

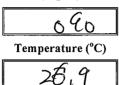
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil \sim Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

Wind Direction
[Direction from which

wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9.44
Calibrator Serial No	EQ 082	Final Calibration Reading, dB(A)	240

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		レ							
Aircraft		レ							
Animals		レ							
Other Sources		~							

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESUL	LTS							
Start Time		(42)	15	Stop Time			14255	6
Readings (Fast F	Response)		Averaging Per Monitoring Loca			;ade	30 minute Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	Leq	, dB(A)	L ₁₀ , dB(A)) L ₉₀ , dB(A)
1	41.2	43.3	36.6	4	4	2.8	39,5	- 32,8
2	39.9	42.9	348	5	G G	4016	401	8 33.5
3	39.8	41.6	33,9	6	Ż	B 191	39.1	326
						WA_		
Overall Leq (30 min)	40, J dB	B(A)	Average Baseline Level	dB(A)		Corrected oise Level*	dB(A)
* If free field is	ticked, 3dB is nee	d to add for cor	rection					
Sampled By:	(Signature)	WZ	Ή	Checked	By:	(Signature) Fri	
	(Name)	u/	J I			(Name)	Fai	Su

Date:

Date:

27

70h

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27/9/2019

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL	100
Date	27(9/2019)
Project No.	1062
Station ID No.	NY

Time Period	Day / Evening / Night
Equipment Name	N1-52
Equipment No.	FQ011

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Note:* Do not sample under these conditions

3. CALIBRATION

UT UTILIDIUTION	· · · · · · · · · · · · · · · · · · ·		
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	EQ 082	Final Calibration Reading, dB(A)	etto

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic		$\mathbf{\nabla}$		· · · ·					
Aircraft		V							
Animals		レ							
Other Sources		V							

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS

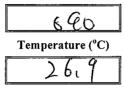
Start Time		1425	6	Stop Time			
Readings (Fast I	Response)	Ň	Averaging Peri Ionitoring Locat		utes 🚺	30 minutes Free field	□ ∅*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	439	41.9	33.5	4	41.6	45.2	34.5
2	40.7	¥3,5	35,5	5	Q.S	¥2,9	35.X
3	46.5	42.9	36.0	б	41.8	H18	34.9
F		╼╼═╌╢ ╶╴╼╍═╌╢					

Overall Leq (30 min)	ΨΨŢ dB(A)		Average Baseline Level	dB(A)		Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is need to ad	d for correc	tion				
Sampled By:	(Signature)	WAS		Checked By:	(Signa	ture) Fai	
	(Name)	WA			(Name) Fai So	(
Date:	27	1912	019	Date:		27-9-24	1

Rainfall (tick)

Nil	ン
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

[Direction from which wind originates] (degree)



1. GENERAL

AUES

Date))/9/2019
Project No.	
Station ID No.	NI

Time Period	Day / Evening / Night
Equipment Name	NL-52
Equipment No.	EDOLL

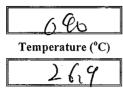
2. WEATHER

Wind Speed (tick) Calm (< 1m/s)</th> ✓ Low (1-5 m/s) * Medium (5-10m/s) * High (> 10 m/s) *

Rainfall (tick)			
Nil			
Trace (< 1 mm)			
Low (1 - 10 mm)	*		
Medium (10 - 50 mm)	*		
High (> 50 mm)	*		

Wind Direction

[Direction from which wind originates] (degree)



Note: * *Do not sample under these conditions*

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	ERO/2	Final Calibration Reading, dB(A)	940

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		V							
Aircraft		5	<i>C E</i>						
Animals	レ		Xi						
Other Sources)	<u> </u>						

Sample	Observation	Sample	Observation
.1	1857	4	
2	······································	5	
3		6	

5. RESULTS

Start Time		10=31		Stop Time		102	
Readings (Fast F	Response)	M	Averaging Perio		ites 🛛 🗹 rom façade 🗌	30 minutes Free field	□ ⊿*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	71.2	758	416	4	43-2	46,5	Corp
2	440	46.9	\$39,2	5	43,3	455	39.9
3	tho	Git	40,9	6	424	45.0	39.9
Overall Leq (30 min)	63,5 ав	(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is nee	d to add for correc	ction				
Sampled By:	(Signature)	WH		Checked	By: (Signatu	re) Sui	

Date:

W (Name) 28/9/2019

Checked By:	(Signature)	Sai	
	(Name)	Fai So	
Date:	<u> </u>	- 9-Zuji	

1. GENERAL

AUES

II GUIGICIN	
Date	281912019
Project No.	
Station ID No.	$\wedge/1$

Time Period	Day / Evening / Night
Equipment Name	NL-52
Equipment No.	(RO11

2. WEATHER

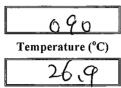
Wind Speed (tick) Calm (< 1m/s)/ Low (1-5 m/s) * Medium (5-10m/s) * High (> 10 m/s)

Rainfall (tick)				
Nil	レ			
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

.

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9/40
Calibrator Serial No	662082	Final Calibration Reading, dB(A)	Etro

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

Source	YES	NO		Description of Observation					
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic									
Aircraft			s.L.						
Animals	1		10	11					
Other Sources	$\overline{\mathcal{A}}$			人语					

Sample	Observation	Sample	Observation
1	851	4	
2		5	
3		6	

5. RESULTS

Start Time		13-16		Stop Time		13=46	
Readings (Fast I	Response)	N	Averaging Per Ionitoring Loca		ıtes 🚽	30 minutes Free field	□ ⊿*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	(7,3	453	37.5	4	44,4	45.2	27,5
2	422	4610	3811	5	42,2	460	38.3
3	Ý21	47.0	39.3	6	422	45,2	37.3

Overall Leq (30 min)	SqL dB(A)	Bas	erage seline evel	dB(A)		Corrected Noise Level*		dB(A)
* If free field is	ticked, 3dB is need to add	d for correction	-					
Sampled By:	(Signature)	MAL		Checked By:	(Signa	ture) Fai		
	(Name)	WH			(Name) Fai Su	J	
Date:	2)	19/201	_1	Date:		28-9-20p)	

1.	GENERAL	
Date		281

Date	281912019
Project No.	
Station ID No.	N

Time Period	Day / Evening / Night
Equipment Name	NG52
Equipment No.	FQ011

2. WEATHER

AUES

Wind Speed (tick)

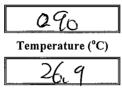
Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)

\checkmark
*
*
*

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

UT UTILIZZZIA UTILIZZZA			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	24 m
Calibrator Serial No	EQUX2	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		V	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		$\langle \rangle$							
Aircraft		V	KI.	-					
Animals	~		Ta	5 1-1					
Other Sources				人名					

Sample	Observation	Sample	Observation	
1	XE	4		** __
2		5		
3		6		

RESULTS 5.

Start Time		16-24	L	Stop Time		16:54	
Readings (Fast I	Response)	N	Averaging Per Monitoring Loca		ites 🚺	30 minutes Free field	*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	70.8	50.8	348	4	45.3	48.9	33, 9

2 5 46.2 3 6

Overall Leq (30 min)		Average Baseline Level	dB(A)		Corrected ise Level*	dB(A)
* If free field is	ticked, 3dB is need to ad	d for correction				
Sampled By:	(Signature)	VAL	Checked By:	(Signature)	Jai,	
	(Name)	WAL		(Name)	Fai	So
Date:	28	19/2019	Date:	28	- 9-240	· · ·

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	28/9/2019
Project No.	
Station ID No.	N2a

Time Period	Day / Evening / Night
Equipment Name	NL-52
Equipment No.	FQ011

2. WEATHER

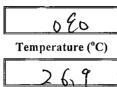
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)	
Nil	V
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

UI CILLIDIUITION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	tRog2	Final Calibration Reading, dB(A)	94,0

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		V							
Aircraft		$\boldsymbol{\mathcal{L}}$							
Animals		レ	1.	L					
Other Sources	V		K.	Z					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS				
Start Time	9-54	Stop Time	10=24	
	· · · · · · · · · · · · · · · · · · ·			

R	eadings (Fast I	Response)	N	Averaging Peri Monitoring Locat		utes C from façade C	30 minutes Free field	
	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
	1	4/19	42.3	3600	4	424	43,5	36.2
	2	42.2	421	365	5	420	43.4	37.0
	3	4.9	41.1	35,6	6	9.0	43.7	38,2

Overall Leq (30 min)	(42,6 dB(A)		Average Baseline Level	dB(A)			rected Level*		dB(A)
* If free field is	ticked, 3dB is need to a	d for correct	ction		-				
Sampled By:	(Signature)	WA	1	Checked By:	(Signa	ture)	Sa	\ /	
	(Name)	A	p		(Name	e)	Fai	Sd	

Date:

Date:

19120

28

Z{

9-2-19

<u>1. GENERAL</u>	
Date	28/9/2019
Project No.	
Station ID No.	N2a

Time Period	(Day) Evening / Night
Equipment Name	NL-52
Equipment No.	FQ011

2. WEATHER

AUES

Wind Speed (tick)

Calm (< 1m/s)	~
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

 Rainfall (tick)

 Nil

 Trace (< 1 mm)</td>

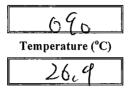
 Low (1 - 10 mm)
 *

 Medium (10 - 50 mm)
 *

 High (> 50 mm)
 *

Wind Direction

[Direction from which wind originates] (degree)



*Note:** *Do not sample under these conditions*

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	ER082	Final Calibration Reading, dB(A)	Etho

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

YES	NO			Descri	ption of Obse	rvation		
		Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
	\checkmark							
	\checkmark							
	1	4						
V		L it	2					
	YES		Piling Image: Piling	Piling Mobilization Breaking Cutting Cutting Cutting	Piling Mobilization Drilling Breaking Cutting Blasting U U U	Piling Mobilization Drilling Excavation Breaking Cutting Blasting Backfilling U U U U	Piling Mobilization Drilling Excavation Dredging Breaking Cutting Blasting Backfilling Demolition U U U U U	Piling Mobilization Drilling Excavation Dredging Concreting Breaking Cutting Blasting Backfilling Demolition Formwork U U U U U U U

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS

Start Time		13=52		Stop Time		14-22	· · · · · · · · · · · · · · · · · · ·
Readings (Fast R	(esponse)	Л	Averaging Per Monitoring Loca		ites	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	4.8	4200	36.6	4	(2,3	440	36.8
2	405	412	35.4	5	4.5	4412	37.9
3	43.5	y.o	36,5	6	41.1	43,5	36.9
Overall Leq (30 min)	H A dB	(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date: 281

Checked By:	(Signature)	Sai	
	(Name)	Fai So	
Date:		- 9- 2019	

Version No.: 01

2019

GENERAL

AUES

1.

Date	281912019
Project No.	
Station ID No.	N2a

Time Period	Day / Evening / Night
Equipment Name	M-52
Equipment No.	EQOIL

2. WEATHER

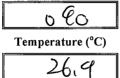
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

CALIBRATION 3.

o. Chilibianion			
Calibrator Model	B144231	Initial Calibration Reading, dB(A)	Ellin
Calibrator Serial No	FR082	Final Calibration Reading, dB(A)	qtio

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic		\checkmark							
Aircraft		\checkmark	٨.	/					
Animals	V		X	7					
Other Sources									

Sample	Observation	Sample	Observation
1	857	4	
2		5	
3		6	

5. RESU	JTS			
Start Time	15-47	Stop Time	(62(7	

Readings (Fast R	Response)	Ν	Averaging Peri Ionitoring Locat		utes 🗹 from façade 🗌	30 minutes Free field	□ ∑*
Sample	L _{eq} , dB(A)	L ₁₀ , d B (A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	57.2	lbin	35.2	4	45,901	43.0	348
2	39.5	40.1	346	5	40.4	19.2	35.6
3	44.2	43.2	35,8	6	(Dio	443	35.¥

Overall Leq (30 min)	50 v)_dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
* If free field is	ticked 3dB is need to add for	or correction			

If free field is ticked, 3dB is need to add for correction

Version No.: 01

Sampled By:	(Signature)	WAI
	(Name)	WA
Date:		28/9/2019

Checked By:	(Signature) Sz
	(Name) Fai So
Date:	28-9-Zop

1. GENERAL

AUES

Date	28 (9/2019
Project No.	
Station ID No.	NZa

Time Period	(Day) / Evening / Night
Equipment Name	M-52
Equipment No.	EQUI

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

 Rainfall (tick)

 Nil
 ✓

 Trace (< 1 mm)</td>
 *

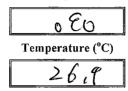
 Low (1 - 10 mm)
 *

 Medium (10 - 50 mm)
 *

 High (> 50 mm)
 *

Wind Direction

[Direction from which wind originates] (degree)



*Note:** *Do not sample under these conditions*

3. CALIBRATION

01 01101011			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	e tro
Calibrator Serial No	EQ072	Final Calibration Reading, dB(A)	e40

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		2					·		
Aircraft		\checkmark		7.0					
Animals	\checkmark		31						
Other Sources		\checkmark							

Sample	Observation	Sample	Observation
1	X51	4	
2		5	
3		6	

5. RESULTS

Start Time		1/212	-	Stop Time	2	42	
Readings (Fast I	Response)		Averaging Peri Monitoring Locat		ites	30 minutes Free field	
Sample	Leg, dB(A)	L_{10} , dB(A)	L ₉₀ , dB(A)	Sample	L _{eg} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)

Sample	L _{eq} , dB(A)	$ L_{10}, dB(A)$	L_{90} , dB(A)	Sample	L _{eq} , dB(A)	L_{10} , dB(A)	$L_{90}, dB(A)$
1	(8,9	54.4	37.8	4	48.4	53,9	38,0
2	H.L	50,5	37.9	5	(WY	5/19	38.2
3	45.5	536	37.0	6	47,2	5/12	38,2

Overall Leq (30 min)	6(. 2 dB(A)	Average Baseline Level	dB(A)		Corrected Noise Level*	d)	B(A)
* If free field is	ticked, 3dB is need to ad	d for correction					
Sampled By:	(Signature)	WAL	Checked By:	(Signa	ture) Fai		
	(Name)	WAI		(Name) Fai	Sa	
Date:	28	1912019	Date:		28-9-2010	1	

1.

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

GENERAL

Date	2819 12019
Project No.	
Station ID No.	NBa

Time Period	Day / Evening / Night
Equipment Name	NL-@52
Equipment No.	70011

WEATHER 2.

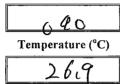
Wind Speed (tick)

Calm (< 1m/s)	~
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)			
Nil	~		
Trace (< 1 mm)			
Low (1 - 10 mm)	*		
Medium (10 - 50 mm)	*		
High (> 50 mm)	*		

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	240
Calibrator Serial No	FROPZ	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

1/244

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V					-		
Road Traffic		\checkmark							
Aircraft		\checkmark	. 1						
Animals	V		20						
Other Sources		\checkmark							

Sample	Observation	Sample	Observation
1	XE	4	
2		5	
3		6	

5. RESULTS

Start Time	

Readings (Fast Response)

Stop Time

5 minutes

30 minutes

27

Ū

Free field

1 meter from façade 📝 **Monitoring Location:** L₁₀, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample L_{eq}, dB(A) L₉₀, dB(A) Sample 1 2 ζ 4 76 .6 2 5 2 2 6 3 6 SON

Averaging Period :

Overall Leq (30 min)651 dB(A)Average Baseline LeveldB(A)Corrected Noise Level*	-		Baseline dB(A)		dB(A)
--	---	--	----------------	--	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	WAI
	(Name)	WAL
Date:		281912019

Checked By:	(Signature)
	(Name) Fai So
Date:	28-9-249

Version No.: 01

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	2819(2019
Project No.	
Station ID No.	N3a

Time Period	Day / Evening / Night
Equipment Name	NL-52
Equipment No.	FROIL

2. WEATHER

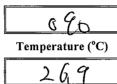
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil \checkmark Trace (<1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3 CALIBRATION

Di CILLIDIGITIOTI			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	62082	Final Calibration Reading, dB(A)	etro

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

26

Source	YES	NO		Description of Observation					
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		$\mathbf{\mathcal{L}}$							
Aircraft									
Animals				-					
Other Sources									

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS

Readings (Fast Response)

Start Time	Start	Time
------------	-------	------

Stop Time

5 minutes

30 minutes

λĴ

レ

7* Free field

1 meter from façade **Monitoring Location:** L₁₀, dB(A) L₉₀, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) L_{eq}, dB(A) Sample Sample 4 12 1 2 2 5 3 21 3 6

Averaging Period :

Overall Leq (30 min) (\mathcal{L}) \mathcal{L} $dB(A)$ Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
---	-------	---------------------------	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 9(2019 Date: 28

Checked By:	(Signature) fai
	(Name) Fai So
Date:	28-9-219

<u>1. </u>	
Date	28/9/2019
Project No.	
Station ID No.	M

Time Period	Day / Evening / Night
Equipment Name	N-52
Equipment No.	ERO 11

2. WEATHER

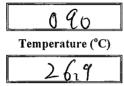
AUES

Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	60012	Final Calibration Reading, dB(A)	9460

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities	-		Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		~							
Road Traffic		\checkmark							
Aircraft		レ	e le	7					
Animals			12)					
Other Sources		V							

Sample	Observation	Sample	Observation
1	757	4	
2		5	
3		6	

5. <u>RESULTS</u>

5. ICEDUL								
Start Time		9-12		Stop Time			9=42	
Readings (Fast R	Response)	N	Averaging Per Ionitoring Loca		ıtes rom façad	e 🗌	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dl	B(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	667	45.2	36.3	4	(45	,2	4/1	330
2	40.5	4019	34.6	5	Ŀ,	21	43.1	35,2
3	413	41.2	33.2	6	Ý	KI	¥21	36.3
Overall Leq (30 min)	59 dB	(A)	Average Baseline Level	dB((A)		Corrected bise Level*	dB(A)
* If free field is	ticked, 3dB is nee	d to add for corre	ction					
Sampled By:	(Signature)	WA	f	Checked	By: (S	ignature) Sai,	
	(Name)	1. 14	, 		1)	Jame)	Fai So	

Date:

Date:

28/9/2019

28-9-20p

1. GENERAL

AUES

Date	28/9/2019
Project No.	
Station ID No.	NY

Time Period	Day / Evening / Night
Equipment Name	N-8952
Equipment No.	60011

2. WEATHER

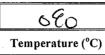
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil ~ Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

Wind Direction

[Direction from which wind originates] (degree)





Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK42>1 9000	Initial Calibration Reading, dB(A)	CLW
Calibrator Serial No	600829	Final Calibration Reading, dB(A)	94io

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			Descrip	otion of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic		\checkmark							-
Aircraft		\checkmark							
Animals		\checkmark							
Other Sources		$\overline{\checkmark}$							

Sample	Observation	Sample	Observation
1	· ·	4	
2		5	
3		6	

5. RESUL	15			
Start Time	(4-2))	Stop Time	15203	

Response)	N				30 minutes Free field	
L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
414	423	34,5	4	43.0	4.7	324
41.7	HILD	8423.9	5	40.2	425	347
42,7	41.2	334	6	627	423	345
	C(IV)	$ \begin{array}{c c} $	Monitoring Locat L_{eq} , dB(A) L_{10} , dB(A) L_{pq} , dB(A) L_{eq} , dB(A) L_{10} , L_{10} , dB(A) L_{10} , L_{10} , dB(A) L_{10} , L_{10} , L_{10} , dB(A) L_{10} , L_{10} , L_{10} , dB(A) L_{10} ,	Monitoring Location: 1 meter f L_{eq} , dB(A) L_{10} , dB(A) L_{90} , dB(A)Sample $(1,1,2,,1,1,2,,1,1,2,,1,2,,1,1,2,,1,1,2,,1,1,2,,1,1,2,,1,1,2,,1,1,2,,1,1,2,,1,1,2,,1,1,1,1$	Monitoring Location: 1 meter from façade L_{eq} , dB(A) L_{10} , dB(A) L_{90} , dB(A)Sample L_{eq} , dB(A) $U_{f,V}$ $U_{2,V}$ $U_{3,V}$ 4 $U_{3,V}$ $U_{f,V}$ $U_{2,V}$ $U_{3,V}$ $U_{3,V}$	Monitoring Location: 1 meter from façadeFree field L_{eq} , dB(A) L_{10} , dB(A) L_{90} , dB(A)Sample L_{eq} , dB(A) L_{10} , dB(A) $U_{1,1}$ $U_{2,2}$ $U_{2,2}$ $U_{2,2}$ $U_{2,2}$ $U_{2,2}$ $U_{2,2}$ $U_{1,1}$ $U_{1,2}$ $U_{2,2}$ $U_{2,2}$ $U_{2,2}$ $U_{2,2}$

Overall Leq (30 min)	(4) (dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	r. ii	dB(A)
* If free field is	ticked. 3dB is need to ad	d for correction				

free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	M/HP
	(Name)	W101
Date:		2819/2019

Checked By:	(Signature) Fa
	(Name) Fai So
Date:	28-9-2-14

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

GENERAL 1.

Date	2819 12017
Project No.	
Station ID No.	NY

Time Period (Day) / Evening / Night Equipment Name ९) FJ Equipment No. $\cap \Pi$

WEATHER 2.

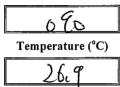
Wind Speed (tick)

Calm (< 1m/s)	\checkmark
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

5. CADIDICATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	240
Calibrator Serial No	EQ0/2	Final Calibration Reading, dB(A)	e Yio

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic									
Aircraft									
Animals									
Other Sources		V							· · · · · · · · · · · · · · · · · · ·

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

ſ	5. RESUI Start Time		15=0.5		Stop Time		1535	
• • • • • • • • • • • • • • • • • • •				Averaging Per Monitoring Loca		utes U	30 minutes Free field	
	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
	1	43.6	45.2	346	4	39.6	432	33.7

2	40.2	442	33.6	5	43.8	45,4	340
3	38.5	42.0	34,2	6	the	449	34.1
Overall Leq			Average			Corrected	

Baseline

Level

dB(A)

J

* If free field is ticked, 3dB is need to add for correction

41,6^{dB(A)}

Sampled By:	(Signature)	WH
	(Name)	WA1
Date:		281912019

Checked By:	(Signature) Fai
	(Name) Feij So
Date:	28-9-2019

Noise Level*

(30 min)

dB(A)

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

1. GENERAL	
Date	29/9/2019
Project No.	1062
Station ID No.	NI

Day) Time Period Evening / Night 1 Equipment Name 1~ ダフ 5 Equipment No. -600

2. WEATHER

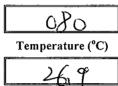
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tic	k)
Nil	
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

UI CILLIDIUITION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	946
Calibrator Serial No	FR082	Final Calibration Reading, dB(A)	atio

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

10=43

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		V							
Aircraft			2.0	6					
Animals	$\overline{\mathbf{V}}$		Y	2) ((
Other Sources	$\overline{\mathbf{V}}$			L3					
Sample	C	Observa	tion		Sample	-	Observ	ation	

Sample	Observation	Sample	Observation
1	XG	4	
2		5	
3		6	

RESULTS 5.

Start Time	
------------	--

Readings (Fast Response)

Stop Time

5 minutes

30 minutes Free field

3 2

L

		N	Ionitoring Loca	tion: 1 meter	from façade 🗌	Free field	 *
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	69.3	4600	37.3	4	455	473	Ep.1
2	4918	47.8	364	5	47.5	46.4	38.1
3	620	66.1	41.3	6	45.7	45.2	37.0

Averaging Period :

Overall Leq (30 min) $(2, 4 \text{ dB}(A))$	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
---	------------------------------	-------	---------------------------	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 9 2

Checked By:	(Signature) \mathcal{M}'_{i}
	(Name) Foi So
Date:	29-9-2-19

Date:

12019

9

1. GENERAL

AUES

Date	29/9/2019
Project No.	10(2
Station ID No.	Ň

Time Period	(Day) / Evening / Night
Equipment Name	M-52
Equipment No.	EQ011

2. WEATHER

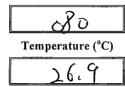
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

CALIBRATION 3. BK423 940 Calibrator Model Initial Calibration Reading, dB(A) Calibrator Serial No Final Calibration Reading, dB(A) 940 HQOX 2

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation				•					
Road Traffic									
Aircraft		V	~	. <i>j</i> .					
Animals	V		- IY	a) ,+					
Other Sources				LÆ					

Sample	Observation	Sample	Observation
1	18KJ	4	
2		5	
3		6	

5. RESUL	LTS	<u> </u>	
Start Time	12-43	Stop Time	13213

Readings (Fast I	Response)	Ν	Averaging Per Monitoring Loca		ıtes 🚺	30 minutes Free field	☐ ∕×
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	67.6	4610	324	4	4.2	8.9	36.1
2	526	438	36.2	5	¥28	45.7	JFg
3	43,6	46,5	37.4	6	H.8	43.0	36,2

Overall Leq (30 min)	6(,)_ dB(A)	Average Baseline Level	dB(A)		Corrected Noise Level*		dB(A)
* If free field is	ticked, 3dB is need to ad	d for correction					
Sampled By:	(Signature)	INAT .	Checked By:	(Signa	ture) Sai		
	(Name)	MA-1		(Name	e) Fai	Sa	
Date:	29	19/2019	Date:		29-9-24	2	

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	291912019
Project No.	1062
Station ID No.	\sim

Time Period	Day / Evening / Night
Equipment Name	NL-52
Equipment No.	EROIL

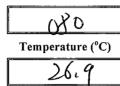
2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	\checkmark
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Wind	Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	Eloj2	Final Calibration Reading, dB(A)	Ello

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting Formwork	Grabbing unloading
Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
K/I						
J A	L					
	/ Z					
	- JET					

Sample	Observation	Sample	Observation
1	3/5]	4	
2		5	
3		6	

5. RESULTS

Start	Time
Start	Time

15=50

Stop Time

Readings (Fast Response) Averaging Period : 5 minutes 30 minutes 1 meter from façade Free field **Monitoring Location:** L₁₀, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample L_{eq}, dB(A) L₉₀, dB(A) Sample L_{eq}, dB(A) 1 4 .) 2 lΩ 2 5 ᡝ 3 6 2 9.0

Overall Leq(30 min)	Average Baseline dB Level	(A) Corrected Noise Level* dB(A)
---------------------	---------------------------------	-------------------------------------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 2120 Date:

Checked By:	(Signature)	Ji	71	
	(Name)	Ť9i	50	
Date:	Z9-	9-2	d []	

6-20

.

Version No.: 01

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	29/9/2019
Project No.	(1)62
Station ID No.	X12g

Time PeriodOay/ Evening/ NightEquipment Name1/20052Equipment No.1/20011

2. WEATHER

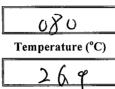
Wind Speed (tick)

Calm (< 1m/s)	~
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)					
Nil	V				
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION Calibrator Model $\beta \not{\downarrow} \not{\downarrow} 2 \not{3} /$ Initial Calibration Reading, dB(A) $\ell' \not{\downarrow} \omega$ Calibrator Serial No EQ082 Final Calibration Reading, dB(A) $\ell' \not{\downarrow} \omega$

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		V							
Aircraft		レ							
Animals		V	,	4					
Other Sources				1ª					

Sample	Observation	Sample	Observation
1		4	
2	······································	5	
3	·	6	

5. RESULTS Start Time M=04 Stop Time (D=34) Readings (Fast Response) Averaging Period : 5 minutes 30 minutes

		Ν	Ionitoring Locat	ion: 1 meter 1	from façade 🗌	Free field	⊠*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	47.7	Eq.8	40.2	4	55.0	59.2	42.Y
2	46.5	50.2	4,2	5	49.8	52,3	419
3	462	4810	418	6	47.2	4911	41.9

Overall Leq (30 min)	$\int \delta \cdot dB(A)$	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
* 16 6 6 .1.1	(1.1.1.1.2.4D 1				

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) W/ WA (Name) 912019 Date: 291

Checked By:	(Signature) Fr
	(Name) Foi So
Date:	29-9-2019

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	29(9(2019
Project No.	1062
Station ID No.	N2g

Time PeriodDay/ Evening / NightEquipment Name $\mathcal{N}_{-} \mathcal{S} \mathcal{L}_{-}$ Equipment No. $\mathcal{E} Q \cap \mathcal{I}$

2. WEATHER

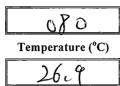
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)						
Nil						
Trace (< 1 mm)						
Low (1 - 10 mm)	*					
Medium (10 - 50 mm)	*					
High (> 50 mm)	*					

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

<u>on onendration</u>			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	eyw
Calibrator Serial No	Elopz	Final Calibration Reading, dB(A)	240

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		レ							
Aircraft		レ							
Animals				L					
Other Sources	\checkmark			Æ					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS

Readings (Fast Response)

Start Time

13=19

Stop Time

5 minutes

30 minutes

13249

Ū

Free field 12* 1 meter from façade **Monitoring Location:** L_{eq}, dB(A) L₁₀, dB(A) L_{eq}, dB(A) L₁₀, dB(A) Sample L₉₀, dB(A) Sample L₉₀, dB(A) ()1 4 5 2 5 50.4 :0 i 3 6

Averaging Period :

		(1)			Corrected Noise Level*	dB(A)
--	--	-----	--	--	---------------------------	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date: 9/2019

Checked By:	(Signature)	Sai,	
	(Name)	Fai So	
Date:	29-	9-249	

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	29(912019
Project No.	1662
Station ID No.	N29

Time PeriodDay/ Evening / NightEquipment NameNL-J2Equipment No.FC011

2. WEATHER

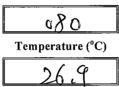
Wind Speed (tick)

Calm (< 1m/s)	レ
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)						
*						
*						
*						

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

UT OTTENDIGITATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9415
Calibrator Serial No	ER082	Final Calibration Reading, dB(A)	9140

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO		Description of Observation					
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		5							
Aircraft									
Animals		\checkmark	c +	/					
Other Sources			人	É					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

	5. RESU	LTS						
	Start Time		15-14		Stop Time	(5-44	
F	Readings (Fast I	Response)	N	Averaging Per Monitoring Loca		ıtes 🔽 rom façade 🗌	30 minutes Free field	*
	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
	1	43,2	43.5	36,1	4	41.2	42.8	35,4
ľ	2	(11)	(12.0	35.0	5	47.)_	438	31.5

Overall Leq (30 min)	€ <i>Q</i> ₁ 5 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	-	dB(A)

6

56,

34

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 9/2019 Date:

Checked By:	(Signature)	Sai'
	(Name)	Fai So
Date:		9-2-19

3

1. GENERAL

AUES

Date	29(9(2019
Project No.	1062
Station ID No.	N 3a

Time PeriodDay/ Evening / NightEquipment NameImage: Signal S

2. WEATHER

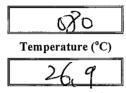
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil	~			
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK-4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	£2082	Final Calibration Reading, dB(A)	é ko

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation	-								
Road Traffic		V							
Aircraft		\checkmark							
Animals	ζ		JE	2					
Other Sources	Q	V			,				

Sample	Observation	Sample	Observation
1	XA	4	
2		5	
3		.6	

5. RESULTS

Start Time	l	(1:27		Stop Time	(125	<u> </u>
Readings (Fast I	Response)	N	Averaging Per Monitoring Loca		utes 🚺 rom façade 🛄	30 minutes Free field	□ ☑*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	66.6	SILY	3018	4	4).5	4812	31,2
2	4K4	48.2	324	5	YSP	5015	31.3
3	GP.Y	521	31.0	6	(44.1	49.7	3/12

Overall Leq (30 min)	59	dB(A)	Average Baseline Level	dB(A)		Corrected Noise Level*		dB(A)
* If free field is	s ticked, 3dB is	s need to ad	d for correction		-			
Sampled By:	(Signature)		WAR	Checked By:	(Signat	ure) fai,		
	(Name)		NOI		(Name	Pai	So	
Date:		20	1/9/2019	Date:		29-9-20	G	

1. GENERAL

AUES

Date	29/9/2019
Project No.	1062
Station ID No.	NZa

Time Period (Day) / Evening / Night 52 Equipment Name . Equipment No. Ð F 01

2. WEATHER

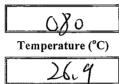
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	EROB'L	Final Calibration Reading, dB(A)	Elfio

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		\checkmark	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\mathcal{V}							
Road Traffic		\checkmark							
Aircraft		\checkmark	KIE						
Animals	~		J.S.						
Other Sources		\checkmark							

Sample	Observation	Sample	Observation
1	367	4	
2		5	
3		6	

RESULTS 5.

Start Time	11259	Stop Tim	ne	(2	229	
Readings (Fast R		ging Period :	5 minutes	4	30 minutes	\Box

Rea	adings (Fast I	Response)	N	Averaging Peri Ionitoring Locat		utes (rom façade (30 minutes Free field	*
Γ	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
	1	69.8	51.9	21.3	4	4200	tog	29,3
	2	401	50,2	3/10	5	B2	46,8	291
	3	42.4	445	29.2	6	427	45.9	29,2

Overall Leq (30 min)	62.(dB(A)	Average Baseline Level	dB(A)	-	Corrected Noise Level*		dB(A)	
* If free field is ticked, 3dB is need to add for correction								

Sampled By: (Signature) (Name) 29 Date:

Checked By:	(Signature)	Ini
	(Name)	Fai So
Date:	29	9-2-9

1. GENERAL

AUES

Date	2919/2019
Project No.	1062
Station ID No.	N39

Time Period	(Day) / Evening / Night
Equipment Name	M-52
Equipment No.	FQD/1

2. WEATHER

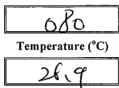
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil ✓ Trace (< 1 mm)</td> Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *

Wind Direction

[Direction from which wind originates] (degree)



P

Note:* Do not sample under these conditions

3. CALIBRATION		
Calibrator Model	B164231	Initial Calibration Reading, dB(A)
Calibrator Serial No	FQ082	Final Calibration Reading, dB(A)

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO		Description of Observation					
Construction Activities		1.1	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		1/							
Aircraft									
Animals									
Other Sources									

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5.	RESUL	тѕ						
Start T	ime		(6^{2})		Stop Time		17-01	
Readings (Fast Response)				Averaging Per Monitoring Loca		ntes [rom façade	30 minute Free field	
Sam	ple	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A	$\mathbf{L}_{10}, \mathbf{dB}(\mathbf{A})$	L ₉₀ , dB(A)
1	ļ	465	46.5	305	4	42.	L 465	305
2	;	401	44.8	29.7	5	413	451	29.0
3) '	40,5	45,0	2912	6	43,2	- 46,1	30,6
Overa (30 n	^	42,9 dB	(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date: C 20 (9

Checked By:	(Signature)
	(Name) Fai So
Date:	29-9-249

1. GENERAL

AUES

Date	2919(2019
Project No.	142
Station ID No.	ÅJ4

Time Period	(Day) / Evening / Night
Equipment Name	KL-52
Equipment No.	KROII

*

*

*

WEATHER 2.

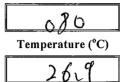
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil \checkmark Trace (< 1 mm) Low (1 - 10 mm) Medium (10 - 50 mm)

Wind	Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	21/400
Calibrator Serial No	ER082	Final Calibration Reading, dB(A)	940

High (> 50 mm)

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	D Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark	1.						
Road Traffic	V		15/						
Aircraft				//					
Animals		1500	(-1	1 2151					
Other Sources			人	2					

Sample	Observation	Sample	Observation	
1		4	XET P	
2		5	<u> </u>	
3	里	6		

_5.	RESUL	19		
Start	Time	9-17	Stop Time	9-47
		······································		

R	eadings (Fast I	Response)		Averaging Peri Monitoring Loca		irom façade	30 minutes Free field	×
ſ	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
	1	431	37.7	31,8	4	649	536	33.1
÷	2	34.4	36.6	31.3	5	539	426	32,4
ſ	3	Stil	57.9	33.1	6	45.2	(Hi)	31.1

Overall Leq (30 min)	57.8 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	, dB(A)
* If free field is	ticked, 3dB is need to add	l for correction			

Sampled By: (Signature) (Name) 2019 Date:

Checked By:	(Signature)	Fai		
	(Name)	Fai	So	
Date:	29-	9-2-	9	

~~

1. GENERAL

AUES

. Obribitit	
Date	29/9/2019
Project No.	1062
Station ID No.	N.V.

Time Period	Day / Evening / Night
Equipment Name	NL-52
Equipment No.	FROIT

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

 Rainfall (tick)

 Nil
 ✓

 Trace (< 1 mm)</td>
 ✓

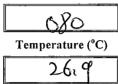
 Low (1 - 10 mm)
 *

 Medium (10 - 50 mm)
 *

 High (> 50 mm)
 *

Wind Direction

[Direction from which wind originates] (degree)



*Note:** *Do not sample under these conditions*

3. CALIBRATION

Calibrator Model	BK-4231	Initial Calibration Reading, dB(A)	240
Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)	940

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation								-	
Road Traffic		\checkmark							
Aircraft		\checkmark	L.I	_					
Animals			XF	{					
Other Sources		\vee							

Sample	Observation	Sample	Observation
1	35	4	
2		5	
3		6	

5. RESULTS Start Time 420 Stop Time 4230

Readings (Fast F	Response)	N	Averaging Peri Ionitoring Locat		utes	30 minutes Free field	□ ☑*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	71.4	48.2	340	4	52,6	42,2	3400
2	47,2	Q28	33,3	5	46.9	42.6	341
3	40,0	42.1	345	6	43.2	420	34,4

Overall Leq (30 min)	(3,7 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is need to add	l for correction			<u> </u>

Sampled By: (Signature) Checked By: (Name) Date: 019 Date:

(Signature) 50 (a) (Name) 29-9-20A

Version No.: 01

Effective Date: 01/06/2015

1. GENERAL

AUES

XI 02.12.4.4	
Date	291912019
Project No.	1062
Station ID No.	NY

Time Period	Day / Evening / Night
Equipment Name	NL-52
Equipment No.	FQOIL

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

 Rainfall (tick)

 Nil

 Trace (< 1 mm)</td>
 *

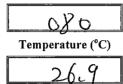
 Low (1 - 10 mm)
 *

 Medium (10 - 50 mm)
 *

 High (> 50 mm)
 *

Wind D	irection
--------	----------

[Direction from which wind originates] (degree)



*Note:** *Do not sample under these conditions*

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9410
Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)	ékio

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		~							
Aircraft		<	set.						
Animals	5		(15)						
Other Sources		$\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{\mathbf{$							

Sample	Observation	Sample	Observation
1	XEI	4	
2		5	
3		6	

5. RESULTS Start Time (ソン) Stop Time 5=01

Readings (Fast F	Response)	Ν	Averaging Peri Monitoring Loca		ites 🗍	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	6514	45-2	340	4	39.5	42.2	348
2	52.6	442	343	5	37.8	40.9	332
3	36.9	38.8	336	6	39.8	412	340

Overall Leq (30 min)	57.9 dB(A)		Average Baseline Level	dB(A)			ected Level*		dB(A)
* If free field is	ticked, 3dB is need to ac	d for correc	tion						
Sampled By:	(Signature)	WA	· 	Checked By:	(Signa	ture)	Se		
	(Name)	LA			(Name	*)	fa	i So	
Date:	20	l(q)	019	Date:		Z9-	9-70	9	

GENERAL

AUES

1.

Date	30/9/2019
Project No.	1062
Station ID No.	Ň

Time Period (Day) 1 Evening / Night Equipment Name ኇ 7 Equipment No. GQ D

WEATHER 2.

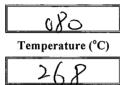
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)						
Nil						
Trace (< 1 mm)						
Low (1 - 10 mm)	*					
Medium (10 - 50 mm)	*					
High (> 50 mm)	*					

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

of Childhand			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9413
Calibrator Serial No	EQ012	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic							1		
Aircraft		Ň	14						
Animals	\checkmark		Yie	111		_			
Other Sources	V		, and the second s	L Z					

Sample	Observation	Sample	Observation
1	XE	4	
2		5	
3		6	

Ŀ	5.	RESUI	LTS		
	Start	Time		10-1	5

Stop Time

5 minutes

1 meter from façade

30 minutes Free field

Monitoring Location: Sample L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) 4 1 1 SUVY Wi Δ 5 2) Û 3 6 n

Averaging Period :

Overall Leq. (30 min) 629 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
------------------------------------	------------------------------	-------	---------------------------	-------

* If free field is ticked, 3dB is need to add for correction

3

n

Sampled By: (Signature) (Name)

Readings (Fast Response)

Checked By:	(Signature)	Se	a,	
	(Name)	Fai	Su	
Date:	30-	9-2016		

10-4

レ

Date:

20

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	30/9/2019
Project No.	1062
Station ID No.	

Time PeriodDay/ Evening / NightEquipment NameAl-SLEquipment No.EQO()

2. WEATHER

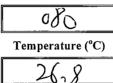
Wind Speed (tick)

Calm (< 1m/s)	~
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)					
Nil	V				
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940					
Calibrator Serial No	EQOYL	Final Calibration Reading, dB(A)	quio					

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Sourc	e	YES	NO			Desci	ription of	Observatio	n		
Construction	Activities			Piling	Mobilizati		Excava		edging	Concreting	Grabbing
Facilities Ope				Breaking	g Cutting	Blasting	Backfi	lling Der	nolition	Formwork	unloading
Road Traffic	eration								· ·		
Aircraft			6			· · · · · · ·					
Animals			~	<u> </u>	151		<u> </u>				
Other Sources	ç			′				•			
			<u> </u>								
Sample		(Observa	tion		Sample			Observ	ation	
1			XSI			4					
2						5					
3						6					
5. RESUI	LTS										
Start Time			132	10		Stop Time			<u>३२५</u>	ν ο	
Readings (Fast I	Response)				Averaging Pe onitoring Loc		ninutes er from f	açade 🗌		minutes ee field	
Sample	L _{eq} , dB	(A)	L ₁₀ , d	B(A)	L ₉₀ , dB(A)	Sample		_{eq} , dB(A)	L ₁₀ ,	dB(A)	L ₉₀ , dB(A)
1	75.	8	281	2	42,5	4	4	5.2	Ý	2,2	4.3
2	(\mathcal{Y})	5	$-\psi_l$	li Y	4014	5		46.3	4	8,3	40.5
3	Ý	1,6	<u> </u>	2.5	<u> 4,2</u>	6		453	14	6.2	445
Overall Leq (30 min)	68	dB			Average Baseline Level		dB(A)		Correc Noise Le		dB(A)
* If free field is	ticked, 3dE	3 is need	to add	for correct	ion						
Sampled By:	(Signature	e)		M	Ц	Chec	ked By:	(Signatu	re) 0	fai	
	(Name)			WA	1			(Name)	Fa	ni So	
Date:			30	191	2019	Date		30	- 9-	- Z-19	

1. GENERAL

AUES

Date	30/9/2019
Project No.	1062
Station ID No.	NI

Time PeriodDay/ Evening/ NightEquipment NameNL-52Equipment No.EQ011

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

 Rainfall (tick)

 Nil

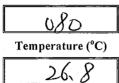
 Trace (< 1 mm)</td>

 Low (1 - 10 mm)
 *

 Medium (10 - 50 mm)
 *

 High (> 50 mm)
 *

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION			
Calibrator Model	BK42>1	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FQ082	Final Calibration Reading, dB(A)	940

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO		Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing	
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading	
Facilities Operation			•							
Road Traffic										
Aircraft				٠						
Animals			JE	J it						
Other Sources	U U			人名						

Sample	Observation	Sample	Observation
1	NB1	4	
2		5	
3		6	

5. RESULTS				
Start Time	16-16	Stop Time	16-46	

Readings (Fas	t Response)	. N	Averaging Peri Ionitoring Loca		rom façade	30 minutes Free field	*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	213	46.8	3811	4	422	487	393
2	42,5	4619	381	5	465	47.4	39,5
3	46.2	4818	3912	6	45.5	47.1	3812

Overall Leq (30 min)	(j } _6 dB(A)		Average Baseline Level	dB(A)		Corrected Noise Level*	dB(A)	
* If free field is	ticked, 3dB is need to ad	d for correc	tion		-			
Sampled By:	(Signature)	MH	,	Checked By:	(Signa	ture) In		
	(Name)	WA			(Name) Fai	So	

Date:

Date:

30191201

30 - 9-2-14

GENERAL 1.

AUES

XV ODI DIGID	
Date	30/9/2019
Project No.	1062
Station ID No.	N29

Time Period	(Day) / Evening / Night
Equipment Name	M-52
Equipment No.	EROII

2. WEATHER

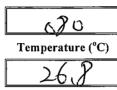
Wind Speed (tick)

Calm (< 1m/s)	\checkmark
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION	- -		
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	240
Calibrator Serial No	FROJL	Final Calibration Reading, dB(A)	240

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

Source	YES	NO		Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing	
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading	
Facilities Operation										
Road Traffic		11								
Aircraft		$\overline{\checkmark}$,							
Animals	ø	V		.1						
Other Sources	$\overline{\vee}$		/	R						

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

<u>5.</u> I	RESULTS			 ····	
Start Ti	me	9=39	Stop Time	10=09	

Readings (Fast Response)		Γ	Averaging Period :5 miMonitoring Location:1 meter		ites	30 minutes Free field	×
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	39,8	42.1	36,2	4	44h	45.8	36.3
2	42.3	43.7	320	5	3914	th 9	35.4
3	405	¥2,5	36,5	6	(42.L	44.2	37.2

Overall Leq (30 min)	Ψ(() dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	 dB(A)
* If free field is	ticked, 3dB is need to add for corre	ection			

Sampled By: (Signature) (Name) Date: 519

Checked By:	(Signature) \mathcal{F}_{i}				
	(Name) Fai Su				
Date:	30-9-2019				

1. GENERAL

AUES

Date	30/9/20/9
Project No.	(162
Station ID No.	N2g

Day Evening / Night Time Period 1 Equipment Name 52 Equipment No. 7

WEATHER 2.

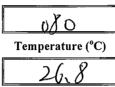
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)					
Nil	V				
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3 CALIBRATION

J. CALIDIATION			
Calibrator Model	364231	Initial Calibration Reading, dB(A)	9/10
Calibrator Serial No	(6072	Final Calibration Reading, dB(A)	elles

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO		Description of Observation					
			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							_
Road Traffic		\overline{V}							
Aircraft		\checkmark							
Animals		5	1-4	2					
Other Sources	5			2					

Sample	Observation	Sample	Observation
• 1		4	
2		5	
3		6	

RESULTS .

5. RESULTS				
Start Time	13=46	Stop Time	(42)	6
	······································			<u> </u>
Readings (Fast Response)	Averaging P	Period · 5 minutes	30 minute	

Readings (Fast H	Response)		Averaging Peri Ionitoring Locat		rom façade	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	41.5	42,1	36.3	4	423	449	37,5
2	42.6	42.5	3610	5	42-0	43.5	26.1
3 .	505	45.6	36,3	6	42,2	43.1	36.1

Overall Leq (30 min)	(45.) dB(A)		Average Baseline Level	dB(A)		Corrected Noise Level*		dB(A)
* If free field is	ticked, 3dB is need to ad	d for correction				_		
Sampled By:	(Signature)	WAI		Checked By:	(Signa	ture) $\int a_{1}^{\cdot}$		
	(Name)	unt			(Name	e) Fai	So	
Date:)0/	9/201	9	Date:		30 - 9-	Z=19	

1. GENERAL

AUES

Date	30/9/2019
Project No.	1062
Station ID No.	NIG

Time Period	bay Evening / Night
Equipment Name	NI-52
Equipment No.	ECOLI

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

 Rainfall (tick)

 Nil
 ✓

 Trace (< 1 mm)</td>
 *

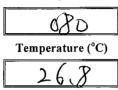
 Low (1 - 10 mm)
 *

 Medium (10 - 50 mm)
 *

 High (> 50 mm)
 *

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION			
Calibrator Model	BK4251	Initial Calibration Reading, dB(A)	e4co
Calibrator Serial No	FROBL	Final Calibration Reading, dB(A)	9410

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

YES	NO	•		Descri	ption of Obse	rvation		
		Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
	5					_		
	\sim		to					
~			R					
	YES		Piling Breaking	Piling Mobilization Breaking Cutting	Piling Mobilization Drilling Breaking Cutting Blasting	Piling Mobilization Drilling Excavation Breaking Cutting Blasting Backfilling	Piling Mobilization Drilling Excavation Dredging Breaking Cutting Blasting Backfilling Demolition	Piling Mobilization Drilling Excavation Dredging Concreting Breaking Cutting Blasting Backfilling Demolition Formwork

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RI	ESULTS						
Start Tim	e	15240		Stop Time		15=10	
Readings (H	ast Response)	. <u>.</u>	Averaging Per Monitoring Loca		ites [] rom façade [30 minutes Free field	
Sampl	e L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A) L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	49.2	48.7	36.3	4	445	46.2	35.6
2	48.2	47.7	35.0	5	46.2	4710	36,3
3	42,7	47,2	356	6	48.0	5 4816	36.7
					······································		, ,
Overall J (30 min	$(\mathcal{L}) \subset d$	B(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)

Sampled By: (Signature) (Name) 30/9/2019 Date:

Checked By:	(Signature)	Sai,	
	(Name)	Fai So	
Date:	30 -	9- ZoM	

1. GENERAL

AUES

Date	30/9/2019
Project No.	1062
Station ID No.	N3a

Time Period(Day) / Evening / NightEquipment Name(A - 52)Equipment No.(A - 52)

2. WEATHER

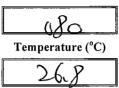
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)					
Nil	~				
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	ERO82	Final Calibration Reading, dB(A)	alto

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		\checkmark							
Aircraft		$\langle \rangle$	6	1					
Animals	V	Ŭ	· _ / x	5					
Other Sources									

Sample	Observation	Sample	Observation
1	X ta	4	
2	· · · · · · · · · · · · · · · · · · ·	5	
3		6	

5. RESUI	.TS		
Start Time	$l_{0} = 59$	Stop Time	(1=29

Readings (Fa	st Response)		Averaging Per Monitoring Loca		ites v rom façade	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	68.3	625	39.0	4	495	5/13	80,5
2	51.5	53,3	3810	5	54.2	SSS	3812
3	47,4	5/16	39.1	6	46.2	52,3	38.7

Overall Leq (30 min)	() (dB(A)		Average Baseline Level	dB(A)			rected e Level*	•	dB(A)
* If free field is	ticked, 3dB is need to ad	d for correc	ction						
Sampled By:	(Signature)	WAI		Checked By:	(Signa	ture)	Sai		

Date:

(Name)

Checked By:	(Signature)	Jai	
	(Name)	Fai So	
Date:	30	-9-2-14	

12019

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	30/9/2019
Project No.	1862
Station ID No.	N3a

Time PeriodDay/ Evening / NightEquipment Name///-52Equipment No.EQUI

2. WEATHER

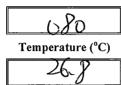
Wind Speed (tick)

Calm (< 1m/s)	\checkmark
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (fic)	K)
Nil	レ
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

J. CALIDIATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9410
Calibrator Serial No	ED 082	Final Calibration Reading, dB(A)	9410

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

11:3

Source	YES	NO			Descrij	otion of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic									
Aircraft		$\overline{}$	£	<i>a</i> _					
Animals	\checkmark			8					
Other Sources		V		-					

Sample	Observation	Sample	Observation
1	XA	4	
2	5	5	
3		6	

5. RESULTS

Start Time	

Readings (Fast Response)

Stop Time

e () 5 minutes L

1 meter from façade

30 minutes Free field

201

field 🔟

Sample L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample Leq, dB(A) L₁₀, dB(A) L₉₀, dB(A) 4 1 0 6 2 5 5, 6 3

Averaging Period :

Monitoring Location:

(30 min) (30	Overall Leq (30 min)656 dB(A)Average Baseline LeveldB(A)	Corrected Noise Level* dB(A)
--	---	---------------------------------

Sampled By: (Signature) (Name) Date: 2 9 0

(Signature) < Checked By: Ľ Śd 91 (Name) 30 - 9- Z=p Date:



1. GENERAL

Date	30/9/2019
Project No.	(062
Station ID No.	NBA

Time Period	Day / Evening / Night
Equipment Name	N-52
Equipment No.	FQ.011

2. WEATHER

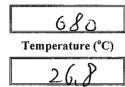
Wind Speed (tick)

Calm (< 1m/s)	<i>✓</i>
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)						
Nil						
Trace (< 1 mm)						
Low (1 - 10 mm)	*					
Medium (10 - 50 mm)	*					
High (> 50 mm)	*					

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9400
Calibrator Serial No	66082	Final Calibration Reading, dB(A)	elli0

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic		\checkmark							
Aircraft		~	RA						
Animals			1/2	.)					
Other Sources		$\overline{\mathbf{V}}$						-	

Sample	Observation	Sample	Observation
1	8151	4	
2		5	
3		6	

5. RESULTS

Start Time		16-57		Stop Time	(7-27	
Readings (Fast I	Response)	с с , . М	Averaging Per Ionitoring Loca		tes 🛛 🕹	30 minutes Free field	*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	736	596	340	4	434	47.9	33,5
2	452	48.2	333	5	466	49.9	345
3	401	46.5	3210	. 6	45,2	- 4815	33000
Overall Leq (30 min)	628 08	(A)	Average Baseline Level	dB(/	A)	Corrected Noise Level*	dB(A)
* If free field is Sampled By:	ticked, 3dB is nee (Signature)	d to add for correct	etion	Checked	· <u>· ·</u>		c
Date:	(Name)		19	Date:	(Name)	Fai J 30-9-2010	

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

II OBIUDIUIE	
Date	30/9/22/9
Project No.	1062
Station ID No.	N/4

Time PeriodDay/ Evening/ NightEquipment Name $\mathcal{M} - \mathcal{S} \mathcal{Q}$ Equipment No. $\mathcal{G} \mathcal{Q} \mathcal{O} \mathcal{I} \mathcal{I}$

2. WEATHER

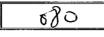
Wind Speed (tick)

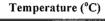
Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)						
Nil						
Trace (< 1 mm)						
Low (1 - 10 mm)	*					
Medium (10 - 50 mm)	*					
High (> 50 mm)	*					

Wind Direction

[Direction from which wind originates] (degree)







Note: * Do not sample under these conditions

3. CALIBRATION

CI CILLIDICITION			
Calibrator Model	BKt231	Initial Calibration Reading, dB(A)	9400
Calibrator Serial No	6ROP2	Final Calibration Reading, dB(A)	e fuo

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

9-09

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		1	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		1							
Road Traffic		·							
Aircraft		V							
Animals		\mathbf{V}							
Other Sources		~							

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS

Start Time	
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Readings (Fast F	Response)	יז	Averaging Peri Monitoring Locat		utes 🚺	30 minutes Free field	□ ∕*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	45,2	43,0	342	4	42.1	442	33.6
2	38,5	42X	33.6	5	38,5	420	33.5
3	421	¥2,3	343	6	413	42,3	345

Stop Time

Overall Leq (30 min)	(() dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)	
* TCC C 11'						_

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	WAL
	(Name)	INAL
Date:		3019(2019

Checked By:	(Signature)
	(Name) Foir Se
Date:	30 - 9-2019

9-22 9

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	30/9/2019
Project No.	1062
Station ID No.	N4
Station ID No.	<u> </u>

(Day) Evening / Night Time Period 1 Equipment Name 3 ٦ î Equipment No.

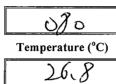
2. WEATHER

Wind Speed (tick)					
Calm (< 1m/s)	V				
Low (1–5 m/s)					
Medium (5–10m/s)	*				

Rainfall (tick)					
Nil					
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

High (> 10 m/s)

D. CHEIDIGITION			
Calibrator Model	BK-4231	Initial Calibration Reading, dB(A)	946
Calibrator Serial No	66082	Final Calibration Reading, dB(A)	ayo

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

(42)8

*

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		\checkmark							
Aircraft			6 t	-					
Animals	\checkmark		yr.	2]					
Other Sources									

Sample	Observation	Sample	Observation
1	XA	4	
2		5	
3		6	

RESULTS 5.

Start Time	

Readings (Fast]	Response)	N	Averaging Peri Aonitoring Loca		iutes 🛛 🗹 from façade 🗌	30 minutes Free field	□ ☑*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	693	442	36.10	4	381	42.2	352
2	H3	42.4	35,6	5	39.2	43.4	35.1
3	\$38.2	tho	340	6	4.4	43.8	36.2

Stop Time

Overall Leq (30 min)	6(15 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
+ x00 C 111					

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 30 Date:

Checked By: (Signature) (Name) -9-2-19 30

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Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

GENERAL

0/9/2019
1062
NYY

Time Period	(Day) / Evening / Night
Equipment Name	M-52
Equipment No.	FROIL

2. WEATHER

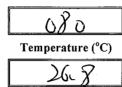
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)						
Nil						
Trace (< 1 mm)						
Low (1 - 10 mm)	*					
Medium (10 - 50 mm)	*					
High (> 50 mm)	*					

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

CALIBRATION 3.

UT UTILITION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	EROR2	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation						
Construction Activities		\sim	Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting Formwork	Grabbing unloading
Facilities Operation		V	Dicaking	Cutting	Diasting	Dacktining	Demoniton	I Olinwork	
Road Traffic									
Aircraft		V	e.1						
Animals	V		$\gamma \gamma$						
Other Sources									

Sample	Observation	Sample	Observation
1	767	4	
2		5	
3		6	

RESULTS 5.

Start Time		14259		Stop Time		3=29	
Readings (Fast I	Response)	ŗ	Averaging Per Monitoring Loca		ıtes 🚺	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	66.2	46.3	36.2	4	4412	455	35.8
2	425	441	341	5	4200	43.5	33.8
3	40.8	43.5	335	6	43,3	44,2	348

Overall Leq (30 min)	5715 dB(A)	Average Baseline Level			Corrected Noise Level*	;	dB(A)		
* If free field is	* If free field is ticked, 3dB is need to add for correction								

Sampled By: (Signature) (Name) 301 Date:

(Signature) Checked By: 191 (Name) Date: 30 9-24

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Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

1. GENERAL

Date	1 (10/2019
Project No.	1062
Station ID No.	N

Time Period Day) / Evening / Night Equipment Name 1-52 Ŕ FOOL Equipment No.

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil \sim Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

Wind Direction
[Direction from which

wind originates]

(degree)

080 Temperature (°C)

Note: * Do not sample under these conditions

CALIBRATION 3.

of of Diddidition			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	94,0000
Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)	Etto

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

10-18

ר

Source	YES	NO		Description of Observation			·		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		5							
Road Traffic									
Aircraft		1	1.1.						
Animals	\checkmark		1/2)	1.					
Other Sources	$\overline{\mathcal{V}}$			12					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

RESULTS 5.

Start Time

Readings (Fast F	Response)	:	Averaging Peri Monitoring Loca		utes from façade	30 minutes Free field	*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
- 1	69.8	46.3	37.2	4	45.5	47.5	40.5
2	50,1	47,2	36.6	5	46.0	48,6	Koin
3	56,4	48,6	41.6	6	46.2	47.8	41.2

Stop Time

Overall Leq (30 min)	62,3 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)	
1			······································			4

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	WAI
	(Name)	WAI
Date:	<u></u>	1 (10/2019

Checked By:	(Signature) Say
	(Name) Fai So
Date:	H 0 - Zull

1(=0)

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	1/10/2019
Project No.	1062
Station ID No.	L NT

Time PeriodDay/ Evening / NightEquipment Name \mathcal{A}_{-52} Equipment No. \mathcal{FQ}_{01}

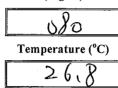
2. WEATHER

Wind Speed (tick) Calm (< 1m/s)</th> ✓ Low (1-5 m/s) ✓ Medium (5-10m/s) * High (> 10 m/s) *

Rainfall (ticl	()
Nil	V
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind	Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

0			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FROPL	Final Calibration Reading, dB(A)	alko

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

to an											
Sour	ce	YES	NO			Desc	ription of	Observatio	n		
Construction	Activities			Piling	Mobilizati		Excava			creting	Grabbing
Facilities Op	eration			Breaking	Cutting	Blasting	Backfi	lling Dem	olition For	mwork	unloading
Road Traffic	or anon										
Aircraft					.k						
Animals		~	_	1	5	1-					
Other Source	es	V				S.					
Sample		0	Observa	tion		Sample		 	Observation		
1			1851	·		4					
2						5					
3					-	6					
5. RESU	LTS					<u></u>					
Start Time			()	232		Stop Time		13=02			
· · · · · · · · · · · · · · · · · · ·			<u> </u>			L					
Readings (Fast]	Response)			A	veraging Pe	riod: 5 n	ninutes		30 minut	es	
				Mor	nitoring Loc	ation: 1 met	er from fa	açade 🗌	Free fiel	d	*
Sample	L _{eq} , dB	(A)	L ₁₀ , d	B(A)	L ₉₀ , dB(A)	Sample	L	q, dB(A)	L ₁₀ , dB(A))	L ₉₀ , dB(A)
1	205	2	YZ.	1	3815	4	4	46.4	45.3		38,5
2	- 4	.}	Ű,	4	377	5	(4910	47.2		39.2
3	46.	8	ÝÝ	12	37.7	6		\mathcal{H}_{1}	441		37.2
					·····						
Overall Leq		,			Average				Corrected		
(30 min)	64.	dB(A)		Baseline		dB(A)	1 1	oise Level*		dB(A)
		·			Level						
* If free field is	s ticked, 3dB	is need	to add f	for correctio	n						
Sampled By:	(Signature)		× , n 1		Chec	ked By:	(Signature			
in proce 29.		,		WAT		Chee		(Signature	<u>941</u>		
	(Name)			NAL				(Name)	tgi		
Date:		l	(1)	1221	9	Date		1	- 10 - 290	1	
			$\cdot \cdot \mathbf{U}$	1201	+				10-019	/	

1. GENERAL

AUES

Date	1/10/2019
Project No.	1012
Station ID No.	N

Time Period	Day / Evening / Night
Equipment Name	NL-52
Equipment No.	EQDII

2. WEATHER

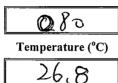
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)					
Nil	~				
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATIONCalibrator Model $B \not{(42)}$ Initial Calibration Reading, dB(A) $Q \not{(0)}$ Calibrator Serial No $E Q \cup S \not{()}$ Final Calibration Reading, dB(A) $Q \not{()}$

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

YES	NO	Description of Observation						
		Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
			· .					
	~	Lila						
		00)	14					
			NR					
	YES		Piling Breaking	Piling Mobilization Breaking Cutting	Piling Mobilization Drilling Breaking Cutting Blasting	Piling Mobilization Drilling Excavation Breaking Cutting Blasting Backfilling	Piling Mobilization Drilling Excavation Dredging Breaking Cutting Blasting Backfilling Demolition	Piling Mobilization Drilling Excavation Dredging Concreting Breaking Cutting Blasting Backfilling Demolition Formwork

Sample	Observation	Sample	Observation
1	25	4	
2		5	
3		6	

5. RESULTS

Start Time		13237		Stop Time		(6 - 07)	
Readings (Fast F	Response)	, , , , , , , , , , , , , , , , , , ,	Averaging Per Ionitoring Loca		ites 🚺	30 minutes Free field	 ∕_*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	60.6	45.1	372	4	Y,X	43.5	36.1
2	40.3	437	36.1	5	438	436	36.2
3	424	44,2	37,0	6	44.0	43	36.5
							·····
Overall Leq			Average			Corrected	· .

(30 min)	S) L dB(A)	Baseline Level	dB(A)	Noise Level*	
* If free field is	ticked, 3dB is need to ad	d for correction			_
Sampled By:	(Signature)	WAT	Checked By:	(Signature) $\mathcal{F}_{\mathcal{I}_{i}}$	
	(Name)	WAL		(Name) Fai So	
Date:	1	(10)(20)(9)	Date:	L 10-704	_

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	1/10/2019
Project No.	1062
Station ID No.	Ma

(Day) / Evening / Night Time Period Equipment Name 52 Equipment No. FROL

2. WEATHER

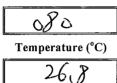
Wind Speed (tick)

Calm (< 1m/s)	\checkmark
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)		
Nil		
Trace (< 1 mm)		
Low (1 - 10 mm)	*	
Medium (10 - 50 mm)	*	
High (> 50 mm)	*	

Wind	Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

UI UIIDIGIATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	2410
Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)	ay o

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

10=02

bilization Drilling Cutting Blasting		~ ~ ~	<u> </u>	obing ading
Cutting Blasting	Backfilling	Demolition F	ormwork unlos	ading
_		······	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS

Readings (Fast Response)

|--|

Stop Time

5 minutes

30 minutes

10222

 \mathbb{Z}^* Free field

Monitoring Location: 1 meter from façade L_{eq}, dB(A) L₉₀, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) L₁₀, dB(A) Sample Sample 4 1 16 2 5 3 6

Averaging Period :

Overall Leq (30 min)	45.5 dB(A)	Average Baseline Level	dB(A)		Corrected Noise Level*	-	dB(A)
-------------------------	------------	------------------------------	-------	--	---------------------------	---	-------

Sampled By: (Signature) (Name) Date:

Checked By: (Signature) (Name) Date: 0-2019

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	11(0(2019))
Project No.	1062
Station ID No.	N2a

Time PeriodDay/ Evening/ NightEquipment NameNL-52Equipment No.FQ011

2. WEATHER

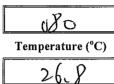
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)		
Nil		
Trace (< 1 mm)		
Low (1 - 10 mm)	*	
Medium (10 - 50 mm)	*	
High (> 50 mm)	*	

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

5. CHLIDIGHTION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9410
Calibrator Serial No	EQUPL	Final Calibration Reading, dB(A)	9/610

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic		~							
Aircraft		>							
Animals				1					
Other Sources	5								

Sample	Observation	Sample	Observation
1		4	
2		5	
- 3		6	

5. RESULTS

Start Time		13:57		Stop Time		(3=)7	
Readings (Fast I	Response)	ŗ	Averaging Perio Monitoring Locat		utes 🛛 🗹 from façade 🗌	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	457	$(18.)_{-}$	361	4	425	46	541

Overall Leq (30 min)	45.9 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	1	dB(A)

Sampled By: (Signature) (Name) Date: 9

Checked By:	(Signature) $\mathcal{F}_{\mathcal{T}_i}$
	(Name) (a, Su
Date:	- 0 -Z0 1

1.

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

GENERAL

Date	1/(1)/2019
Project No.	1062
Station ID No.	KD_9

Time Period	Day / Evening / Night
Equipment Name	NL-52
Equipment No.	EQOIL

2. WEATHER

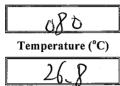
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)							
Nil							
Trace (< 1 mm)							
Low (1 - 10 mm)	*						
Medium (10 - 50 mm)	*						
High (> 50 mm)	*						

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

5. CHEIDRATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	246
Calibrator Serial No	FOOIL	Final Calibration Reading, dB(A)	ello

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

15-02

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic		\checkmark							
Aircraft		V							
Animals		\mathbf{V}	4						
Other Sources			人為	-					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5.	RESULTS

Start Time

Readings (Fast Response)

Averaging Period : Monitoring Location:

Stop Time

5 minutes

1 meter from façade

.

30 minutes

5212

Free field

Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	46.5	5016	355	4	48.1	50.6	365
2	52.2	52.2	36.5	5	4812	SIJ	3610
3	(4).5	49,6	35,6	6	50.0	52,2	3610

Overall Leq (30 min) $(\mathcal{J})_{i} \mathcal{J}_{i} \mathcal{J}_{i} \mathcal{J}_{i} dB(A)$ Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A	J)
--	-------	---------------------------	------	----

* If free field is ticked, 3dB is need to add for correction

(Signature) Sampled By: (Name) Date: 10/2019

Checked By:	(Signature)	Jaj	
	(Name)	Fai Su	
Date:	[~	10-2019	

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1 GENERAL

II QUINDIGID	
Date	1/10/2019
Project No.	1062
Station ID No.	NZa

Time Period Evening / Night Day 1 Equipment Name ~ 2 FQO Equipment No.

2. WEATHER

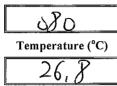
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

Wind	Direction
vy mu	Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

CALIBRATION 3.

Calibrator Model	BK-4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FR 082	Final Calibration Reading, dB(A)	ekio

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		V							
Aircraft		5							
Animals	レ		X121						
Other Sources		\checkmark				<u> </u>			

Sample	Observation	Sample	Observation
1	XEI	4	
2		5	
3		6	

RESULTS 5.

Readings (Fast Response)

Start Time	

Averaging Period :

Monitoring Location:

Loo, dB(A)

9

-

11

L10. dB(A)

Stop Time

Sample

5 minutes

30 minutes

1249

Y

Free field

1 meter from façade Leas dB(A) L_{10} , dB(A) Loo, dB(A)

Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	65.5	49,5	306	4	46.3	48,9	31.9
2	426	48.6	30/4	5	41.3	50,9	348
3	4712	£9,5	31.5	6	45,1	51,2	33.9

Overall Leq (30 min)	57. 9 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	 dB(A)
* 70.0 . 7.111	1 . 1 . 2 . 10 ! 1	a			

* If free field is ticked, 3dB is need to add for correction

Log. dB(A)

Sampled By: (Signature) (Name) Date: 10/2019

Checked By:	(Signature)	Jar	
	(Name)	Fai So	
Date:	-1	-2-p	

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	1/10/2019
Project No.	1062
Station ID No.	N3a

Time PeriodOay / Evening / NightEquipment Name $\mathcal{N}_{L}-S2$ Equipment No.EQ011

2. WEATHER

Wind Speed (tick)

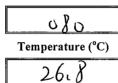
Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

_ __ _ _ _ _ _

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

U. CHEIDICHTON			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FQ082	Final Calibration Reading, dB(A)	que

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

11=50

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		\checkmark	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		~							
Aircraft		V	×.	/					
Animals			/ð/	ち)					
Other Sources		V		<u> </u>					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	· · · · · · · · · · · · · · · · · · ·

5. RESULTS

Readings (Fast Response)

Start Time

Stop Time

5 minutes

12-20

V

30 minutes Free field

1 meter from façade **Monitoring Location:** L₁₀, dB(A) L_{eq}, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample L₉₀, dB(A) Sample 7 2 1 4 9 2 5 \cap 6 3 ر٥ ろ 29

Averaging Period :

Overall Leq (4) (4) (4) (4) (4) (30 min)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
--	------------------------------	-------	---------------------------	-------

Sampled By: (Signature) (Name) 10/2019 Date:

Checked By:	(Signature)	dai	
	(Name)	Fai So	
Date:		- 10 - 2019	

(SF-04A)

AUES

1

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

1/1012019
1062
NBa

Time PeriodDay/ Evening / NightEquipment Name//-52Equipment No.FQD//

2. WEATHER

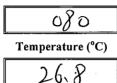
Wind Speed (tick)				
Calm (< 1m/s)				
Low (1–5 m/s)				
Medium (5–10m/s)	*			
High (> 10 m/s)	*			

Rainfall (tick)				
Nil	~			
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

D - - - C - U - (42 - L-)

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

5. CHEIDIGHTION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FROXL	Final Calibration Reading, dB(A)	940

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities		1	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		<u> </u>	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		V			-10				
Aircraft		V	1.1						
Animals			15						
Other Sources		V		•					

Sample	Observation	Sample	Observation
1	75	4	
2		5	
3		6	

5. RESULTS

Start Time

V

1621

Stop Time

5 minutes 30 minutes **Readings (Fast Response) Averaging Period : Monitoring Location:** 1 meter from façade 🔡 Free field L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample Sample 5<u>0'0</u> 1 4 ω 5 2 O 10 6 a 3

Overain Leq (30 min)(3,5 dB(A)Baseline LeveldB(A)Corrected Noise Level*dB(A)

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	WAI
	(Name)	WAY
Date:		1/10/2019

Checked By:	(Signature) Sai			
	(Name)	Fgi So		
Date:).	- 10 - 2019	·	

16=48

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

GENERAL

1. GENERAL	
Date	1 (10/2019
Project No.	10/2
Station ID No.	NY

(Day) Evening / Night Time Period 1 - 52 Equipment Name Equipment No. 4 20

2. WEATHER

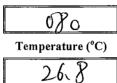
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

		A A A A A A A A A A A A A A A A A A A	
Calibrator Model	BK42)1	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	60082	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

9120

Source	YES	NO			Descri	ption of Obse	rvation	· · · · · · · · · ·	
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		\checkmark	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		\checkmark							
Aircraft		V							
Animals	5		213						
Other Sources		V							

Sample	Observation	Sample	Observation
- 1	XEI	4	
2	919	5	
3		6	

RESULTS 5.

Readings (Fast Response)

Start	Time		,
-------	------	--	---

Averaging Period :

Stop Time

5 minutes

30 minutes

n

9150

L

Free field

		N	Ionitoring Loca	tion: 1 meter f	from façade 🗌	Free field	⊿*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	20.2	58.2	35,2	4	405	38.6	33,2
2	451	37.8	32.5	5	42,5	39.2	341
3	36.2	36.4	3/10	6	38,4	40,1	35,2

Overall Leq (30 min)	(12~ 4 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	i t gi	dB(A)		
* If free field is	t If free field is ticked 3dB is need to add for correction							

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature)	Sai	
	(Name)	Faiso	
Date:		1-2019	

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

GENERAL 1.

Date	1/10/2019
Project No.	1062
Station ID No.	N4

(Day) / Evening / Night Time Period Equipment Name KI-52 Equipment No. FRD/1

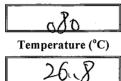
2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil \checkmark Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

on on on one			
Calibrator Model	BK-4251	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FROZZ	Final Calibration Reading, dB(A)	allio

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

13:49

f3,

١

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic									
Aircraft		\checkmark	4.6	·					
Animals	5		2/2]					
Other Sources									

Sample	Observation	Sample	Observation
1	XEI	. 4	
2		5	
3		6	

Averaging Period :

RESULTS 5.

|--|

Sample

1

2

3

Readings (Fast Response)

Stop Time

6

30 minutes Free field

<u>`</u>

1/2/9

ト

SO

Monitoring Location: 1 meter from façade L₉₀, dB(A) Leg, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample L_{eq}, dB(A) L₁₀, dB(A) Yio 4 .2 2 5 420 42 0.2 10

5 minutes

Overall Leq (30 min)	65.8 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	* *	dB(A)
* If free field is	ticked, 3dB is need to add	l for correction				

0.

Sampled By: (Signature) (Name) Date: 20

Checked By:	(Signature) $\int a'_{l}$
	(Name) FG; So
Date:	- 10 -2019

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	1/10/2019
Project No.	1062
Station ID No.	ŇÝ

Time Period (Day)/ Evening / Night Equipment Name 11-52 Equipment No. FROM

WEATHER 2.

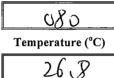
Wind Speed (tick)

Calm (< 1m/s)	\checkmark
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)			
Nil			
Trace (< 1 mm)			
Low (1 - 10 mm)	*		
Medium (10 - 50 mm)	*		
High (> 50 mm)	*		

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	B1K4231	Initial Calibration Reading, dB(A)	9413
Calibrator Serial No	ERO 82	Final Calibration Reading, dB(A)	allo

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

(4220

L₁₀, dB(A)

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		\checkmark	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\mathcal{S}							
Road Traffic		$\mathbf{\nabla}$							
Aircraft		5	14						
Animals			2/2						
Other Sources		$\overline{\mathbf{V}}$							

Sample	Observation	Sample	Observation
1	XE	4	
2		5	
3		6	

Averaging Period :

Monitoring Location:

L₉₀, dB(A)

5. RESULTS

Readings (Fast Response)

Sample

Stop Time

Sample

5 minutes

1 meter from façade

(4250 30

ГЧ

L_{eq}, dB(A)

minutes	L
ee field	Г

Free field

L₉₀, dB(A) L₁₀, dB(A)

1	66,7	52,8	33.1	4	40.7	328	33,7
2	42:0	37,9	328	5	42,3	38.9	345
3	\$35,2	36.7	32,8	6	381	37.5	32.1

Overall Leq (30 min)Squad ObjectAverage Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
---	-------	---------------------------	-------

* If free field is ticked, 3dB is need to add for correction

L_{eq}, dB(A)

Sampled By: (Signature) (Name) 1201 60

Checked By:	(Signature)	Sai,	
	(Name)	Fai So	
Date:		1-10-2019	

Date:

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

1. GENERAL

Date	2/10/2019
Project No.	1062
Station ID No.	NI

Time Period (Day) Evening / Night 1 Equipment Name 1-52 Equipment No. FRON

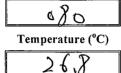
2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

x)
~
*
*
*

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	ERÓPL	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

YES	NO	Description of Observation				Description of Observat		
		Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
	V							
	\checkmark							
		61						
V		82	r-4					
V			LZ					
			Piling Breaking	Piling Mobilization Breaking Cutting	Piling Mobilization Drilling Breaking Cutting Blasting	Piling Mobilization Drilling Excavation Breaking Cutting Blasting Backfilling	Piling Mobilization Drilling Excavation Dredging Breaking Cutting Blasting Backfilling Demolition	Piling Mobilization Drilling Excavation Dredging Concreting Breaking Cutting Blasting Backfilling Demolition Formwork

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

Averaging Period :

5.	RESULTS

э.	RES	ULIS
Start	Time	

Readings (Fast Response)

(0=4)

Stop Time

5 minutes

30 minutes Free field

 $(=1)^{-1}$

		N	Aonitoring Locat	ion: 1 meter	from façade	Free field	*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	67.1	424	Gory	4	425	44.8	396
2	Q.7	45.5	40,7	5	43.8	45.7	40,1
3	435	45.9	639.2	6	43,2	45,1	400

Overall Leq (30 min) $\frac{1}{59}$, 4 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
--	------------------------------	-------	---------------------------	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	WAI
	(Name)	WAI
Date:		2/10/2019

Checked By:	(Signature)	Jai	
	(Name)	Fai So	
Date:	Z- [c	<u>v - 2-19</u>	

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

1. GENERAL

Date	2/10/2019
Project No.	1062
Station ID No.	NI

Time Period (Day) Evening / Night 1 Equipment Name 1-52 Λ Equipment No. 60

WEATHER 2.

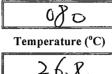
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (ticl	K)
Nil	V
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

CALIBRATION 3.

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	ER082	Final Calibration Reading, dB(A)	9460

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

13221

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic		レ							
Aircraft		$\mathbf{\lambda}$	14						
Animals	5		7/2	14					
Other Sources	\mathcal{S}			1 P					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5.	R	RESULT

Sample

1

5.	RESU	LTS
Sta	rt Time	

Stop Time

V 30 minutes **Readings (Fast Response) Averaging Period :** 5 minutes Free field **Monitoring Location:** 1 meter from façade L_{eq}, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample 4

2 5 N \sim 3 6

(30 min) (30 min) Level	Overall Leq (30 min)	48.9 dB(A)	Average Baseline Level	dB(A)		Corrected Noise Level*	, ,	dB(A)
-------------------------	-------------------------	------------	------------------------------	-------	--	---------------------------	-----	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 2 Date: 13/2019

Checked By:	(Signature) Sq
	(Name) Eq.; So
Date:	2-1-219

3:51

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	2/10/2019
Project No.	1062
Station ID No.	

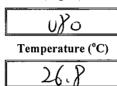
Time PeriodDay/ Evening / NightEquipment Name(1-52)Equipment No.EQO(1)

2. WEATHER

Wind Speed (tick) Calm (< 1m/s)</th> ✓ Low (1–5 m/s) ✓ Medium (5–10m/s) * High (> 10 m/s) *

Rainfall (tick)						
Nil						
Trace (< 1 mm)						
Low (1 - 10 mm)	*					
Medium (10 - 50 mm)	*					
High (> 50 mm)	*					

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	etho .
Calibrator Serial No	FR082	Final Calibration Reading, dB(A)	atto

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Sour	ce	YES	NO			Descri	iption of (Observat	tion		
Construction	Activities			Piling	Mobilizatio		Excavat		Dredging	Concreting Formwork	Grabbing
Facilities Op				Breaking	Cutting	Blasting	Backfill	ing L	emolition	romwork	unloading
Road Traffic											
Aircraft				11							
Animals				Ny Ny	[1					
Other Source	<i>2S</i>			V	<u> </u>	Ž.		• • • •			
		<u> </u>	<u> </u>								
Sample		(Observat	tion		Sample			Observ	ation	
1						4					
2						5					
3						6					
5. RESU	LTS										
Start Time			162	31		Stop Time		17-01			
						<u> </u>					
Readings (Fast)	Response)				eraging Per toring Loca		inutes r from fa			minutes ee field	
Commite		(1)			-	I		·····			
Sample	L _{eq} , dB	(A)	L_{10}, d	$\frac{\mathcal{B}(\mathbf{A})}{\mathbf{X}}$		Sample	L _{ec}	, dB(A)	L ₁₀ ,	dB(A)	L_{90} , $dB(A)$
1	213		<u>Yh</u>	<u>j</u>	415	4	4	35	4	59	36.9
2	49	2	H	55 3	3 °i¥	5	ļŶ	6.2	Ý	6.7	387
3	45.	0	Ý	$\overline{x} \overline{y}$	324	6	(15.6	Ý	-6.1	38,2
] [η		
Overall Leq	1 .	JP/			Average	,			Correc	ted	1 1 2743
(30 min)	63.6	dB(<u>(A)</u>		Baseline Level	C	IB(A)		Noise Le	evel*	dB(A)
	* If free field is ticked, 3dB is need to add for correction										
II nee neid i	s tioked, sur	15 11000			1					ſ	
Sampled By:	(Signature	:)		WAI		Check	ced By:	(Signat	ure) <	Jai;	
	(Name)			11/41				(Name)	Ē	ai So	
Date:) /.	-12-1	<u> </u>	Date:				10 -2010	
			1 I V	$\frac{1}{2}$	_				27	10 - 7010	1

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	2/10/2019
Project No.	la 62
Station ID No.	NZa

(Day) Time Period Evening / Night 1 52 Equipment Name Equipment No. TROI

2. WEATHER

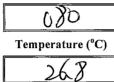
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)					
Nil	~				
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3 CALIBRATION

5. CHLIDIGHTION			
Calibrator Model	BR4231	Initial Calibration Reading, dB(A)	246
Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)	Q40

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

10269

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		V							
Aircraft			s la						
Animals			Xa	14					
Other Sources				人座					

Sample	Observation	Sample	Observation
1		4	
2 .		5	
3		6	

5. RESULTS

	Start Time		
--	------------	--	--

Readings (Fast Response)

Stop Time

5 minutes

1 meter from façade

30 minutes <u>/</u>* Free field

10239

V

L_{eq}, dB(A) L₁₀, dB(A) L10, dB(A) L₉₀, dB(A) L₉₀, dB(A) Leg, dB(A) Sample Sample 5 4 1 50,0 5 2 2012 501 3 6 501

Averaging Period :

Monitoring Location:

Overall Leq (30 min)	ξ ₂₋ γ dB(A)	Average Baseline Level	dB(A)		Corrected Noise Level*		dB(A)
-------------------------	-------------------------	------------------------------	-------	--	---------------------------	--	-------

Sampled By: (Signature) (Name) 2/10/2019 Date:

Checked By:	(Signature)	Sai	
	(Name)	Fai So	
Date:	2-	10 - 2019	

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	2/10/2019
Project No.	1062
Station ID No.	Ma

Time PeriodDay/ Evening / NightEquipment NameImage: Second S

2. WEATHER

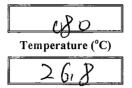
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil ✓ Trace (< 1 mm)</td> * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4251	Initial Calibration Reading, dB(A)	e tis
Calibrator Serial No	66082	Final Calibration Reading, dB(A)	etty,

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		5							
Road Traffic									
Aircraft									
Animals		\vee	1.4	£					
Other Sources				ž.					

Sample	Observation	Sample	Observation
1	₫.	4	4
2		5	~1
3		6	-1

5. RESULTS

Readings (Fast Response)

Start Time

5

Averaging Period :

Monitoring Location:

14200

Stop Time

5 minutes

1 meter from façade

30 minutes

 $(42)_{0}$

|

Free field

L_{eq}, dB(A) L_{eq}, dB(A) L₉₀, dB(A) Sample L10, dB(A) L₉₀, dB(A) Sample L₁₀, dB(A) 4 1 2 5 6 $(\Omega$ 3 6 2

Overall Leq (30 min) $\begin{pmatrix} 7 \\ 7 \end{pmatrix}$ dB(A)Average Baseline LeveldB(A)Corrected Noise Level*	dB(A)
--	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date: 11012019

Checked By:	(Signature)	
	(Name) Fai Sc	
Date:	2-10-249	_

1

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

I. ODICHICIH	
Date	2/10/2019
Project No.	1062
Station ID No.	NZa
L	102

Time PeriodDay/ Evening / NightEquipment Name $\mathcal{NL}-52$ Equipment No. $\mathcal{EOD1}$

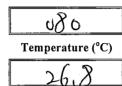
2. WEATHER

Wind Speed (tick)			
Calm (< 1m/s)	V		
Low (1–5 m/s)			
Medium (5–10m/s)	*		
High (> 10 m/s)	*		

Rainfall (tick)			
Nil			
Trace (< 1 mm)			
Low (1 - 10 mm)	*		
Medium (10 - 50 mm)	*		
High (> 50 mm)	*		

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

0. 0.0.00000000000000000000000000000000			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9412
Calibrator Serial No	56082	Final Calibration Reading, dB(A)	940

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

15=55

YES	NO	Description of Observation						
		Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
	5							
	レ							
	レ							
	V	-						
		15	2				· · · · · · · · · · · · · · · · · · ·	
	YES	YES NO	Piling	Piling Mobilization	Piling Mobilization Drilling	Piling Mobilization Drilling Excavation	Piling Mobilization Drilling Excavation Dredging	Piling Mobilization Drilling Excavation Dredging Concreting

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS

		T
Start	Time	

Readings (Fast R	(esponse)	М	Averaging Peri Monitoring Locat		utes	30 minutes Free field	□ ⊿*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	49.8	50.1	38.2	4	47.8	49.5	375
2	47.5	50.1	38.7	5	45,07	48,2	36.5
3	4819	50,2	38.2	6	45.9	F813	3610

Stop Time

Overall Leq (30 min) 47.8 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
------------------------------------	------------------------------	-------	---------------------------	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	WAL
	(Name)	WAI
Date:		2/10/2019

Checked By:	(Signature) fa'_i
	(Name) Fai So
Date:	2-10-204

16-225

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

1. GENERAL

Date	2/10/2019
Project No.	1062
Station ID No.	N/39

Time Period	(Day) / Evening / Night
Equipment Name	M-S2
Equipment No.	FQD11

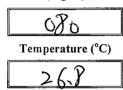
2. WEATHER

Wind Speed (tick)			
Calm (< 1m/s)			
Low (1–5 m/s)			
Medium (5–10m/s)	*		
High (> 10 m/s)	*		

Rainfall (tick)			
Nil	~		
Trace (< 1 mm)			
Low (1 - 10 mm)	*		
Medium (10 - 50 mm)	*		
High (> 50 mm)	*		

Wind Direction

Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

CALIBRATION 3.

Of Official Contraction			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9410
Calibrator Serial No	62082	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ				-			
Road Traffic		\checkmark							
Aircraft		\checkmark		1.					
Animals			γ_{i}	21					
Other Sources		\checkmark							

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

RESULTS 5.

Readings (Fast Response)

Start Time

2)0

Averaging Period :

Monitoring Location:

Stop Time

5 minutes

1 meter from façade

30 minutes

12200

Free field

Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	46.9	4),9	3400	4	4810	51.5	37.8
2	50.7	52.8	37.7	5	46.5	492	3612
3	45.4	49,4	351	6	447	48.2	357

Overall Leq (30 min) 47.5 dB(A)	Average Baseline dB(A) Level	Corrected Noise Level* dB(A)
--------------------------------------	------------------------------------	---------------------------------

Sampled By:	(Signature) WH			
	(Name)	WAI		
Date:		2-110/2019		

Checked By:	(Signature) Jui
	(Name) Eni Su
Date:	2-10-2-04

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	2/10/2019
Project No.	1062
Station ID No.	1/39

~ Day Time Period Evening / Night 1 Equipment Name 1-52 \wedge Equipment No. FROM

2. WEATHER

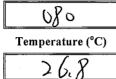
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Nil Trace (< 1 mm)	Rainfall (tick)				
· · · · · · · · · · · · · · · · · · ·	Nil	\checkmark			
	Trace (< 1 mm)				
Low (1 - 10 mm)	Low (1 - 10 mm)	*			
Medium (10 - 50 mm) *	Medium (10 - 50 mm)	*			
High (> 50 mm) *	High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

CALIBRATION 3

Calibrator Model	BK421	Initial Calibration Reading, dB(A)	2410
Calibrator Serial No	EQDAL	Final Calibration Reading, dB(A)	Etto

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

12-02

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		レ							
Aircraft			~1			-			
Animals	V			1					
Other Sources		レ							

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

RESULTS 5.

Readings (Fast Response)

Start Time

Stop Time

5 minutes

1 meter from façade

(2 -)2

V

30 minutes

Free field

L_{eq}, dB(A) L₁₀, dB(A) Sample L_{eq}, dB(A) L₉₀, dB(A) Sample L₁₀, dB(A) L₉₀, dB(A) 1 4 620 0 2 5 Ь ኯ 3 3 9, 6

Averaging Period :

Monitoring Location:

Overall Leq(30 min)46.5dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	44.4	dB(A)
------------------------------	------------------------------	-------	---------------------------	------	-------

Sampled By:	(Signature)	WAI		
	(Name)	CAAI		
Date:		2/10/2019		

Checked By:	(Signature)	Ja;	
	(Name)	Fui So	
Date:	2-	10-Z1B	

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

1. GENERAL

Date	2/10/2019
Project No.	1012
Station ID No.	NZa

Time Period (Day) / Evening / Night Equipment Name 1-52 Equipment No. FROI

2. WEATHER

Wind Speed (tick)

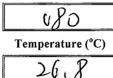
Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

. . . .

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

CALIBRATION 3.

	Decedental	·	Ol (
Calibrator Model	SK4231	Initial Calibration Reading, dB(A)	4410
Calibrator Serial No	FQ082	Final Calibration Reading, dB(A)	9400

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

17:12

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		5							
Road Traffic		\checkmark		_		· .			
Aircraft		\checkmark	K.IL						
Animals	/		J3						
Other Sources	-								

Sample	Observation	Sample	Observation
1	×5	4	
2		5	
3		6	

5. RESULTS

Readings (Fast Response)

Start Time

Stop Time

Averaging Period :

Monitoring Location:

5 minutes

1 meter from façade

30 minutes

242

J

Free field

L_{eq}, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample L_{90} , dB(A) Sample 1 4 0 0 2 5 D 6 3

(20 min) $(10 dB(A))$ B	verage Baseline dB(A) Level	Corrected Noise Level* dB(A)
---------------------------	-----------------------------------	---------------------------------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date: đ 2/12

Checked By:	(Signature) \mathcal{F}_{i}	
	(Name) Fg; Su	
Date:	2- 10 -2019	

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Project No.	1062
Station ID No.	M

Time PeriodPayEvening / NightEquipment Name1 - 52Equipment No. $\overline{CQO//}$

2. WEATHER

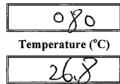
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil ✓ Trace (< 1 mm)</td> Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FLORZ	Final Calibration Reading, dB(A)	2410

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO		Description of Observation					
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		1							
Aircraft		1	1.0	•					
Animals	V		715	5					
Other Sources		V	~	J					

Sample	Observation	Sample	Observation
1	XGI	4	
2		5	
3		6	

Start Time 9-2.4 Stop Time 9-3.4 Readings (Fast Response) Averaging Period : 5 minutes 30 minutes 1 Monitoring Location: 1 meter from façade Free field 1/2*

Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	66.5	43.8	345	4	46.9	46.7	33.9
2	40.8	Ý.S	347	5	41.6	Ŷ28	33.(
3	43.0	46.3	361	6	BS	45.7	333

Overall Leq(30 min) $5 \\ \% \\ \% \\ \% \\ \% \\ \% \\ \% \\ B(A)$	Average Baseline dB(A) Level	Corrected Noise Level* dB(A)
---	------------------------------------	---------------------------------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date: 201 $\boldsymbol{\lambda}$

Checked By:	(Signature) Sai
	(Name) Feyi So
Date:	2-12019

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	2/10/2019
Project No.	1062
Station ID No.	NY

Time Period Day)/ Evening / Night Equipment Name Ń Equipment No. FN

2. WEATHER

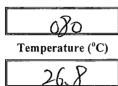
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil	<u> </u>			
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Di	rection
---------	---------

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

CALIBRATION

3. CALIBRATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9 tw
Calibrator Serial No	HOB2	Final Calibration Reading, dB(A)	2400

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

14:42

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic		V							
Aircraft		5	21						
Animals	V		15						
Other Sources		レ							

Sample	Observation	Sample	Observation
1	Xn	4	
2		5	
3	石	6	

RESULTS 5. Start Time

Readings (Fast Response)

Stop Time

5 minutes

15212

V

30 minutes	
Free field	Z *

1 meter from façade **Monitoring Location:** L₁₀, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) L_{eq}, dB(A) Sample Sample L₉₀, dB(A) 1 4 .0 2 5 3 6

Averaging Period :

Overall Leq (30 min)	63.3	dB(A)		Average Baseline Level	dB(A)		Corrected Noise Level*	dB(A)
-------------------------	------	-------	--	------------------------------	-------	--	---------------------------	-------

Sampled By: (Signature) (Name) 2/10/2019 Date:

Checked By:	(Signature)
	(Name) Fai So
Date:	2-1-2-19

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	3/10/2019
Project No.	1062
Station ID No.	

(Day) Evening / Night Time Period 1 M-52 Equipment Name EROL Equipment No.

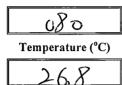
2. WEATHER

Wind Speed (tick) Calm (< 1m/s)Low (1-5 m/s) * Medium (5-10m/s) * High (> 10 m/s)

Rainfall (tick)					
Nil					
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

CALIBRATION 3.

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9410
Calibrator Serial No	FROSL	Final Calibration Reading, dB(A)	exio

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

YES	NO	Description of Observation						
		Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
	レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
	レ							
	17							
	5	Re	,					
5		35	14				·	
5			人足					
	YES V	YES NO	Piling Breaking	Piling Mobilization Breaking Cutting	Piling Mobilization Drilling Breaking Cutting Blasting	Piling Mobilization Drilling Excavation Breaking Cutting Blasting Backfilling	Piling Mobilization Drilling Excavation Dredging Breaking Cutting Blasting Backfilling Demolition	Piling Mobilization Drilling Excavation Dredging Concreting Breaking Cutting Blasting Backfilling Demolition Fornwork

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS

Start Time		$10^{2}37$		Stop Time		11-07	
Readings (Fast l	Response)	ŗ	Averaging Peri Monitoring Locat		ıtes 🔽 rom façade 🗌	30 minutes Free field	□ *
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	72.8	4811	42.8	4	45.4	45.5	39.5
2	43.2	45.8	40.5	5	427	4610	KOID
3	46.4	46.9	¥1,3	6	45.4	45.3	HI

Overall Leq (30 min)	6ζ. (dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)		
* If free field is ticked 3dB is need to add for correction							

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature) Fu
	(Name) Fai Su
Date:	3-10 -2019

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	3110/2019
Project No.	1062
Station ID No.	NIKO

Time Period (Day) 1 Evening / Night Equipment Name κΛ 52 Equipment No. ED DI

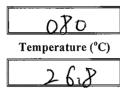
2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	~
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil レ Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

Citeron Citeron			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	2410
Calibrator Serial No	FRO 82	Final Calibration Reading, dB(A)	240

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

13212

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Anticities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic									
Aircraft			R/a						
Animals			13	. /					
Other Sources	\mathbf{V}			$\sqrt{2}$					
	·			~~~ ~~~ ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					

Sample	Observation	Sample	Observation
1	XEI	4	
2	, , , , , , , , , , , , , , , , , , ,	5	
3		6	

Averaging Period :

5. RESULTS

1

2

3

Start Time	
------------	--

Readings (Fast Response)

Stop Time

5 minutes

30 minutes Free field

3242

V

1 meter from façade **Monitoring Location:** L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample Lea, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample 49 4 5 46,5 6 3

Overall Leq (30 min)	61.5	dB(A)		Average Baseline Level	dB(A)		Corrected Noise Level*	gn,	dB(A)
-------------------------	------	-------	--	------------------------------	-------	--	---------------------------	-----	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date: 3/10/2019

Checked By:	(Signature)
	(Name) For, So
Date:	3-10-249

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	3/10/2019
Project No.	1062
Station ID No.	N

Time PeriodDay / Evening / NightEquipment NameM - 52Equipment No.FQD / I

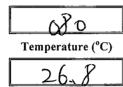
2. WEATHER

Wind Speed (tick)					
Calm (< 1m/s)	V				
Low (1–5 m/s)					
Medium (5–10m/s)	*				

Rainfall (ticl	k)
Nil	~
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*
	I

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

High (> 10 m/s)

of chambraithon			
Calibrator Model	BK-4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FR082	Final Calibration Reading, dB(A)	9410

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

16-19

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic									
Aircraft		\checkmark	£.1						
Animals			YET						
Other Sources									

Sample	Observation	Sample	Observation
1	757	4	
2		5	
3		6	

5. RESULTS

Readings (Fast Response)

Start Time

Averaging Period :

Monitoring Location:

Stop Time

5 minutes

1 meter from façade

- 30 minutes

16-49

1

Free field

Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
. 1	67,6	42,X	39.4	4	555	452	77.6
2	63.2	46.6	3812	5	46.6	443	36.6
3	49.6	222	368	6	So.h	451	37.9

(30 min) C(C) Level	Overall Leq (30 min) $(1, 5)$ $(30 \text{ dB}(A))$	Average Baseline Level	dB(A)	Corrected Noise Level*		dB(A)
---------------------	--	------------------------------	-------	---------------------------	--	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	ult
	(Name)	YAI
Date:		3/10/2019

Checked By:	(Signature) Su			
	(Name) FG' Su			
Date:	3-10-2019			

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	3/10/2019
Project No.	1062
Station ID No.	N2a

Time PeriodDay/ Evening/ NightEquipment Name///-52Equipment No.///-011

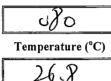
2. WEATHER

Wind Speed (tick) Calm (< 1m/s)</th> ✓ Low (1–5 m/s) ✓ Medium (5–10m/s) * High (> 10 m/s) *

Rainfall (tick)				
~				
*				
*				
*				

Wind	Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

J. CHLIDIATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9 tro
Calibrator Serial No	$H_{1} \cap K_{1}$	Final Calibration Reading, dB(A)	Qy10

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

 10^{-0}

Source	YES	NO	Description of Observation						Description of Observation			
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing			
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading			
Facilities Operation		5										
Road Traffic		\checkmark										
Aircraft		V										
Animals		~		+								
Other Sources	V		K	Z								

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

Averaging Period :

Monitoring Location:

5. RESULTS

Readings (Fast Response)

Start Time

Stop Time

5 minutes

1 meter from façade

 (0^{2})

L

 30 minutes

 Free field

Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	43,6	48.3	38.4	4	46.7	51.2	40.2
2	Ű43	4813	39.3	5	45.8	SII	41,2
3	\mathcal{G}	4410	38,4	6	¥ì.¥	51.2	410

Overall Leq (30 min) 44.4 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
------------------------------------	------------------------------	-------	---------------------------	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature)	Sai	
	(Name)	Fai Su	
Date:		3-10-2010	

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	3/10/2019
Project No.	KUL
Station ID No.	KALA

Time PeriodDay / Evening / NightEquipment Name $\mathcal{NL-S2}$ Equipment No. $\mathcal{FQ0}/\mathcal{I}$

2. WEATHER

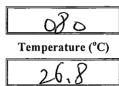
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (ticl	K)
Nil	~
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9410
Calibrator Serial No	EQOYL	Final Calibration Reading, dB(A)	940

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		~							
Aircraft		\checkmark							
Animals		V	. 1	/ 5					
Other Sources	\checkmark			2					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

Averaging Period :

5. RESULTS

Readings (Fast Response)

Start Time	
------------	--

13250

Stop Time

5 minutes

14220

 \Box

30 minutes

Monitoring Location: 1 meter from façade L₁₀, dB(A) L₉₀, dB(A) Sample L_{eq}, dB(A) L10, dB(A) L₉₀, dB(A) Sample L_{eq}, dB(A) 4 1) 2 5 10 2 3 6 013 5

Overall Leq (30 min) $5/7$ dB(A)	Average Baseline dB(A) Level	Corrected Noise Level* dB(A)
-------------------------------------	------------------------------------	---------------------------------

Sampled By: (Signature) (Name) (10/2019 Date: ζ

Checked By:	(Signature)	Jai		
	(Name)	Fai	Sa	
Date:	3-10-2-14			

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

1. GENERAL	
Date	2/10/2019
Project No.	1062
Station ID No.	NZg

Time Period (Day Evening / Night 1 -52 Equipment Name Equipment No. FROU

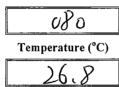
2. WEATHER

Wind Speed (tick)					
Calm (< 1m/s)					
Low (1–5 m/s)					
Medium (5–10m/s)	*				
High (> 10 m/s)	*				

Rainfall (tick)					
Nil					
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				



[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

Of CHEIDIGHTON			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9410
Calibrator Serial No	EQ.082	Final Calibration Reading, dB(A)	etto

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Sourc	e	YES	NO	Description of Observation							
Construction .	Activities		V	Piling	Mobilizatio		Excavat Backfill		redging	Concreting Formwork	Grabbing unloading
Facilities Ope	pration			Breaking	Cutting	Blasting	Backhin	ing De		FUIIIWUIK	unioading
Road Traffic											
Aircraft			V				· · ·				
Animals		\checkmark		- 7	12/1	,					
Other Sources	ĩ	V	1.			7					
					l]
Sample		(Observa	tion		Sample		·	Observ	ation	
1						4					
2						5					
3						6					
5. RESUL				· · · · ·			-				
Start Time			15-	43		Stop Time		1623			
<u> </u>	<u> </u>		1=			<u>. </u>			<u>_</u>		
Readings (Fast F	Response)			Av	veraging Per	riod: 5 m	inutes		30 1	minutes	
				Mon	itoring Loca	tion: 1 mete	r from fa	çade 🗌	Fr	ee field	_ *
Sample	L _{eq} , dB	(A)	L ₁₀ , d	B(A)	L ₉₀ , dB(A)	Sample	Lee	, dB(A)	L ₁₀ ,	dB(A)	L ₉₀ , dB(A)
1	61.7	7	49	3	4/11	4	4	8.7	US VS	2.2	40.5
2	49	1	$\frac{1}{\sqrt{2}}$	2,2	UL 7	5	Č	6812	ŤŸ	912	YHIS
3	US US	1	- Ŭ	P13	38.2	6		17.6	5	5.5	425
		<u>`_</u>			<u>/0</u>	<u> </u>					<u> </u>
Overall Leq					Average				Comme	4ad	
	54.8	dB	(A)		Baseline		lB(A)		Correc Noise Le		dB(A)
(30 min)					Level						
* If free field is	ticked, 3dE	s is need	to add t	for correction	n					0	
Sampled By:	(Signature	:)		with		Checl	ked By:	(Signatu	ire) 📿	fai	
	(Name)		f	A				(Name)		Fai Su	
Date:			311	0/201	9	Date:			3-10-		

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	3/10/2019
Project No.	1062
Station ID No.	NZADD

Time PeriodDay/ Evening / NightEquipment Name M_{-52} Equipment No. $\bigcirc O //$

2. WEATHER

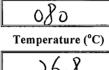
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil ✓ Trace (< 1 mm)</td> ✓ Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *

[Direction from which wind originates]
(degree)

Wind Direction



Note: * Do not sample under these conditions

3. CALIBRATION

		<u></u>	
Calibrator Model	BE4231	Initial Calibration Reading, dB(A)	etio
Calibrator Serial No	EDORL	Final Calibration Reading, dB(A)	240

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

11221

Source	YES	NO		Description of Observation					
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		5							
Aircraft		\checkmark	24						
Animals	~		15						
Other Sources		V							

Sample	Observation	Sample	Observation
1	分別	4	
2		5	
3		6	

5. RESULTS

Readings (Fast Response)

Start Time

.

Averaging Period :

Monitoring Location:

Stop Time

5 minutes

1 meter from façade 🚺

(1-51

Ū/

30 minutes Free field ,	

L_{eq}, dB(A) L₉₀, dB(A) Sample L₁₀, dB(A) Sample L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) 1 2 4 \leq D.1 n 2 5 6.6 6 4,2 3 10

Overall Leq (30 min) $\xi $ $\xi $ $\zeta $ $dB(A)$	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
--	------------------------------	-------	---------------------------	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	WAI
	(Name)	uß
Date:		3110/2019

Checked By:	(Signature) A
	(Name) Fgi So
Date:	3-10-2019

Version No.: 01

Effective Date: 01/06/2015

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	3/10/2019
Project No.	1062
Station ID No.	NBALLE

(Day) Time Period / Evening / Night Equipment Name \mathcal{A} 52 ~ 201 Equipment No. F

2. WEATHER

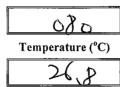
Wind Speed (tick)

Calm (< 1m/s)	\checkmark
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)					
Nil	V				
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9.4io
Calibrator Serial No	ÉQUEL	Final Calibration Reading, dB(A)	e tio

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation						
			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ					· · · · · · · · · · · · · · · · · · ·		
Road Traffic		~							
Aircraft		\checkmark	~ (
Animals	レ		XE	1					
Other Sources		\checkmark							

Sample	Observation	Sample	Observation
1	NET.	4	
2		5	
3		6	

5. RESULTS 11253

Start Time		

Stop Time

Readings (Fast Response)			Averaging Peri Monitoring Loca		utes I from façade	30 minutes Free field		
	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
	1	70.7	4914	37.4	4	46.4	429	37.7
	2	40-2	46.6	36.1	5	4),3	4800	3816
	3	445	42,9	36.7	6	46,3	4812	38,2

Overall Leq (30 min)	63.0	dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
* If free field is	ticked 3dB is	need to ad	for correction			

If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 3110 Date:

Checked By:	(Signature)	<i>Smi</i>	
	(Name)	Fai So	
Date:	2	10 -2019	

12-23

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	3/10/2019
Project No.	1062
Station ID No.	N39

Evening / Night Time Period (Day 1 N1-52 Equipment Name Equipment No. EQUII

2. WEATHER

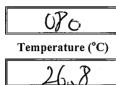
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)					
Nil					
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				
	l				

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

CHEIDIGITION			
Calibrator Model	B(C42)1	Initial Calibration Reading, dB(A)	CLID
Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)	9410

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

1720

Source	YES	NO			Descri	ption of Obser	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic									-
Aircraft									
Animals									
Other Sources									

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

RESULTS 5.

	_
h	
Stort Time	1
Start Time	

Readings (Fast Response)

Stop Time

5 minutes

30 minutes Free field

ځ≇

L

		N	Ionitoring Loca	tion: 1 meter f	rom façade [Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	45.2	497	32,6	4	424	5/10	33.8
2	.46.1	50.2	33.1	5	45,2	Soio	32.2
3	45-2	49,2	32.6	6	4813	51,5	34,3
							.

Averaging Period :

Overall Leq (30 min)	46.4 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)	
* * * 0.0 0* 1.1.1						

Sampled By: (Signature) (Name) 3/10/2 Date:

Checked By:	(Signature) A		
	(Name) Fai Su		
Date:	3-10-2014		

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	3/10/2019
Project No.	1062
Station ID No.	$\gamma \varphi$

(Day Time Period Evening / Night 1 Equipment Name Equipment No. 1001

2. WEATHER

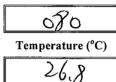
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)						
Nil	~					
Trace (< 1 mm)						
Low (1 - 10 mm)	*					
Medium (10 - 50 mm)	*					
High (> 50 mm)	*					

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

CHERDICITION			
Calibrator Model	BK-4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FROKL	Final Calibration Reading, dB(A)	etio

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation							
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing	
Construction Activities		\mathcal{V}	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading	
Facilities Operation		V								
Road Traffic		5								
Aircraft		V	1.1.							
Animals	2		751							
Other Sources		レ								

Sample	Observation	Sample	Observation
1	751	4	
2		5	
3		6	

5.	RESULTS

Readings (Fast Response)

Start Time

9-18

31.10

1201

Averaging Period :

Stop Time

Date:

5 minutes

30 minutes

9-48

W

Free field

Monitoring Location: 1 meter from façade Sample Leg, dB(A) L₁₀, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) L₉₀, dB(A) Sample 1 4 2 5 3 6

Overall Leq (30 min)	62.5	dB(A)		Average Baseline Level	dB(A)		Corree Noise L		/	dB(A)
* If free field is	ticked, 3dB i	s need to ad	d for correc	tion				(^	
Sampled By:	(Signature)		WA	ł	Checked By:	(Signa	ture)	Je	ā,	
	(Name)	·	IN IA	1		(Name)	Fai	Sa	

Date:

3-10-2019

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	3/10/2019
Project No.	1062
Station ID No.	M

Evening Time Period (Day) / / Night Equipment Name 1 -2 Equipment No. FG

2. WEATHER

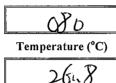
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)						
\checkmark						
*						
*						
*						

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

UI CITEIDIUTTOIT			·
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	EQOP2	Final Calibration Reading, dB(A)	atio

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

(423)

Source	YES	NO	Description of Observation							
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing	
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading	
Facilities Operation		V								
Road Traffic		レ								
Aircraft		\checkmark	~(
Animals	\checkmark		15							
Other Sources		$\overline{\mathcal{V}}$	-							

Sample	Observation	Sample	Observation	
1	XFST	4		
2		5		
3		6	XEI	

5.	RESULTS
Star	t Time

Readings (Fast Response)

Averaging Period :

Monitoring Location:

Stop Time

5 minutes

4 30 minutes 7* 1 meter from façade Free field

20

Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	65.5	50.6	343	4	453	48,8	33,2
2	¥1,>	43.2	33,5	5	42.1	449	3210
3	45.5	48.5	340	6	621	\$52,9	342

|--|

Sampled By: (Signature) (Name) 3(10 Date:

Checked By:	(Signature)	Ja;	
	(Name)	Fai Su	
Date:	3-	10-7019	

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	3/10/2019
Project No.	1062
Station ID No.	NY

Time Period	(Da) / Evening / Night
Equipment Name	NL-52
Equipment No.	FROIL

2. WEATHER

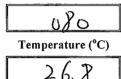
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil Trace (< 1 mm)</td> Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

			÷ 1
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	2410
Calibrator Serial No	flog2	Final Calibration Reading, dB(A)	atio

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic		7							
Aircraft		2	26						
Animals	\checkmark		/X12)						
Other Sources		レ							

Sample	Observation	Sample	Observation
1	XTEI	4	
2		5	
3		- 6	

5. RESULTSStart Time $(5^2 0^2)$ Stop Time $(5^2)^2$

Readings (Fast R	lesponse)	Ν	Averaging Peri Ionitoring Locat		utes 🔄 rom façade 🗌	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	73.9	46.5	3500	4	3810	42,9	33.0
2	47,2	43.6	33.2	5	4/12	BB	32.4
3	42,1	42,6	343	6	41,3	44.8	32,5

Overall Leq (30 min) 66 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
----------------------------------	------------------------------	-------	---------------------------	-------

Sampled By:	(Signature)	WAS
	(Name)	WAST
Date:		3/10/2019

Checked By:	(Signature)
	(Name) Fai Su
Date:	3-12019

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	4/10/2019
Project No.	1062
Station ID No.	NI

Time Period Day Evening / Night 1 52 Equipment Name A Equipment No. ŀ 601

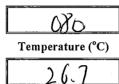
2. WEATHER

Wind Speed (tick) Calm (< 1m/s)Low (1-5 m/s) * Medium (5-10m/s) * High (> 10 m/s)

Rainfall (tick)			
Nil			
Trace (< 1 mm)			
Low (1 - 10 mm)	*		
Medium (10 - 50 mm)	*		
High (> 50 mm)	*		

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

CALIBRATION 3

J. CALIDIATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FR082	Final Calibration Reading, dB(A)	9 tis

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

Source	YES	NO	O Description of Observation						
Construction Activities		V	Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting Formwork	Grabbing unloading
Facilities Operation		V	Dieuning	<u>outung</u>	Diabinig	1 Duomining			unouung
Road Traffic		5							
Aircraft		\checkmark	s in						
Animals			Ŷ>						
Other Sources				人為					

Sample	Observation	Sample	Observation
1	25	4	
2	· · · · · · · · · · · · · · · · · · ·	5	
3		6	

RESULTS 5.

Readings (Fast Response)

Start Time

10-22

Stop Time

5 minutes

1 meter from façade

10=58

V

30 minutes	
Free field	⊿*
	· · · · · · · · · · · · · · · · · · ·

L_{eq}, dB(A) L₉₀, dB(A) L₉₀, dB(A) Sample L₁₀, dB(A) Sample L_{eq}, dB(A) L₁₀, dB(A) 40 1 4 2 62 5 6 3 6

Averaging Period :

Monitoring Location:

Overall Leq (30 min) 47, 0 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	¹
-------------------------------------	------------------------------	-------	---------------------------	--------------

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature)
	(Name) For Su
Date:	4-10-2019

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	4/10/2019
Project No.	1062
Station ID No.	<u>Λ/</u>

Time Period	Day / Evening / Night
Equipment Name	61-52
Equipment No.	FQ011

2. WEATHER

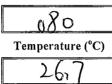
Wind Speed (tick)

Calm (< 1m/s)	K
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)		
Nil	~	
Trace (< 1 mm)		
Low (1 - 10 mm)	*	
Medium (10 - 50 mm)	*	
High (> 50 mm)	*	

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

U. ONLIDIUITION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9/40
Calibrator Serial No	FROPZ	Final Calibration Reading, dB(A)	Etho

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

12 = 52

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		$\boldsymbol{\mathcal{V}}$							
Road Traffic		レ							
Aircraft		\checkmark	KIG						
Animals	5		(J.5)	4					
Other Sources	1			LE					

Sample	Observation	Sample	Observation
1	XA	4	
2	y •	5	
3		6	

5. RESULTS

Start Time

Stop Time

P **Averaging Period :** 5 minutes 30 minutes **Readings (Fast Response) Monitoring Location:** 1 meter from façade Free field L₁₀, dB(A) L₁₀, dB(A) L₉₀, dB(A) L_{ea}, dB(A) L₉₀, dB(A) Sample Lea, dB(A) Sample (۲) a 4 1 2 5 3 6 Average **Overall** Leq Corrected 48.0 dB(A) dB(A) dB(A) Baseline Noise Level* (30 min)

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature)
	(Name) Fai Su
Date:	4-10-2019

222

Level

1

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

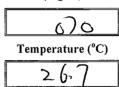
I OBUDIUID	
Date	4/10/2019
Project No.	1067
Station ID No.	

Time PeriodDay/ Evening / NightEquipment NameNL-S2Equipment No.EQ.011

2. WEATHER

Rainfall (tick) Nil ✓ Trace (< 1 mm)</td> * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

UNLIDICITION			
Calibrator Model	BE4231	Initial Calibration Reading, dB(A)	9410
Calibrator Serial No	EQUEL	Final Calibration Reading, dB(A)	9tho

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		\sim	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic									
Aircraft		\checkmark		-					
Animals	>		1/2						-
Other Sources	\overline{V}			/ A					

Sample	Observation	Sample	Observation
1	\$51	4	
2		5	
3		6	

Averaging Period :

60

5.	RESULTS

		Т
S	Start Time	

Sample

1

2

3

Readings (Fast Response)

16-23

Stop Time

6

30 minutes

(6-33

V

Monitoring Location: 1 meter from facade L₉₀, dB(A) L_{eq}, dB(A) L₁₀, dB(A) Sample L₁₀, dB(A) L₉₀, dB(A) Q7.6 4 17 μ_{0} J 5 2 \mathfrak{I}_{1} \mathcal{L}_{0}

5 minutes

Overall Leq (30 min) $\int 2 \cdot 0 dB(A)$	Average Baseline dB(A) Level	Corrected Noise Level* dB(A)
---	------------------------------------	---------------------------------

* If free field is ticked, 3dB is need to add for correction

L_{eq}, dB(A)

Sampled By:	(Signature)	WAT	
	(Name)	WAF	
Date:		4/10/2019	

Checked By:	(Signature) Sa			
	(Name) Fai So			
Date:	4-10-2019			

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1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	4/10/2019
Project No.	1062
Station ID No.	N29

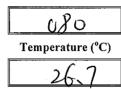
Day / Evening / Night Time Period M - 52Equipment Name 6001 Equipment No.

2. WEATHER

Wind Speed (tick)			
Calm (< 1m/s)			
Low (1–5 m/s)			
Medium (5–10m/s)	*		
High (> 10 m/s)	*		

Rainfall (tick)			
Nil			
Trace (< 1 mm)			
Low (1 - 10 mm)	*		
Medium (10 - 50 mm)	*		
High (> 50 mm)	*		

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

CALIBRATION 3

of Childhandon			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	ERO 82	Final Calibration Reading, dB(A)	9760

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

9250

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic		\checkmark							
Aircraft		\checkmark							
Animals		V		(
Other Sources				Na,					
				-1	<u> </u>				

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5.	RESU	LTS
		_

Readings (Fast Response)

Start	Time

Stop Time

5 minutes

1 meter from façade

10220

30

L

30 minutes	
Free field	*

L_{eq}, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample L₁₀, dB(A) L_{90} , dB(A) Sample 4 1 6 Ο ろし 2 5 t1,2 3 6 Ф

Averaging Period :

Monitoring Location:

Overall Leq (30 min) 43, dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
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(Signature)	WAI
(Name)	usi
	416012019

Checked By:	(Signature)	Sai	
	(Name)	Fai So	
Date:	4	- 10 -2019	

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

GENERAL

1. GENERAL	
Date	4/10/2019
Project No.	1062
Station ID No.	N2a

Day / Time Period Evening / Night 1-52 Equipment Name Equipment No. Rnl

WEATHER 2.

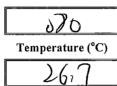
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)			
\checkmark			
*			
*			
*			

Wind	Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

CALIBRATION

3. CALIBRATION		· · · · · · · · · · · · · · · · · · ·	
Calibrator Model	BK-4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FROZZ	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic									
Aircraft									
Animals				4					
Other Sources	~		K i	É					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

Start Time	

Stop Time

13250

Readings (Fast R	Response)	N	Averaging Per Aonitoring Loca		utes 🔽	30 minutes Free field	□ _*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	43.0	$\Theta_{u}L$	36.8	4	4.9	45.3	32.2
2	40.4	42.4	37.0	5	40.2	Đ.T	26.1
3	46,6	43.0	37.3	б	40.1	422	369

Overall Leq (30 min) 41, 2 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	ć dB(A)
-------------------------------------	------------------------------	-------	---------------------------	---------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date: 10/2019

3:20

Checked By:	(Signature)
	(Name) Fai, So
Date:	4-10-2019

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	4/10/2019
Project No.	1062
Station ID No.	Ma

Time PeriodDay / Evening / NightEquipment NameM-52Equipment No.EQ011

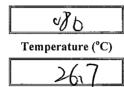
2. WEATHER

Wind Speed (tick)				
Calm (< 1m/s)				
Low (1–5 m/s)				
Medium (5–10m/s)	*			
High (> 10 m/s)	*			

Rainfall (tick) Nil ✓ Trace (< 1 mm)</td> * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *



[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

J. CREDINATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FROPP	Final Calibration Reading, dB(A)	atio

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

(1 = 1)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Anti-ities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ	4						
Road Traffic	~	9	157						
Aircraft		$\overline{}$	/						
Animals		\checkmark		1					
Other Sources	\mathbf{V}			K.					
				(

Sample	Observation	Sample	Observation
. 1		4	\sim
2	會車蠹飲	5	Ч
3		6	7

5. RESULTS

Start Time

Stop Time

Readings (Fast Response) Averaging Period : 5 minutes 30 minutes **Monitoring Location:** 1 meter from façade Free field L_{eq}, dB(A) $L_{10}, dB(A)$ L₉₀, dB(A) Sample L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample 80.9 53 1 5016 4 \cap 2 723 8,3 5 80,0 6 3 80,2 6 80.2

Overall Leq (30 min)	76.8 dB(A)	Average Baseline Level	dB(A)		Corrected Noise Level*	dB(A)
	the terms to the			-		

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 4/10/2019 Date:

Checked By:	(Signature) \mathcal{F}_{i}	
	(Name) Fai Sc	_
Date:	4-10-2019	

|(=4)|

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	4/10/2019
Project No.	1062
Station ID No.	N3a

Time PeriodDay / Evening / NightEquipment Name \mathcal{N}_{-} 52Equipment No. \mathcal{C} 0 11

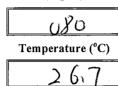
2. WEATHER

Wind Speed (tick) Calm (< 1m/s)</th> ✓ Low (1–5 m/s) * Medium (5–10m/s) *

Rainfall (tick)				
Nil	~			
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

High (> 10 m/s)

5. CADIDICATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)	940

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

2

L

*

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities		-	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark	~ (r					
Road Traffic	~		p /	7					
Aircraft		V	/						
Animals		\checkmark							
Other Sources			人范						

Sample	Observation	Sample	Observation
1	贫車還須	4	
2		5	
3		6	

	5.	RESUL	ЛS
ſ	Start	Time	

e		

Stop Time

Readings (Fast Response) Averaging Period : 5 minutes 4 30 minutes Free field 1 meter from façade **Monitoring Location:** L_{eq}, dB(A) L₉₀, dB(A) Leq, dB(A) Sample L₁₀, dB(A) Sample L₁₀, dB(A) L₉₀, dB(A) 4 1 2 5 6 ъ 9.8 3 5 6 2,0 ٢

Overall Leq (30 min) 754 (4 dB(A)	Average Baseline dB(A) Level	Corrected Noise Level* dB(A)
		, <u> </u>

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) UNI 41(10(2019 (Name) Date:

Checked By:	(Signature)	Jai
	(Name)	Fai Su
Date:	4-	10 -2019

2=1

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	4/10/2019
Project No.	1062
Station ID No.	A13a

Time PeriodOay/ Evening/ NightEquipment NameML-SLEquipment No.EQD (1)

2. WEATHER

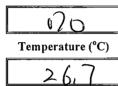
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil	V			
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

5. CREIDICATION			
Calibrator Model	8(42)1	Initial Calibration Reading, dB(A)	Clio
Calibrator Serial No	FR082	Final Calibration Reading, dB(A)	940

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO		Description of Observation					
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark			-				
Road Traffic		\checkmark							
Aircraft		\checkmark	6E						
Animals	\checkmark		361						
Other Sources		\checkmark							

Sample	Observation	Sample	Observation
1	18/33	4	
2		5	
3		6	

5.	RESUI	JTS						
Star	rt Time		16244		Stop Time		1)214	
Readi	ings (Fast F	Response)	M	Averaging Per Ionitoring Loca		ıtes 🖳	30 minutes Free field	
S	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
	1	744	60.8	340	4	441	47.6	326
	2	46.2	49.2	33.5	5	45.3	4815	336
	3	41.2	46.4	32.2	6	433	¥7,3	3200
							· · · · · · · · · · · · · · · · · · ·	
Ov	erall Lea	,		Average			Connected	

 Overall Leq (30 min)
 ()
 ()
 Average Baseline Level
 dB(A)
 Corrected Noise Level*
 dB(A)

 * If free field is ticked, 3dB is need to add for correction
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Sampled By: (Signature) (Name) 1612019 4 Date:

Checked By:	(Signature)	Sui	
	(Name)	Fai So	
Date:	4-	10-2-19	

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. **GENERAL**

Date	4/10/2019
Project No.	10/2
Station ID No.	NY

(Day) / Evening / Night Time Period AIL \$2 Equipment Name Equipment No.

2. WEATHER

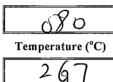
Wind Speed (tick)

Calm (< 1m/s)	\checkmark
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

5. CALIDIATION			
Calibrator Model	BK-42)1	Initial Calibration Reading, dB(A)	9400
Calibrator Serial No	702082	Final Calibration Reading, dB(A)	atio

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

9=07

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		$\mathbf{\mathcal{I}}$							
Road Traffic		ン							
Aircraft		V	61						
Animals	\checkmark		12						
Other Sources		\checkmark	•						

Sample	Observation	Sample	Observation
1	TH	4	
2		5	
3		6	

Averaging Period :

Monitoring Location:

5. RESULTS

Readings (Fast Response)

Start Time

Stop Time

5 minutes

1 meter from façade

30 minutes

9-37

5

Free field

L₁₀, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample Leg, dB(A) L₉₀, dB(A) Sample 72.6 2 4 1 ,2 2 5 .2 62 2 3 6

Overall Leq (30 min) $6 \notin \mathcal{C}$ dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
--	------------------------------	-------	---------------------------	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature)
	(Name) Fa; So
Date:	4-10-2019

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	4/10/2019			
Project No.	1062			
Station ID No.	NY NY			

Time PeriodDayEveningNightEquipment NameM-52Equipment No.EQ011

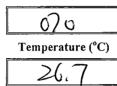
2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil Trace (< 1 mm)</td> * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	Eleo
Calibrator Serial No	tRop2	Final Calibration Reading, dB(A)	9th

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

14212

Source	YES	ŇO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		5							
Road Traffic									
Aircraft		ン	LA						
Animals	2								
Other Sources		\checkmark							

Sample	Observation	Sample	Observation
1	857	4	
2		5	
3		6	

5. RESULTS

Readings (Fast Response)

Start Time

Averaging Period :

Monitoring Location:

Stop Time

5 minutes

1 meter from façade

30 minutes

14:42

·L

Overall Leq (30 min) $\int \frac{1}{2} \int \frac{1}{2} \int \frac{1}{2} dB(A)$	Average Baseline dB(A) Level	Corrected Noise Level* dB(A)
--	------------------------------------	---------------------------------

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature)	Sai	
	(Name)	Fai So	
Date:	4-10	-2019	

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	4/10/2019
Project No.	1062
Station ID No.	N4

(Day) / Time Period Evening / Night -52 Equipment Name Equipment No. Th $\cap I$

2. WEATHER

Wind Speed (tick)

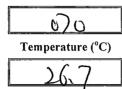
Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil	V			
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

. . - -

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3. CALIBRATION

CHEIDIGITION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	62082	Final Calibration Reading, dB(A)	Edo

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO		Description of Observation					
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		V	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic		5	•						
Aircraft		\checkmark	XG	,					
Animals			J.b.						
Other Sources		レ							

Sample	Observation	Sample	Observation
1	75	4	
2		5	
3		6	

	5. RESUL	TS		-				
	Start Time		14244		Stop Time		15214	
ł	Readings (Fast R	lesponse)	N	Averaging Per Ionitoring Loca		ites [rom façade [30 minutes Free field	
	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A) L_{10} , $dB(A)$	L ₉₀ , dB(A)
	1	65.2	44.2	36.3	4	403	4.2	33,5
	2	40.2	42.00	3/64	5	46.5	43,0	351
	3	4500	4310	351	6	W21	422	344
	Overall Leq (30 min)	57,6 ав	B(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Y 100/2019 Date:

Checked By:	(Signature) Shi
	(Name) Fai So
Date:	4-10-2019

Level

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	5/110/2019
Project No.	1062
Station ID No.	N

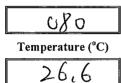
Time PeriodDay / Evening / NightEquipment Name $\mathcal{NL}-52$ Equipment No.Equipment No.

2. WEATHER

Wind Speed (tick) Calm (< 1m/s)</th> ✓ Low (1–5 m/s) * Medium (5–10m/s) * High (> 10 m/s) *

Rainfall (tick)				
Nil	~			
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

<u> </u>			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	60082	Final Calibration Reading, dB(A)	<i>aho</i>

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

10245

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic		V							
Aircraft		$ \nu$	1.6						
Animals	レ		1/10)	. 4					
Other Sources	V			人在					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS

Start Time

Stop Time

Readings (Fast Response) Averaging Period : 5 minutes \Box 30 minutes 1 meter from façade Free field **Monitoring Location:** L₁₀, dB(A) L₉₀, dB(A) L_{eq}, dB(A) Sample L_{eq} , dB(A)Sample L₁₀, dB(A) L₉₀, dB(A) 4 1 2 5 Ðι 3 6

	Overall Leq (30 min)	52.6		dB(A)	Noise Level*	dB(A)
--	-------------------------	------	--	-------	--------------	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature)	Jai	
	(Name)	Fai So	
Date:	<u> </u>	10 - 2019	<u> </u>

1215

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL 1.

Date	5/10/2019
Project No.	1062
Station ID No.	N

Time Period	Day) / Evening / Night
Equipment Name	M-52
Equipment No.	60011

WEATHER 2.

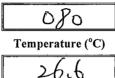
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tic	k)
Nil	
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which
wind originates]
(degree)



Note:* Do not sample under these conditions

2 CALIBRATION

J. CALIDIATION			
Calibrator Model	BK-4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	ERONL	Final Calibration Reading, dB(A)	9 this

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

Source	YES	NO	Description of Observation						
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		\checkmark	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		レ							
Aircraft		~	61-						
Animals	\checkmark		75	it.					
Other Sources	\langle			KÆ					

Sample	Observation	Sample	Observation
1	AB1	4	
2		5	
3		6	

5.	RESUL	ΤS

Readings (Fast Response)

Start Time

ζ 256 **Stop Time**

5 minutes

30 minutes

ī. Free field

		М	Ionitoring Loca	tion: 1 meter f	rom façade 🗌	Free field	
Sample	L _{eg} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	67.9	46.0	37.5	4	455	thio	39.8
2	42.3	42.4	38.8	5	4/10	43.6	3810
3	449	443	381	6	43.4	45.3	39,3

Averaging Period :

Overall Leq 60 (30 min)	Average Baseline Level	dB(A)	Corrected Noise Level*	, → dB(A)
-----------------------------------	------------------------------	-------	---------------------------	-----------

* If free field is ticked, 3dB is need to add for correction

3:26

Sampled By:	(Signature)	WO
	(Name)	ubj
Date:		5/10/2019

Checked By:	(Signature) Fai
	(Name) Fai, So
Date:	5 - 10 -2019

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	5/10/2019
Project No.	1062
Station ID No.	\mathcal{M}

Time PeriodOay / Evening / NightEquipment Name \mathcal{M} -S2Equipment No. \mathcal{E} OO()

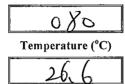
2. WEATHER

Wind Speed (tick) Calm (< 1m/s)</th> ✓ Low (1–5 m/s) * Medium (5–10m/s) * High (> 10 m/s) *

Rainfall (tic	k)
Nil	
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

<u>o.</u> childhannon			
Calibrator Model	BK421	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	ERUZZ	Final Calibration Reading, dB(A)	240

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

16:53

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic									
Aircraft			hat a						
Animals	レ		AF5	4					
Other Sources	V			XR					

Sample	Observation	Sample	Observation
1	25	4	
2		5	
3		6	

5.	RESULTS

C.	fart "	Fimo
	Lati	linne i

Stop Time

30 minutes **Readings (Fast Response) Averaging Period :** 5 minutes レ Free field **Monitoring Location:** 1 meter from façade L_{eq}, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample L₉₀, dB(A) Sample 1 4 5 2 Ý 3 6 ()

Overall Leq (30 min) $5\sigma_{\chi}b$ dB(A)	Average Baseline dB Level	B(A) Corrected dB(A) dB(A)
---	---------------------------------	----------------------------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature)
	(Name) $\overline{F_{q_1}}$ So
Date:	5-10-2019

203

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	5/10/2019
Project No.	1062
Station ID No.	Ma

Time Period (Day) / Evening / Night M-52 Equipment Name EROII Equipment No.

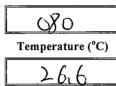
2. WEATHER

Wind Speed (tick) Calm (< 1m/s) \checkmark Low (1-5 m/s) * Medium (5-10m/s) * High (> 10 m/s)

/
*
*
*

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3 CALIBRATION

J. CHLIDIANION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FROM2	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

10=08

Source	YES	NO	k.		Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic									
Aircraft		V							
Animals			<u></u>	4					
Other Sources				Ŕ					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

RESULTS 5.

Sample

1

2

3

Readings (Fast Response)

Start Time

Averaging Period :

5 2 **Stop Time**

6

30 minutes Free field

27

0338

V

Monitoring Location: 1 meter from façade L_{eq}, dB(A) L₉₀, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) L10, dB(A) Sample 4 5 5

5 minutes

$(30 \text{ min}) \qquad \begin{array}{c} \mathcal{H}_{b} \\ \mathcal{H}_{b} \end{array} \qquad \begin{array}{c} \text{dB}(A) \\ \text{Level} \end{array} \qquad \begin{array}{c} \text{dB}(A) \\ \text{Noise Level}^{*} \end{array} \qquad \begin{array}{c} \text{dB}(A) \\ \text{Noise Level}^{*} \end{array}$	· /	46.7	dB(A)		dB(A)	Corrected Noise Level*	dB(A
--	-----	------	-------	--	-------	---------------------------	------

Sampled By: (Signature) W741 5/10/2019 (Name) Date:

Checked By:	(Signature) SG
	(Name) Fai So
Date:	5-10-2-19

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	5/10/2019
Project No.	1062
Station ID No.	Ma

(Day) / Time Period Evening / Night Equipment Name 5 2 Equipment No. Ð

2. WEATHER

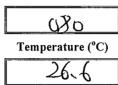
Wind Speed (tick)

Calm (< 1m/s)	\checkmark
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)		
Nil		
Trace (< 1 mm)		
Low (1 - 10 mm)	*	
Medium (10 - 50 mm)	*	
High (> 50 mm)	*	

Wind Direction

Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

CALIBRATION 3

5. CHLIDICHTION			
Calibrator Model	B1K4231	Initial Calibration Reading, dB(A)	9410
Calibrator Serial No	62082	Final Calibration Reading, dB(A)	Etto

4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

ling Excavation Dredging Concreting Grabbing ting Backfilling Demolition Formwork unloading
ting Backfilling Demolition Formwork unloading
-

	· · · · · · · · · · · · · · · · · · ·		
Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

RESULTS 5.

Readings (Fast Response)

Start Time	

Sample

1

2

3

14-02

Averaging Period :

Monitoring Location:

Stop Time

5 minutes

1 meter from façade

14-32 L 30 mi

ninutes	L_
e field	

Fre

L_{eq}, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample L10, dB(A) L₉₀, dB(A) 4 5 Ti 10 Dι 6 2

Overall Leq (30 min)	42. dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
-------------------------	-------------	------------------------------	-------	---------------------------	-------

Sampled By: (Signature) (Name) Date: \leq D

Checked By:	(Signature)	Jai	
	(Name)	Fai So	
Date:	Ę	- 10 -2019	

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	5/16/2019
Project No.	106Z
Station ID No.	N29

Time PeriodDay / Evening / NightEquipment Name $\mathcal{M} - \mathcal{I} \mathcal{I}_{-}$ Equipment No. $\mathcal{GOI}/\mathcal{I}_{-}$

2. WEATHER

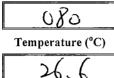
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)		
Nil		
Trace (< 1 mm)		
Low (1 - 10 mm)	*	
Medium (10 - 50 mm)	*	
High (> 50 mm)	*	

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

C. C.LIDIUTION			
Calibrator Model	B(C42) (Initial Calibration Reading, dB(A)	Elis
Calibrator Serial No	ER082	Final Calibration Reading, dB(A)	Eteo

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting Formwork	Grabbing unloading
Facilities Operation		レ				ul	Latera - 21		
Road Traffic									
Aircraft			6.10						
Animals	V		751	1.4					· · · · · · · · · · · · · · · · ·
Other Sources				<u>/ &</u>					

Sample	Observation	Sample	Observation
1	75	4	
2		5	
3		6	

5. RESU	LTS						
Start Time		13257		Stop Time		16=27	
Readings (Fast)	Response)	,	Averaging Per Monitoring Loca		ites 🚺	30 minutes Free field	[
Sample	Lage dB(A)	Lue, dB(A)	Loo, dB(A)	Sample	Leg, dB(A)	L10, dB(A)	Lan.

Sample	$L_{eq}, dB(A)$	$L_{10}, dB(A)$	$L_{90}, dB(A)$	Sample	$L_{eq}, GB(A)$	$L_{10}, dB(A)$	L ₉₀ , ab(A)
1	66.8	423	36.2	4	438	Eff 4	37.2
2	4),2	446	37.2	5	4/16	42.7	36.1
3	40,5	42,6	37,1	6	(42,6	435	36.1

Overall Leq (30 min)	59. dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	2.*	dB(A)
1 700 0 111						

Sampled By: (Signature) (Name) 5 Date:

Checked By:	(Signature) A
	(Name) Fai Su
Date:	5 - 10 - 7019

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	5/10/2019
Project No.	1062
Station ID No.	13g

Time Period	Day / Evening / Night
Equipment Name	NL-52
Equipment No.	64011

2. WEATHER

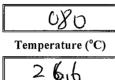
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

U. UILIDIUITION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FQ082	Final Calibration Reading, dB(A)	9410

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

11227

Source	YES	NO		Description of Observation					
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		2							
Aircraft		ζ		•				·	
Animals	V		715	7					
Other Sources									

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS

Readings (Fast Response)

Start	Time	

Stop Time

5 minutes

30 minutes

					,		
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	70.3	52.2	36.6	4	(44,1	50,5	359
2	40,5	47.L	365	5	¥3,2	50.4	3412
3	(A),2	¥9,t	346	6	45.4	51,2	35,4

Averaging Period :

Monitoring Location:

Overall Leq (30 min) 67.6 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*		dB(A)
------------------------------------	------------------------------	-------	---------------------------	--	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 10/2019 Date:

Checked By:	(Signature) Ia'
	(Name) Fai So
Date:	5-10-2019

1125

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	5/10/2219
Project No.	1062
Station ID No.	K3a

(Day) Evening / Night Time Period 1 Equipment Name =52 Equipment No. GROP

2. WEATHER

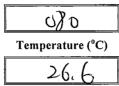
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil	~			
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

CITERDICITION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	966
Calibrator Serial No	ETRO 82	Final Calibration Reading, dB(A)	9460

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO		Description of Observation					
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic									
Aircraft		$\overline{\mathcal{S}}$							
Animals		$\overline{\checkmark}$							
Other Sources		\checkmark							

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS					
Start Time	11258	Stop	Time	(2-28	
Readings (Fast Response)	Averaging J Monitoring L		5 mir 1 meter	nutes 30 minutes from façade Free field	

Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	47.7	50,6	35,(4	45.6	48.6	345
2	46,6	49,9	347	5	47.1	4910	34,6
3	422	5015	35.6	6	45.1	47.5	346

Overall Leq (30 min) 46 6 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
* If free field is ticked 2dD is need to add	for correction			

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 51101 Date: 201 9

Checked By:	(Signature)	
	(Name) Fai So	
Date:	5-10-2019	

1.

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

GENERAL

1062
N3a

Time Period	Day / Evening / Night
Equipment Name	N-52
Equipment No.	FROIL

2. WEATHER

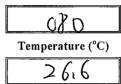
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tic	k)
Nil	
Trace (< 1 mm)	
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

J. CALIDIATION			
Calibrator Model	BK4251	Initial Calibration Reading, dB(A)	2460
Calibrator Serial No	Eloji	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic		$\boldsymbol{\checkmark}$							
Aircraft		V							
Animals	ン		χ						
Other Sources		\checkmark							

Sample	Observation	Sample	Observation
1	<u> </u>	4	
2		5	
3		6	

	5. RESUL	LTS		<u> </u>				
ĺ	Start Time		172(4		Stop Time	1	7244	
]	Readings (Fast H	Response)	Ν	Averaging Per Ionitoring Loca		ites 🚺	30 minutes Free field	
	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
	1	69.8	624	345	4	41.6	49.7	31,2
	2	43,6	49,5	632.9	5	47.3	51.2	33,4
	3	455	50.4	33,8'	6	42,3	49.2	3/1
					p			
	Overall Leq			Average			Corrected	

dB(A)

* If free field is ticked, 3dB is need to add for correction

6Z. |

Sampled By: (Signature) (Name) 5 Date: 10/201 9

dB(A)

Checked By:	(Signature)	Jai		
	(Name)	Fai	Sa	
Date:		5-10-	2-19	

Corrected

Noise Level*

(30 min)

Baseline

Level

dB(A)

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	5/10/2019
Project No.	1062
Station ID No.	N4

Time Period	(Day) / Evening / Night
Equipment Name	N-52
Equipment No.	EQ011

2. WEATHER

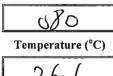
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)					
Nil					
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

o. chilibratitoit			
Calibrator Model	13K42>1	Initial Calibration Reading, dB(A)	eki
Calibrator Serial No	ERO82	Final Calibration Reading, dB(A)	920

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		レ							
Aircraft		レ	i.f.						
Animals	ζ		3951						
Other Sources		V							

Sample	Observation	Sample	Observation
1	861	4	
2		5	
3		6	

5. RESUL	/TS		
Start Time	9-25	Stop Time	9255

Readings (Fast F	Response)	N	Averaging Period : 5 minutes Monitoring Location: 1 meter from façade					
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	
1	69.0	46.1	36,2	4)9,2	4/15	35.5	
2	38.8	40is	35.6	5	39.3	416	35.8	
3	39,0	4.2	344	6	4/12	42.4	36.8	

Overall Leq (30 min) $b/2$ dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level* dB(A)	
-------------------------------------	------------------------------	-------	---------------------------------	--

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature)
	(Name) Fai So
Date:	t-lu -Zulq

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

GENERAL 1.

Date	5/10/2019
Project No.	1062
Station ID No.	N/4

Time Period	Day / Evening / Night
Equipment Name	R1-52
Equipment No.	FOOL

2. WEATHER

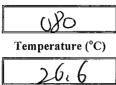
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

5. CALIDIATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	EQOSL	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic		V				•			
Aircraft		レ	L.						
Animals	\vee		JE						
Other Sources							_		

Sample	Observation	Sample	Observation
1	分句	4	
2		5	
3		. 6	

RESULTS 5.

Readings (Fast Response)

Start Time

14242

Stop Time

5 minutes

30 minutes Free field

15=13

い

		N	Aonitoring Loca	tion: 1 meter f	rom façade	Free field	*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	75.8	543	38,4	4	441	4910	37.2
2	502	53.0	381	5	46.4	518	3816
3	47.1	51,6	38.4	6	43.2	49.2	37.00

Averaging Period :

Overall Leq (30 min) b 8 0 dB(A)	Average Baseline dB(A) Level	Corrected Noise Level* dB(A)
-------------------------------------	------------------------------------	---------------------------------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 5 Date: 01201

Checked By:	(Signature)
	(Name) Fai Sc
Date:	5-10-2019

1.

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

GENERAL

Date	5/10/20(9)
Project No.	1062
Station ID No.	M

(pay)/ Time Period Evening / Night Equipment Name Equipment No. 10.01

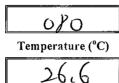
2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

Di Chembrathon			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9400
Calibrator Serial No	FROP2	Final Calibration Reading, dB(A)	Ctu

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

521

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\smile							
Road Traffic									
Aircraft		\checkmark	c d	<u></u>					
Animals	/		75	J					
Other Sources		V							

Sample	Observation	Sample	Observation
1	Star	4	
2		5	
3		6	

Averaging Period :

Monitoring Location:

RESULTS 5.

Readings (Fast Response)

Stop Time

5 minutes

1 meter from façade

30 minutes Free field

딦

L₉₀, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) L_{ea}, dB(A) L₁₀, dB(A) Sample Sample 9:0 4 1 P 2 5 3 2 6 C 0

Overall Leq (30 min) 67 , 1 $dB(A)$ Average Baseline Level $dB(A)$	Corrected Noise Level* dB(A)
---	---------------------------------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature)	Fai.
	(Name)	Fai So
Date:	5-	0 -2-19

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

1. GENERAL	
Date	6/10/2019
Project No.	1062
Station ID No.	N

Time Period	(Day) / Evening / Night
Equipment Name	M-52
Equipment No.	EQOII

2. WEATHER

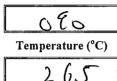
Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)			
Nil	レ		
Trace (< 1 mm)			
Low (1 - 10 mm)	*		
Medium (10 - 50 mm)	*		
High (> 50 mm)	*		

Wind Direction

Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

J. CALIDICATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	240
Calibrator Serial No	Faon	Final Calibration Reading, dB(A)	9760

Source	YES	NO	Description of Observation						
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		5							
Road Traffic		\checkmark							
Aircraft		\checkmark	L.A.	·					
Animals	~		ן בוצי	14					
Other Sources				人面					

Sample	Observation	Sample	Observation
1	XA	4	
2		5	
3		6	

5.	RESULTS			
Star	t Time	1. 226	Ston Time	

L 7 30 minutes **Readings (Fast Response) Averaging Period :** 5 minutes **Monitoring Location:** 1 meter from façade Free field L₉₀, dB(A) L₁₀, dB(A) L_{eq} , dB(A)L₁₀, dB(A) Sample L_{eq}, dB(A) L₉₀, dB(A) Sample 4 1 2 5 ን 2 5 6 3 3 6

Overall Leq (30 min) 59, (dB(A)	Average Baseline dB(/ Level	A) Corrected Moise Level* dB(A)
-------------------------------------	-----------------------------------	---------------------------------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date: 12019

Checked By:	(Signature)	_
	(Name) Fai So	
Date:	8-10-2019	

=06

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	6/10/2019
Project No.	1062
Station ID No.	\sim

Time Period Day / Evening / Night Equipment Name NL-52 Equipment No. Equipment No.

2. WEATHER

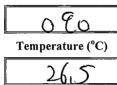
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)			
Nil	V		
Trace (< 1 mm)			
Low (1 - 10 mm)	*		
Medium (10 - 50 mm)	*		
High (> 50 mm)	*		
······································			

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

<u>J. CILIDICITION</u>			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9400
Calibrator Serial No	60.08)	Final Calibration Reading, dB(A)	qto

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

12-3

Source	YES	NO			Descri	ption of Obse	rvation	i	
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic		V							
Aircraft		ζ	<i></i>						
Animals	7		75	. 4					
Other Sources	レ			人名		•			
				-i					

Sample	Observation	Sample	Observation
1	松街	4	
2	<u> </u>	5	
3		6	

Averaging Period :

5. RESULTS

Readings (Fast Response)

Start Time

Sample

1

2

3

Stop Time

6

30 minutes

13=01

1

5-2

5 minutes

Overall Leq (30 min) $6/C$ Average Baseline LevelCorr Baseline Level	H Y dB(A)
---	-----------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date:

Checked By:	(Signature)	Ju:	
	(Name)	Fai, Ju	
Date:	8-	- lo -Zolg	

12

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	6/16/2019
Project No.	1062
Station ID No.	

(Day Time Period Evening / Night 1 K1-57 Equipment Name Equipment No. ten1

2. WEATHER

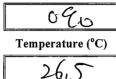
Wind Speed (tick)

Calm (< 1m/s)	IØ
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)					
\checkmark					
*					
*					
*					

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

UI UILIBIUIIIUI			
Calibrator Model	1314231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	EQ012	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

1523-

Source	YES	NO			Descri	ption of Obse	rvation	•	
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		$\overline{\mathbf{V}}$							
Road Traffic		レ							
Aircraft		\checkmark	61						
Animals	2		J\$]	. 4					
Other Sources				KE					

Sample	Observation	Sample	Observation
1	XEI	4	
2		5	
3		6	

=	RESULTS
<u>J.</u>	RESULIS

		1000	_
Start	Time		

Readings (Fast Response)

Stop Time

5 minutes

1 meter from façade

1620 N 30 minutes

Free field

L₁₀, dB(A) L_{eq}, dB(A) Sample Leg, dB(A) L₉₀, dB(A) Sample $L_{10}, dB(A)$ L₉₀, dB(A) 5 1 4 2 5 3 6 n

Averaging Period :

Monitoring Location:

Overall Leq (30 min)	6σ.ς dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
-------------------------	------------	------------------------------	-------	---------------------------	-------

Sampled By: (Signature) (Name) 8 (10/201 Date:

Checked By:	(Signature)
	(Name) Fai So
Date:	8-10-2019

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	6/10/2019
Project No.	1062
Station ID No.	N29

Time Period	Day / Evening / Night
Equipment Name	M-52
Equipment No.	60011

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

Wind Direction

[Direction from which wind originates] (degree)

090
Temperature (°C)
265

Note: * Do not sample under these conditions

3. CALIBRATION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	ER082	Final Calibration Reading, dB(A)	etto

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic		\checkmark							
Aircraft		~							
Animals		レ	· +						
Other Sources			KÆ						

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

ſ	5. RESUL	JTS	dera	<u>.</u>				<u> </u>
	Start Time 9 - 59				Stop Time	<u></u>	10-29	
F	Readings (Fast R	tesponse)	N	Averaging Per Ionitoring Loca		ıtes 🚺 rom façade 🗌	30 minutes Free field	
	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
		1100	1 0	1/2 V		[[]	0/11	110

. 1	4817	SOJ	42.4	4	4.3	463	40.5
2	45.2	496	4.3	5	453	48.1	40.7
3	¥2,4	4816	40.3	6	46.3	49.0	42.2
	·····						

Overall Leq (30 min) $4\xi, 4$ dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
---	------------------------------	-------	---------------------------	-------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Date: 20

Checked By:	(Signature)	, a
	(Name) Fai	Sa
Date:	8-10-	20/p

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	6/10/2019
Project No.	1062
Station ID No.	N2a

(Day / Evening / Night Time Period NL-52 Equipment Name EQ0#11 Equipment No.

2. WEATHER

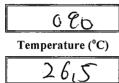
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil \checkmark Trace (< 1 mm) * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm)

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

J. CALIDICATION			
Calibrator Model	BK-4231	Initial Calibration Reading, dB(A)	9410
Calibrator Serial No	ECOPL	Final Calibration Reading, dB(A)	940

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic		レ							
Aircraft		レ							
Animals		\checkmark	(4					
Other Sources	V		$-\kappa$	8					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS				
Start Time 320	7 Stop Ti	me	13237	
Readings (Fast Response)	Averaging Period : Monitoring Location: 1	5 minutes	30 minutes Free field	

Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	4.8	\mathcal{P}_{1}	34.8	4	445	446	35.2
2	445	44,4	35.6	5	405	4200	343
3	41.2	42.2	345	6	43,1	ttio	340

Overall Leq (30 min)	43. dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
4 70.0 0 111					

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Ŷ Date: 201

Checked By:	(Signature)
	(Name) Fai So
Date:	8-10-2019

r

Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

1. GENERAL

Date	6/10/20/9
Project No.	10/2
Station ID No.	Ma

(Day)/ Evening / Night Time Period Equipment Name) 1 CADII Equipment No.

2. WEATHER

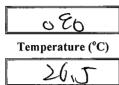
Wind Speed (tick)

Calm (< 1m/s)	Ø
Low (1–5 m/s)	1
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)		
Nil		
Trace (< 1 mm)	~	
Low (1 - 10 mm)	*	
Medium (10 - 50 mm)	*	
High (> 50 mm)	*	

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

of officient			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	60082	Final Calibration Reading, dB(A)	240

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

= 372

Source	YES	NO	Description of Observation						
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic		V		• •					
Aircraft		~							
Animals		$\overline{}$	14						
Other Sources	V		Λă	3					
			ľ						

Sample	Observation	Sample	Observation	
1	······	4		
2		5		
3		6		

5. RESULTS

Start Time	
------------	--

Readings (Fast Response)

Stop Time

5 minutes

16:00

レ

30 minutes	
Free field	∕*

Monitoring Location: 1 meter from façade L_{ea}, dB(A) L_{10} , dB(A)L₉₀, dB(A) Sample L_{eq}, dB(A) L10, dB(A) L₉₀, dB(A) Sample 2 4 1 2 5 3 6

Averaging Period :

Overall Leq (30 min) $(2, 30 \text{ dB}(A))$	Average Baseline Level	dB(A)	Corrected Noise Level*	, ⁱ , dB(A)
--	------------------------------	-------	---------------------------	------------------------

Sampled By: (Signature) (Name) Ø Date:

Checked By:	(Signature) Su
	(Name) Fai So
Date:	8-10-2019

1.

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

Date	6/10/2019
Project No.	1062
Station ID No.	$\Lambda/3a$
Station ID No.	<u> (3a</u>

Time PeriodDayEvening / NightEquipment NameNL-52Equipment No.EQUID

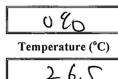
2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil Trace (< 1 mm)</td> Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

<u>.</u>			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9413
Calibrator Serial No	62082	Final Calibration Reading, dB(A)	étro

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\checkmark							
Road Traffic									
Aircraft		$\overline{\mathbf{V}}$		·					
Animals	V)B	J		-			
Other Sources	•	V							

Sample	Observation	Sample	Observation
1	TE	4	
2		5	
3		6	

5. RESULTS

Readings (Fast Response)

Start Time

(1=(9

Averaging Period :

Monitoring Location:

Stop Time

5 minutes

1 meter from façade

11=49

4

30 minutesFree field

L_{eq}, dB(A) L₉₀, dB(A) L_{eq}, dB(A) L₉₀, dB(A) Sample L₁₀, dB(A) Sample L₁₀, dB(A) 1 4 Ω 2 $\varphi_{,O}$ 5 5 ζ 6 3 0

Overall Leq (30 min)	64.1	dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)

Sampled By:	(Signature)	WAT
	(Name)	utj
Date:		8/10/2019

Checked By:	(Signature) FG
	(Name) Fai So
Date:	8-10-2019

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	6/16/2019
Project No.	1062
Station ID No.	N3a

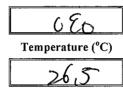
Time PeriodDay/ Evening / NightEquipment NameNL-52Equipment No.EQD11

2. WEATHER

Wind Speed (tick)				
Calm (< 1m/s)	~			
Low (1–5 m/s)				
Medium (5–10m/s)	*			
High (> 10 m/s)	*			

Rainfall (tick) Nil ✓ Trace (< 1 mm)</td> ✓ Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

CI CHEIDIUTTION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9415
Calibrator Serial No	Gany2	Final Calibration Reading, dB(A)	9×10

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

1(=50

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		\mathcal{S}							
Road Traffic		5							
Aircraft		2	Ka						
Animals	\checkmark		X6						
Other Sources		V	,						

Sample	Observation	Sample	Observation
1	75	4	
2		5	
3		6	

5. RESULTS

Readings (Fast Response)

Start Time

Averaging Period :

Stop Time

5 minutes

30 min

12-20

iutes	
field	

Monitoring Location: 1 meter from façade 🔢 Free field L_{eq}, dB(A) Sample L₁₀, dB(A) L₉₀, dB(A) Sample , dB(A) L_{10} , dB(A)L₉₀, dB(A) L 4 1 O 2 5 $\langle \cap$ 3 6 Y-2

Overall Leq (30 min) ξ 7, b dB(A)Average Baseline LeveldB(A)	Corrected Noise Level* dB(A)
--	---------------------------------

Sampled By: (Signature) (Name) 8 Date: 9 101201

Checked By:	(Signature)
	(Name) Fai So
Date:	8-10-20101

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	6/10/2019
Project No.	1062
Station ID No.	N/39

Time PeriodDay / Evening / NightEquipment Name $\mathcal{M} - 52$ Equipment No.EQUI

2. WEATHER

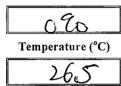
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	~
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (ticl	()
Nil	
Trace (< 1 mm)	V
Low (1 - 10 mm)	*
Medium (10 - 50 mm)	*
High (> 50 mm)	*

Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

<u> </u>			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	2415
Calibrator Serial No	FROP2	Final Calibration Reading, dB(A)	940

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation									
Road Traffic		\checkmark							
Aircraft									
Animals	V		12/3						
Other Sources									

Sample	Observation	Sample	Observation
1	3151	4	
2	<u>_</u>	5	
3		6	

5. RESULTS Start Time (6-21) Stop Time (6-24)

Readings (Fast R	esponse)	N	Averaging Peri Ionitoring Locat		ites view façade	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	67.1	515	3200	4	44.9	475	30,0
2	45,4	485	31.8	5	420	467	30,6
3	4/1	47.0	304	6	425	463	3015

Overall Leq (30 min) 59,4	dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
* TEE C. 14 1. 41.1 4. 2 JT	1. 1.				

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature)

(Name) 1012019

Checked By:	(Signature)	Jai		
	(Name)	Fai	Su	
Date:	8-	lo -Zel	9	

Date:

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	6/6/2019
Project No.	1062
Station ID No.	NY NY

Time PeriodPay / Evening / NightEquipment Name1-52Equipment No.EQ0(1)

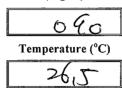
2. WEATHER

Wind Speed (tick) Calm (< 1m/s)</th> ✓ Low (1–5 m/s) ✓ Medium (5–10m/s) * High (> 10 m/s) *

Rainfall (tick)				
Nil	V			
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			



[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	FROX2	Final Calibration Reading, dB(A)	940

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descrij	ption of Obse	rvation		
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		1							
Road Traffic		\checkmark							
Aircraft		\checkmark	16						
Animals	V		186						
Other Sources		レ			<u>.</u>				

Sample	Observation	Sample	Observation
1	AS.	4	
2		5	
3		6	

5. RESULTS

Start Time

9-15

Stop Time

Readings (Fast Response) Averaging Period : 5 minutes 30 minutes 1 meter from façade Free field **Monitoring Location:** L_{eq}, dB(A) L₁₀, dB(A) Sample L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample L₉₀, dB(A) 1 4 2 5 2 EO is 6 3

Overall Leq (30 min)(J2, b)dB(A)Average Baseline LeveldB(A)Corrected Noise Level*dB

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 012019 Date:

Checked By:	(Signature) Jaj
	(Name) For So
Date:	8-10-2019

9=45

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL

Date	6(101249
Project No.	1062
Station ID No.	Λ/Ψ

Time Period	Day / Evening / Night
Equipment Name	NL-52
Equipment No.	FQD11

2. WEATHER

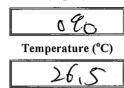
Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick) Nil ✓ Trace (< 1 mm)</td> * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *

Wind	Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

3. CALIBRATION

er eraandra era era			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	240
Calibrator Serial No	FRO X1	Final Calibration Reading, dB(A)	9th

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

249

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic									
Aircraft		\checkmark	16.						
Animals	レ		14						
Other Sources		\checkmark							

Sample	Observation	Sample	Observation
1	351	4	
2		5	A/KJ
3		6	

5. RESULTS

Start Time	
------------	--

ū **Readings (Fast Response) Averaging Period :** 5 minutes 30 minutes Free field **Monitoring Location:** 1 meter from façade L₁₀, dB(A) L_{eq}, dB(A) L₉₀, dB(A) L_{eq}, dB(A) Sample L₁₀, dB(A) Sample L₉₀, dB(A) 1 4 1.6 5 2 3 b 3 6 32

Stop Time

	Overall Leq (30 min)	61 1	dB(A)	Level		Corrected Noise Level*	dB(4
--	-------------------------	------	-------	-------	--	---------------------------	------

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) Ø 1201 Date:

Checked By:	(Signature) Su
	(Name) Fai So
Date:	8-10-2019

4219

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

GENERAL

1. GENERAL	
Date	6/10/2019
Project No.	10/2
Station ID No.	NY

Evening / Night Time Period Day 1 Equipment Name 1-52 Equipment No. R

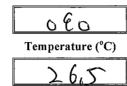
2. WEATHER

Wind Speed (tick)				
Calm (< 1m/s)	Ŕ			
Low (1–5 m/s)	V			
Medium (5–10m/s)	*			
High (> 10 m/s)	*			

Rainfall (tick)					
Nil	Ŷ				
Trace (< 1 mm)					
Low (1 - 10 mm)	*				
Medium (10 - 50 mm)	*				
High (> 50 mm)	*				

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

3 CALIBRATION

U. CITAIDIUTTION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	9410
Calibrator Serial No	62082	Final Calibration Reading, dB(A)	EHS

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		\vee	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic		レ							
Aircraft		V		•					
Animals	ン		X	2]					
Other Sources		$\mathbf{V}_{\mathbf{r}}$	- 0						

Sample	Observation	Sample	Observation
1	887	4	
2		5	
3		6	

RESULTS 5.

Readings (Fast Response)

Start Time

4221

Stop Time

5 minutes

1 meter from façade

30 minutes

14=51

U

Free field

L_{eq}, dB(A) L₁₀, dB(A) L_{eq}, dB(A) L₉₀, dB(A) L_{10} , dB(A)L₉₀, dB(A) Sample Sample 1 Q 4 T ٤. 5 2 37 3 2 8 6 3 600

Averaging Period :

Monitoring Location:

Overall Leq (30 min) $\theta \sigma_{\lambda} \theta$ dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
--	------------------------------	-------	---------------------------	-------

Sampled By: (Signature) (Name) Date: n/201

Checked By:	(Signature) H	
	(Name) Fair Su	
Date:	8-10-2019	

lies

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL	
Date	7-10-2019
Project No.	1067
Station ID No.	AL I

Time Period	Pay / Evening / Night
Equipment Name	BK 2230
Equipment No.	GOOD

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

 Nil
 ✓

 Trace (< 1 mm)</td>
 *

 Low (1 - 10 mm)
 *

 Medium (10 - 50 mm)
 *

 High (> 50 mm)
 *

Rainfall (tick)

Wind Direction
[Direction from which wind originates] (degree)
090
Temperature (°C)
26.4

Note: * Do not sample under these conditions

3. CALIBRATION

			<u> </u>
Calibrator Model	C75.	Initial Calibration Reading, dB(A)	94.0
Calibrator Serial No	6039	Final Calibration Reading, dB(A)	94,0

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obser	rvation		
Construction Activities		1/	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
			Breaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Facilities Operation		V							
Road Traffic		V							
Aircraft		V			···· ····				
Animals	V	18 C	,009						
Other Sources			human						

Sample	Observation	Sample	Observation
1		а,	
2		5	
3		6	

5. RESULTS Start Time N2/4 Stop Time 1024 9 Readings (Fast Response) Averaging Period : 5 minutes Monitoring Location: 1 meter from facade Free field 1*

				······		<u>لا</u>
$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	Leq, dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
. 55.5	585	39.5	4	46,4	47.5	460
49,6	48,0	400	5	46.5	48,0	44.5
53,5	49.5	45,5	6	45,4	46.0	44.0
	- 55,5 49,6 E2 5	55.558.5 49.6 49.6 48.0 62.5 10.6	55.5 58.5 38.5 49.6 48.0 40.0 E2.5 10 6 16 F	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{c c c c c c c c c c c c c c c c c c c $

Overall Leq (30 min)	51, 2 dB(A		Average Baseline Level	dB(A)		Corrected Noise Level*	1	dB(A)
* If free field is	ticked, 3dB is need	to add for correc	tion					
Sampled By:	(Signature)	Ho		Checked By:	(Signa	ature) Fa		
	(Name)	10			(Nam	e) Fais	J	
Date:	74	5-209.		Date:		7-10-20	ia	

Wind Direction

[Direction from which wind originates]

(degree)

090

Temperature (°C)

26,4

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL	
Date	7-1-5-2019
Project No.	1062
Station ID No.	N

Time Period	Day / Evening / Night
Equipment Name	BK2238
Equipment No.	Easo 6

*

*

*

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

3.	CALIBRATION			
Calil	orator Model	NC 75	Initial Calibration Reading, dB(A)	94,0
Calil	orator Serial No	EQ 089	Final Calibration Reading, dB(A)	94,0

· Nil Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			Descri	ption of Obse	rvation		<u> </u>
Construction Activities		./	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
	<u> </u>		Breaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Facilities Operation		V							
Road Traffic		V.					<u> </u>		
Aircraft		V			•••••••				
Animals	V		004						
Other Sources	V		human						

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

<u>5. RESUI</u>	TS	+/					
Start Time		15241		Stop Time		16=11	
Readings (Fast F	Response)	Ň	Averaging Per Ionitoring Loca		tes 🚺 om façade 🗌	30 minutes Free field	
Sample	L_{eq} , $dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	. 625	66,0	3, 8	4	48,7	4.J.O	37.0
2	40.5	44,0	35.5	5	40,4	41.5	35.5
3	3911	40,0	35,0	6	43,9	42,0	36.0
r							
Overall Leq	1+ 3		Average			Corrected	
(30 min)	55,0 d	B(A)	Baseline Level	dB(A)	Noise Level*	dB(A)
* If free field is	ticked, 3dB is ne	ed to add for corre	ction		<u>, </u>		
Sampled By:	(Signature)	10		Checked	By: (Signati	ure) In;	
	(Name)	H0			(Name)	Fai	Su
Date:		7-10-2019		Date:		7-1-20	

Rainfall (tick)

Wind Direction

[Direction from which wind originates]

(degree)

090

Temperature (°C)

26,4

**{

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

Rainfall (tick)

·
7-10-2019
1062
NI /

Time Period	Bay / Evening / Night
Equipment Name	Blezzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzzz
Equipment No.	Ξωωί

*

*

*

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

3. CALIBRATION

CIADEDICZXXXCI			
Calibrator Model	NC75	Initial Calibration Reading, dB(A)	94,0
Calibrator Serial No	Gli 089	Final Calibration Reading, dB(A)	94.0

· Nil Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			Descri	ption of Obser	rvation	<u> </u>	
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		V	Breaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Facilities Operation									
Road Traffic		V							
Aircraft		V			· · · ·				
Animals	1/1		004				·····		··· <u>··································</u>
Other Sources	V		human						

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

RESULTS

Start Time		6:13		Stop Time	/6	:43	
Readings (Fast F	lesponse)	M	Averaging Peri Ionitoring Locat		ites 🗹 rom façade 🗌	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	. 65.9	69,5	37,5	4	41,8	43,0	37.5
2	40.0	4/10	39,5	5	40,1	41,5	36.5
3	40.3	43,5	32,0	6	43,0	45.5	38,0
Overall Leq (30 min)	58,2 dB	(A)	Average Baseline Level	dB((A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is nee	d to add for corre	ction				
Sampled By:	(Signature)	-10		Checked	By: (Signat	ture) Sa;	

Sampled By:	(Signature)	 Ø

(Name)

9

0

Date:

Date:

So

Fai

(Name)

Wind Direction

[Direction from which

wind originates] . (degree)

090

Temperature (°C)

<u>}</u>

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

Rainfall (tick)

1. GENERAL	
Date	7-10-2019
Project No.	1062
Station ID No.	A/2a

Time Period	Day / Evening / Night
Equipment Name	Dk 2233
Equipment No.	60006

*

×

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

3. CALIBRATION

CITEDEDICIAL CIT			<u> </u>
Calibrator Model	Nets	Initial Calibration Reading, dB(A)	44,0
Calibrator Serial No	50039	Final Calibration Reading, dB(A)	94.D

· Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO			Descri	ption of Obser	rvation		
Construction Activities		1	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
			Breaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Facilities Operation		V							
Road Traffic		1							
Aircraft		1/	1 .		·····	*****	·····		
Animals			day						
Other Sources	V		hinnen					······································	

Sample	Observation	Sample	Observation
1		Q.	
2		5	
3		6	

5. RESUL	TS	<u></u>					
Start Time		9:42		Stop Time		10=12	
Readings (Fast F	esponse)	M	Averaging Per Ionitoring Loca		tes 🛛 🖓 om façade 🗌	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	. 61.3	65,0	Foit	4	43.5	46.5	41.0
2	ASA	51,5	38,0	5	43,5	44,5	41.5
3	424	-A3,5	41,0	6	43,3	45.5	40.5
	· · · · · · · · · · · · · · · · · · ·						
Overall Leq	l lu ar		Average	ID		Corrected	
(30 min)	54°0 de	, (A)	Baseline Level	dB(A)	Noise Level*	dB(A)
* If free field is	ticked, 3dB is nee	d to add for corre	ction	1/2 <u></u>		<u></u>	
Sampled By:	(Signature)	Hp		Checked	By: (Signat	ure) Ju	
	(Name)	10			(Name)	Fai	SJ
Date:	7-1	0-2019		Date:		7-10-7010	a

Version No.: 01

Wind Direction [Direction from which

wind originates]

690

21n

(degree)

Temperature (°C)

aues

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

Rainfall (tick)

1-10-2019
1062
N2

Time Period	Day / Evening / Night
Equipment Name	BKZZ38
Equipment No.	EQ 806

*

*

*

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

3. CALIBRATION

CILIDEDICIX A LOIT			0 1
Calibrator Model	NC75	Initial Calibration Reading, dB(A)	94.0
Calibrator Serial No	54089	Final Calibration Reading, dB(A)	99,0
	(

· Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obser	rvation		
Construction Activities		. (Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		V	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic		V,							
Aircraft		V	6						
Animals	V		00,4						
Other Sources	V		human						

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

<u>5. RESUL</u>	Contraction of the local division of the loc					(
Start Time	2	f230		Stop Time		5200	
Readings (Fast F	lesponse)	M	Averaging Peri Ionitoring Locat		tes 🗍	30 minutes Free field	
Sample	Leg, dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L90, dB(A)
1	. 6(.5	65.5	40.0	4	42.8	47.0	41.5
2	94,6	47.0	38.8	5	40.4	43.5	39,5
3	40.6	4f,8	foit	б	43.8	44,0	41.5

Overall Leq (30 min)	54.0	dB(A)		Average Baseline Level	dB(A)			rected Level*	л н	dB(A)
* If free field is	ticked, 3dB is	s need to ad	d for correc	otion		c				
Sampled By:	(Signature)	[-	10		Checked By:	(Signa	ature)	Fa	L	
1	(Name)	1-1	0			(Nam	e)	Fai	So	
Date:		7-10-	2017		Date:		7-	10 -20	19	

.

Wind Direction [Direction from which

wind originates]

(degree)

690

Temperature (°C)

6,4

lies

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

Rainfall (tick)

1. GENERAL	
Date	7-10-2019
Project No.	1062
Station ID No.	N2

Time Period	Day / Evening / Night
Equipment Name	BKZZSZ
Equipment No.	56006

*

*

*

2.WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1-5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

3. CALIBRATION

CITIDADAUXAROIT			\sim
Calibrator Model	NC75	Initial Calibration Reading, dB(A)	94,0
Calibrator Serial No	- GQ039	Final Calibration Reading, dB(A)	97.0

· Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

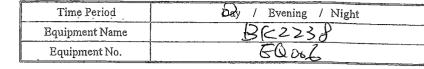
Source	YES	NO			Descri	ption of Obser	rvation		<u> </u>
Construction Activities		1/	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		1/	Breaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Facilities Operation					· · · · · · · · · · · · · · · · · · ·				
Road Traffic									
Aircraft					· · · · · · · · · · · · · · · · · · ·	-			
Animals			609						
Other Sources			human		· · · · · · · · · · · · · · · · · · ·				

Sample	Observation	Sample	Observation
Ĩ		4	
2		5	
3		6	

5. RESUL	TS	16					
Start Time		15:01		Stop Time		15-31	
Readings (Fast R	esponse)	N	Averaging Per Ionitoring Loca		tes 🛛 🛛 om façade 🗍	30 minutes Free field	
Sample	L _{eq} , dB(A)	L_{10} , $dB(A)$	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	. 60.4	68.2	39,0	4	43,9	46,0	39.5
2	49.3	50,5	38.0	5	42.9	44.5	41,0
3	43.2	45, Z	38,0	6	47.9	49.0	
				······································			
Overall Leq (30 min)	53.4 dB	(A)	Average Baseline Level	dB(.	A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is nee	d to add for corre	ection				
Sampled By:	(Signature)	+-10		Checked	By: (Signat	ure) Suj	
	(Name)	40			(Name)	tai !	Sa
Date:	7-	(0-2019		Date:	· · · · · · · · · · · · · · · · · · ·	7-1-2019	

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL	O.
Date	7-10-2019
Project No.	1462
Station ID No.	NBa



2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

CAT INDATION 2

J. CALIDIALION			
Calibrator Model	N (75	Initial Calibration Reading, dB(A)	44.0
Calibrator Serial No	66089	Final Calibration Reading, dB(A)	94,0

4 **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

Source	YES	NO			Descri	ption of Obser	rvation		
Construction Activities		1	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
			Breaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Facilities Operation		V	-						
Road Traffic		1							
Aircraft		V	(·····	••••••••••••••••••••••••••••••••••••••			
Animals	V		009	- t t t					
Other Sources	\checkmark		human						

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESULTS

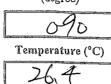
Start Time		11-10		Stop Time		11=40	
Readings (Fast R	lesponse)	N	Averaging Per Ionitoring Loca		tes 🗹 om façade 🗌	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	63.8	66.5	41.5	4	42.5	43,0	42,0
2	46,9	44,0	40.0	5	44,(45,0	42,5
3	53.8	49.5	41,0	6	43.8	44.5	42.0
Overall Leq (30 min)	50.0	B(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
* If free field is	ticked, 3dB is nee	ed to add for corre	ection				
Sampled By:	(Signature)	Ho		Checked	By: (Signat	ure) Jaj	
	(Name)	10			(Name) Fai S	ď
Date:	7-1	0-2019		Date:		7-10-2019	

·Nil	\checkmark
Trace (< 1 mm)	
Low (1 - 10 mm)	
Medium (10 - 50 mm)	
High (> 50 mm)	

Rainfall (tick)



⁽Direction from which wind originates] (degree)



Wind Direction (Direction from which

wind originates]

(degree)

090

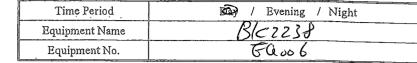
Temperature (°C)

AUES

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

Rainfall (tick)

7-10-2019
1062
NJa



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1

2. WEATHER

Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

3. CALIBRATION

fe				
	Calibrator Model	NC75	Initial Calibration Reading, dB(A)	94.0
	Calibrator Serial No	62089	Final Calibration Reading, dB(A)	940

· Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities		1/	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		V,	Breaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Facilities Operation		V							
Road Traffic		V							
Aircraft		V		· · · · · · · · · · · · · · · · · · ·	······································	· · · · · · · · · · · · · · · · · ·			
Animals	V,		dug				*******		
Other Sources			human						

Sample	Observation	Sample	Observation
1	•	4	
2		5	
3		6	

5. RESUL	TS	<u> </u>				1-17	
Start Time		6:51		Stop Time		1 - 21	
Readings (Fast R	lesponse)	M	Averaging Peri Ionitoring Locat		tes 🛛 🖓 rom façade 🗌	30 minutes Free field	
Sample	Leq, dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	63,4	61.5	38.5	4	41.3	43,0	39.0
2	48,6	0,12	39.5	5	4/10	41.5	39,5
3	47.1	51.5	39.f	6	40.5	41,5	38,0
Overall Leq	14 0 00		Average			Corrected	
(30 min)	55.1	B(A)	Baseline Level	dB(A)	Noise Level*	dB(A)
* If free field is	ticked, 3dB is nee	ed to add for corre	ction				· · · · · · · · · · · · · · · · · · ·
Sampled By:	(Signature)	140		Checked	By: (Signat	ure) Fq	
	(Name)	1-10			(Name)	Fai	Su

Date:

Version Nò.: 01

Date:

105- G

7-10-2011

Wind Direction

[Direction from which wind originates]

(degree)

Temperature (°C)

26.4

690

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AUES

Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

Rainfall (tick)

	1. GENERAL		
	Date	7-10-2019	
	Project No.	1062	
	Station ID No.	NBa	
1			

Time Period	Day / Evening / Night
Equipment Name	BKZZSS
Equipment No.	Edoob

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2. WEATHER

Wind	Speed	(tick)
	1	

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

3. CALIBRATION	<u>a</u>		
Calibrator Model	WC (5	Initial Calibration Reading, dB(A)	44.0
Calibrator Serial No	66089	Final Calibration Reading, dB(A)	94,0

· Nil Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obser	rvation		
Construction Activities		1/	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
			Breaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Facilities Operation									
Road Traffic		V	1						
Aircraft		V	A		······································				····-
Animals	V		609	· · · · · · · · · · · · · · · · · · ·	*= <u></u> * *****		**********************		
Other Sources	V		human				_* ·		

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESUL	TS	*1					
Start Time		$1 \neq 24$		Stop Time		17254	
Readings (Fast R	lesponse)	M	Averaging Per Ionitoring Loca		ites 🛛 🖓	30 minutes Free field	□ ↓*
Sample	$L_{eq}, dB(A)$	L_{10} , $dB(A)$	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L90, dB(A)
1	. 59.3	63,5	37,£	4	42,7	44.5	38.0
2	40,4	42,0	38,5	5	44.3	4,52	37.5
3	41.7	43,0	37.0	6	40.3	42,0	38,5
ſ= <u></u>		· · · · · · · · · · · · · · · · · · ·		,			
Overall Leq			Average			Corrected	
(30 min)	1 21/1	(A)	Baseline Level	dB((A)	Noise Level*	dB(A)
* If free field is ticked, 3dB is need to add for correction							

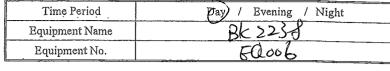
Sampled By:	(Signature)	1-10	
	(Name)	1-10	
Date:		1-10-2019	

Checked By:	(Signature)	Fai	1	
	(Name)	Fgi	So	
Date:	7	1-10-2	-19	

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Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

1. GENERAL	A	
Date	7-10-2019	Time Period
Project No.	1062	Equipment Name
Station ID No.	N4	Equipment No.



*

2. WEATHER

Wind Speed (tick)

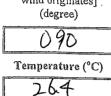
Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)

Trace (< 1 mm)	
Low (1 - 10 mm)	
Medium (10 - 50 mm)	
High (> 50 mm)	

Wind Direction
[Direction from which wind originates]
mine originates

. . .



Note: * Do not sample under these conditions

3. CALIBRATION

OT CIADADICIALOIT			^
Calibrator Model	NCTS	Initial Calibration Reading, dB(A)	94.0
Calibrator Serial No		Final Calibration Reading, dB(A)	94.0

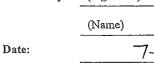
4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obser	rvation		
Construction Activities		1	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		V	Breaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Facilities Operation		\mathbf{V}							
Road Traffic		\checkmark							
Aircraft		V	1	· ·	· · · · ·	· · · · · · · · · · · · · · · · · · ·			
Animals	V/	,	009	· · · · · · · · · · · · · · · · · · ·					
Other Sources			humen			····			

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

5. RESUL	LTS	<u>A 1</u>					
Start Time		920		Stop Time		9231	
Readings (Fast I	Response)	.` M	Averaging Per Ionitoring Loca		ites 🛛 🗹 'om façade 🗌	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	68.9	70.5	36,5	4	522	56.0	43.0
2	468	5015	38,0	5	48.5	53,0	×1.5
3	46.3	57,5	38.5	6	56.7	550	4215
		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~		·····			
Overall Leq	4 d	3(A)	Average Baseline	dB(		Corrected	
(30 min)	61.4-4		Level	(un)	FA)	Noise Level*	dB(A)
* If free field is	sticked, 3dB is nee	ed to add for corre	ction				
Sampled By:	(Signature)	11_		Checked	By: (Signa	ture) Ju.	

Sampled By:	(Signature)	15
	(Name)	F-10
Date:		7-10-2019



Sa

-2019

Wind Direction

[Direction from which wind originates]

(degree)

090

Temperature (°C)

2

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### Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

Rainfall (tick)

1. GENERAL	
Date	1-10-2017
Project No.	1062
Station ID No.	N4

Time Period	Day / Evening / Night
Equipment Name	B1c2233
Equipment No.	59.006

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*

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 $\mathcal{V}$ 

2. WEATHER

### Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

2		
э.	CALIBRATION	

-

6	CIADIDACIAL OI			•
	Calibrator Model	Ne75	Initial Calibration Reading, dB(A)	94,0
	Calibrator Serial No	56039	Final Calibration Reading, dB(A)	94.0

· Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

### 4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

Source	YES	NO			Descri	ption of Obser	rvation		
Construction Activities		1/	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		V /	Breaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Facilities Operation		V.							
Road Traffic		V	1						
Aircraft		V			•		·····		
Animals	V		doolg						····
Other Sources	$\checkmark$		hunan		~~~~~	······································			·····

Sample	Observation	Sample	Observation
1		Q.	
2		5	
3		6	

<u>5. RESUL</u>	TS	-12				•	
Start Time		13213		Stop Time		134	3
Readings (Fast F	esponse)	M	Averaging Per Ionitoring Loca		tes 🚺 om façade 🗌	30 minutes Free field	
Sample	$L_{eq}, dB(A)$	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	· (9013	64.5	38.5	4	40.2	425	37.5
2	2923	45,0	3810	5	39.4	41,0	37.5
3	39.9	41.5	37.5	6	468	46.5	37,0
[							
Overall Leq			Average			Corrected	5 % (s)
(30 min)	52.8 de	B(A)	Baseline Level	dB(	A)	Noise Level*	dB(A)
* If free field is	ticked, 3dB is nee	ed to add for corre	ection				
Sampled By:	(Signature)	170		Checked	By: (Signat	ure) Saí	
	(Name)	10			(Name)	Fai	S
Date:	7	-10-209		Date:		7-10-201	9

Wind Direction [Direction from which

wind originates]. (degree)

Temperature (°C)

D

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### Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

Rainfall (tick)

1. GENERAL	
Date	7-10-2019
Project No.	1062
Station ID No.	N4
· · · · · · · · · · · · · · · · · · ·	

Time Period	Day / Evening / Night
Equipment Name	BK2238
Equipment No.	60,002

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2. WEATHER

Wind Speed	(tick)
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Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5-10m/s)	*
High (> 10 m/s)	*

Note: * Do not sample under these conditions

3.	CALIBRATION
0.	CITTTTTTTTTTTTTTTT

OT AD ADAGAA COT			
Calibrator Model	NC75	Initial Calibration Reading, dB(A)	94.0
Calibrator Serial No	66089	Final Calibration Reading, dB(A)	940

· Nil

Trace (< 1 mm)

Low (1 - 10 mm)

Medium (10 - 50 mm)

High (> 50 mm)

### OBSERVED NOISE SOURCES DURING MONITORING (TICK) 4.

Source	YES	NO	Description of Observation						
Construction Activities		1/	Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
		V	Breaking	Cutting	Blasting	Backfilling	Demolition	Fornwork	unloading
Facilities Operation									
Road Traffic		V,				····			
Aircraft		V			· · · · · ·				•• • • • • • • • • • • • • • • • • • • •
Animals	VI		del				****	···· ··· ··· ··· ···	
Other Sources	V		human						

Sample	Observation	Sample	Observation
1		Ą	
2		5	
3		6	

### RESULTS 5.

Start Time		13245		Stop Time		<u></u>	14215	
Readings (Fast R	/ lesponse)	M	Averaging Per Ionitoring Loca		tes [ om façade		30 minutes Free field	
Sample	$L_{eq}$ , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A	1)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	58.3	60.0	41.5	4	41,2		42.0	38.0
2	52,6	\$5,5	39,0	5	44.7	- [	47.5	38.5
3	728	43,5	37.5	6	42,		44.5	38.5
Overall Leq (30 min)	31.1	3(A)	Average Baseline Level	dB(	A)	y y	Corrected oise Level*	dB(A)
* If free field is	ticked, 3dB is nee	ed to add for corre	ction			(		<u></u>
Sampled By:	(Signature)	10		Checked	By: (Sig	gnature	e) Jai	
	(Name)	Ma			(Na	ime)	Fail	) _e
Date:	7-	10-2019		Date:		~	7-10-2010	1

### Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

### 1. GENERAL

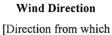
Date	8/10/2819
Project No.	1062
Station ID No.	$\sim$

# Time PeriodDay / Evening / NightEquipment Name/V(-52Equipment No.Equipment No.

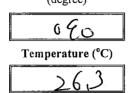
### 2. WEATHER

Wind Sp	eed (tick)
Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

)
*
*
*



wind originates] (degree)



Note:* Do not sample under these conditions

### 3. CALIBRATION

Di Chilibitation			
Calibrator Model	BK4251	Initial Calibration Reading, dB(A)	9 tw
Calibrator Serial No	62082	Final Calibration Reading, dB(A)	9Ro

### 4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

YES	NO	Description of Observation						
		Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
	レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
	V							
	7							
	2							
V		XB.	. /					
			人名		·	-		
		2 2 2 2	Piling       Breaking	Piling Mobilization Breaking Cutting	Piling Mobilization Drilling Breaking Cutting Blasting	Piling     Mobilization     Drilling     Excavation       Breaking     Cutting     Blasting     Backfilling       U     U     U     U	Piling     Mobilization     Drilling     Excavation     Dredging       Breaking     Cutting     Blasting     Backfilling     Demolition       U     U     U     U	Piling     Mobilization     Drilling     Excavation     Dredging     Concreting       Breaking     Cutting     Blasting     Backfilling     Demolition     Formwork       U     U     U     U     U     U

Sample	Observation	Sample	Observation
1	NET .	4	
2		5	
3		6	

### 5. RESULTS

Start	Time

 $(0^{2}4)$ 

Stop Time

R	eadings (Fast I	Response)	N	Averaging Peri Monitoring Locat		utes 🛛 🗹 from façade 🗌	30 minutes Free field	*
	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
	1	68.2	48.6	41.6	4	45,6	866	40.6
	2	43,5	46.2	40.2	5	40.6	(J.J.)	Korg
	3	43.0	426	39,5	6	46,4	K73	41.0

Overall Leq (30 min) $\int \mathcal{O}_{\chi} \zeta = dB(A)$	Average Baseline LeveldB(A)	Corrected Noise Level* dB(A)
-----------------------------------------------------------------	-----------------------------------	---------------------------------

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	UND1
	(Name)	WAT
Date:		8/10/2019

Checked By:	(Signature) FG,
	(Name) Fg So
Date:	8-10-2019

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### Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

### GENERAL

8/10/2019
1062
NI

# Time Period(Day) / Evening / NightEquipment NameNL-52Equipment No.EQ011

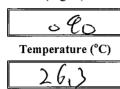
### 2. WEATHER

Wind Speed (tick)					
Calm (< 1m/s)					
Low (1–5 m/s)					
Medium (5–10m/s)	*				
High (> 10 m/s)	*				

# Rainfall (tick) Nil ✓ Trace (< 1 mm)</td> * Low (1 - 10 mm) * Medium (10 - 50 mm) * High (> 50 mm) *



[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

### 3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)	940

### 4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation Backfilling	Dredging Demolition	Concreting Formwork	Grabbing unloading
Facilities Operation		$\overline{\mathcal{V}}$	Breaking	Cutting	Blasting	Backfinning	Demontion	FOIMWOIK	unioading
Road Traffic		$\overline{\mathbf{V}}$							
Aircraft		~	10						
Animals	レ		10 j	X= 14					
Other Sources									

Sample	Observation	Sample	Observation
1	XA	4	
2	10 -	5	
3		6	

### 5. RESULTS

Start Time	
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**Readings (Fast Response)** 

13:23

Stop Time

5 minutes

30 minutes

13253

N

**Monitoring Location:** 1 meter from façade L_{eq}, dB(A) L₉₀, dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample Leq, dB(A) L₁₀, dB(A) Sample 1 4 5 2 -0.5 b 6 3 0  $\supset$ 

**Averaging Period :** 

Overall Leq (30 min) $\frac{1}{5}$ $\frac{1}{5}$ dB(A)	Average Baseline dB(A) Level	Corrected Noise Level* dB(A)
-----------------------------------------------------------	------------------------------------	---------------------------------

Sampled By: (Signature) (Name) 8 Date: 1)01

Checked By: (Signature) (Name) Date: 8 2019

### Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

### 1. GENERAL

Date	8/10/2019
Project No.	1062
Station ID No.	$\kappa_{21}$

Time Period	Day / Evening / Night
Equipment Name	NF 32
Equipment No.	EROLI

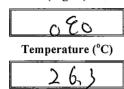
### 2. WEATHER

Wind Speed (tick)				
Calm (< 1m/s)				
Low (1–5 m/s)				
Medium (5–10m/s)	*			
High (> 10 m/s)	*			

Rainfall (tick)				
~				
- -				
*				
*				
*				

Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

### 3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	6082	Final Calibration Reading, dB(A)	940

### 4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities		1.	Piling Breaking	Mobilization Cutting	Drilling Blasting	Excavation Backfilling	Dredging Demolition	Concreting Formwork	Grabbing unloading
Facilities Operation						<u> </u>		I	
Road Traffic									
Aircraft				L.C	_		<u></u>		
Animals				× × × ×					
Other Sources			/.	Å					

Sample	Observation	Sample	Observation
1	(Xta	4	
2		5	
3		6	

5.	RESULTS

	_	
Start	Time	

**Readings (Fast Response)** 

(6:35

Stop Time

5 minutes 1 meter from façade

30 minutes

7205

 $\mathbb{V}$ 

Free field

L_{eq}, dB(A) L₁₀, dB(A) L_{eq}, dB(A) L₁₀, dB(A) L₉₀, dB(A) L₉₀, dB(A) Sample Sample 9.6 1 4 5 2  $b_{i}$ Ŷ 6 3 ß

**Averaging Period :** 

**Monitoring Location:** 

Overall Leq (30 min) $5\sigma_{1}$ $6$ dB(A)	Average Baseline dB(A) Level	Corrected Noise Level* dB(A)
-------------------------------------------------	------------------------------------	---------------------------------

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	WH
	(Name)	401
Date:		8/10/2019

Checked By:	(Signature)	Sai;		
	(Name)	Fai Su		
Date:	F-10-2019			

Version No.: 01

### Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

### GENERAL

1. GENERAL	
Date	8110/2019
Project No.	1062
Station ID No.	N2a

Time Period	Day / Evening / Night
Equipment Name	Mr. 52
Equipment No.	ERO[]

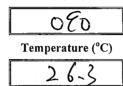
### 2. WEATHER

### Wind Speed (tick) Calm (< 1m/s)Low (1-5 m/s)* Medium (5-10m/s) * High (> 10 m/s)

Rainfall (tick)					
~					
*					
*					
*					

### Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

#### CALIBRATION 3

U CHEIDIUTTON			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	240
Calibrator Serial No	F12082	Final Calibration Reading, dB(A)	atu

### **OBSERVED NOISE SOURCES DURING MONITORING (TICK)** 4.

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		5							
Road Traffic		レ							
Aircraft									
Animals	152	$\checkmark$							
Other Sources	V		人子						

Sample	Observation	Sample	Observation
1	· · ·	4	
2		5	
3		6	

#### RESULTS 5.

Start Time
------------

Sample

**Readings (Fast Response)** 

10203

**Averaging Period :** 

**Monitoring Location:** 

L₉₀, dB(A)

Stop Time

Sample

4 5 minutes 1 meter from façade

L_{eq}, dB(A)

30 minutes /* Free field

10-33

L₁₀, dB(A) L₉₀, dB(A)

1 4 2 5 012 ) 3 6 46

(30 min) (00 0	Overall Leq (30 min) 46.6 dB(A	Level	dB(A)	Corrected Noise Level*	dB(A)
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* If free field is ticked, 3dB is need to add for correction

L_{eq}, dB(A)

L₁₀, dB(A)

Sampled By:	(Signature)	WAT	Checked By:	(Signature)	Sai	
	(Name)	UNI		(Name)	Fai So	
Date:		8 (10/2019	Date:	{	3-10-2019	

### Action-United Environmental Services & Consulting **Noise Monitoring (Field Data Sheet)**

### GENERAL

1. GENERAL	
Date	8/10/2019
Project No.	1062
Station ID No.	N2a

### Time Period (Day)/ Evening / Night Equipment Name 1-57 Л Equipment No. FRO

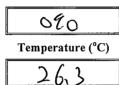
### 2. WEATHER

Wind Sp	eed (tick)
Calm (< 1m/s)	<u> </u>
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)		
Nil		
Trace (< 1 mm)		
Low (1 - 10 mm)	*	
Medium (10 - 50 mm)	*	
High (> 50 mm)	*	

### Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

### CALIBRATION

3. CALIBRATION		·	
Calibrator Model	BK42)(	Initial Calibration Reading, dB(A)	240
Calibrator Serial No	5Q082	Final Calibration Reading, dB(A)	exo.

### **OBSERVED NOISE SOURCES DURING MONITORING (TICK)** 4.

14204

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		V							
Road Traffic		$\checkmark$							
Aircraft		$\checkmark$					_		
Animals		<i>L</i>		1					
Other Sources			$\overline{\lambda}$	À					

Sample	Observation	Sample	Observation
. 1		4	
2		5	
3		6	

### 5. RESULTS

Start Time	
------------	--

V 30 minutes **Readings (Fast Response)** Averaging Period : 5 minutes **Monitoring Location:** 1 meter from façade Free field L₁₀, dB(A)  $L_{eq}$ , dB(A) L₁₀, dB(A) L₉₀, dB(A) Sample L_{eq}, dB(A) L₉₀, dB(A) Sample 1 4 0 0 2 5 २ 6 3 ħ ۱ ί.

Stop Time

Overall Leq (30 min)47 (1)dB(A)Average Baseline Level	Corrected Noise Level* dB(A)
-------------------------------------------------------------------	---------------------------------

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	us
	(Name)	u A1
Date:		8/10/2019

	(Nam
Date:	

Checked By:

(Signature)	La	<u> </u>	
(Name)	Fai	Sø	
8-	-10-2019	1	

(4-34

### Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

### GENERAL

8/10/2019
1062
NZa

Time Period	Day / Evening / Night
Equipment Name	M-52
Equipment No.	2001/

### 2. WEATHER

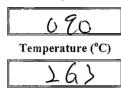
Wind Speed (tick)				
Calm (< 1m/s)				
Low (1–5 m/s)				
Medium (5–10m/s)	*			
High (> 10 m/s)	*			

Rainfall (tick)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

**•••••** 

### Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

#### 3 CALIBRATION

J. CALIDICATION			
Calibrator Model	BK-4231	Initial Calibration Reading, dB(A)	9400
Calibrator Serial No	60082	Final Calibration Reading, dB(A)	Etto

### **OBSERVED NOISE SOURCES DURING MONITORING (TICK)** 4.

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		レ							
Road Traffic									
Aircraft				G.C.					
Animals			<b>A</b>	4 JAJ					
Other Sources			K	P.					

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

### RESULTS 5.

l	Start Time		12-29		Stop Time	l	12-29
ŀ	Readings (Fast R	Response)	Γ	Averaging Per Monitoring Loca		utes 🛛 🗹 Trom façade 🗌	30 minutes Free field
	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)
	1	50.9	555	37.1	4	83	46.1

1	50.9	55.5	37.(	4	8.3_	46.1	34
2	447	43.9	361	5	40.6	43.6	34
3	38,5	40.7	34.2	6	422	453	34

Overall Leq (30 min)	45.   dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) 8 201

Checked By: (Signature) (Name) 8-10-2-19 Date:

Date:

SU

L₉₀, dB(A)

1.

### **Action-United Environmental Services & Consulting** Noise Monitoring (Field Data Sheet)

### GENERAL

Date	8/10/2019
Project No.	1062
Station ID No.	N3a

Time Period	(Day) / Evening / Night
Equipment Name	NA-57
Equipment No.	ERO(1

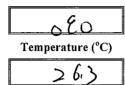
### 2. WEATHER

Wind Speed (tick)				
Calm (< 1m/s)				
Low (1–5 m/s)				
Medium (5–10m/s)	*			
High (> 10 m/s)	*			

Rainfall (tick)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			



[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

#### CALIBRATION 3.

	RK(1)1	Initial Calibration Reading, dB(A)	91/
Calibrator Model	DLPZJ	Initial Calibration Reading, dB(A)	- the
Calibrator Serial No	62082	Final Calibration Reading, dB(A)	atro

### 4. **OBSERVED NOISE SOURCES DURING MONITORING (TICK)**

Source	YES	NO			Descri	ption of Obse	rvation		
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		$\checkmark$	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		$\mathcal{C}$							
Road Traffic									
Aircraft		レ	CK.						
Animals	$\checkmark$		35						
Other Sources		V							

Sample	Observation	Sample	Observation
1	757	4	
2		5	
3		6	

### RESULTS 5.

**Readings (Fast Response)** 

Start Time

**Averaging Period :** 

**Monitoring Location:** 

1=22

Stop Time

5 minutes 1 meter from façade 30 minutes

11-52

Free field

Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	724	522	37.9	4	£6,7	41.5	37.5
2	396	428	3600	5	475	48.4	32.4
3	44X	47.2	36.4	6	44.2	46.4	16.7

Overall Leq (30 min)64,7dB(A)Average Baseline LevelCorrected Noise Level*	dB(A	.)
---------------------------------------------------------------------------------------	------	----

* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) R 1012019 Date:

Checked By:	(Signature) $fr$
	(Name) Fai Sc
Date:	8-10-7019

Version No.: 01

### Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

### 1. GENERAL

Date	8 (10/2019
Project No.	1062
Station ID No.	N3a

# Time PeriodDay / Evening / NightEquipment Name1-52Equipment No.FOOU

### 2. WEATHER

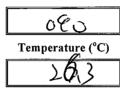
Wind Speed (tick)
-------------------

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)						
Nil						
Trace (< 1 mm)						
Low (1 - 10 mm)	*					
Medium (10 - 50 mm)	*					
High (> 50 mm)	*					

### Wind Direction

[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

### 3. CALIBRATION

er encontrition			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	940
Calibrator Serial No	EQ082	Final Calibration Reading, dB(A)	9 tho

### 4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

11=54

Source	YES	NO			Descri	ption of Obse	rvation	н 	
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		5							
Road Traffic		. /						-	
Aircraft		5							
Animals		$\boldsymbol{\mathcal{V}}$							
Other Sources									

Sample	Observation	Sample	Observation
1		4	
2		5	
3		6	

### 5. RESULTS

Start Time	

Readings (Fast F	Response)	л	Averaging Perio Monitoring Locat		utes <b>L</b>	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
. 1	451	47,5	36.7	4	50.7	52.4	37.6
2	46.7	49.1	362	5	47.2	515	376
3	4910	51.5	37.5	6	44.5	49.7	36.8

Stop Time

Overall Leq (30 min)	47,7 dB(A)		Average Baseline Level	dB(A)	Corrected Noise Level*	- 	dB(A)
# TCC C 111		1.0					

* If free field is ticked, 3dB is need to add for correction

Sampled By:	(Signature)	uNI
	(Name)	uni
Date:		8/10/2019

Checked By:	(Signature)
	(Name) Eq S
Date:	8-1-2019

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### Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

### 1. GENERAL

Date	8/10/2019
Project No.	1062
Station ID No.	N/39

Time Period	Day / Evening / Night
Equipment Name	AL-52
Equipment No.	20011

### 2. WEATHER

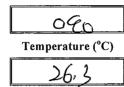
### Wind Speed (tick)

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)						
Nil	~					
Trace (< 1 mm)						
Low (1 - 10 mm)	*					
Medium (10 - 50 mm)	*					
High (> 50 mm)	*					

### Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

### 3. CALIBRATION

Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	Class
Calibrator Serial No	22082	Final Calibration Reading, dB(A)	Quin

### 4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO		Description of Observation					
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		5		·					
Road Traffic		$\checkmark$							
Aircraft		ζ	;	<u>^</u>					
Animals	レ		λ						
Other Sources	`	$\checkmark$							

Sample	Observation	Sample	Observation
1	XIX	4	
2		5	
3		6	

### 5. RESULTS

**Readings (Fast Response)** 

Start Time	
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7~(8 Ste

**Averaging Period :** 

**Monitoring Location:** 

op	Time	
		_

5 minutes 1 meter from façade 17=48

 30 minutes

 Free field

Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	80.2	61.4	37.2	4	4910	529	37.7
2	50.1	543	37.2	.5	50,7	Stif	36.3
3	487	SUL	35.9	6	YPio	52.4	365

Overall Leq (30 min)	72.4 dB(A)	Average Baseline Level	dB(A)	Corrected Noise Level*	dB(A)
* If free field in	tisted 2dD is need to ad				

Sampled By: (Signature) WAA 8/10/2019 (Name) Date:

Checked By:	(Signature)
	(Name) Fg; Sc
Date:	8-6-2-90

### Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

### 1. GENERAL

Date	8/10/2019
Project No.	1062
Station ID No.	N4

# Time PeriodDay/ Evening / NightEquipment Name///_____Equipment No.///_____

### 2. WEATHER

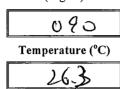
Wind Speed (tick)				
Calm (< 1m/s)	レ			
Low (1–5 m/s)				
Medium (5–10m/s)	*			
High (> 10 m/s)	*			

Rainfall (tick)			
Nil	~		
Trace (< 1 mm)			
Low (1 - 10 mm)	*		
Medium (10 - 50 mm)	*		
High (> 50 mm)	*		

**D** · · · · · · · ·



[Direction from which wind originates] (degree)



Note: * Do not sample under these conditions

### 3. CALIBRATION

Of Official Contraction			
Calibrator Model	BK-4231	Initial Calibration Reading, dB(A)	260
Calibrator Serial No	EROSL	Final Calibration Reading, dB(A)	TELO

### 4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

Source	YES	NO	Description of Observation						
Construction Activition			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities			Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		7				•			
Road Traffic		ζ							
Aircraft		<	JA						
Animals	V		13≥5						
Other Sources		V							

Sample	Observation	Sample	Observation
1	8/21	4	
2		5	
3		6	

### 5. RESULTS

Start Time	
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 $a \ge q$ 

Stop Time

Readings (F	ast Response)	]	Averaging Per Monitoring Loca		utes	30 minutes Free field	
Sample	e L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	65.4	88.9	36.1	4	40.2	46	345
2	38,5	43.6	240	5	42.3	41	340
3	UF12	- 44.9	35,6	6	481	5.1	345

Overall Leq $57.8$ dB(A) (30 min)	Average Baseline dB(A) Level	Corrected Noise Level* dB(A)
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* If free field is ticked, 3dB is need to add for correction

Sampled By: (Signature) (Name) R 2019 Date:

Checked By:	(Signature)	Jai	
	(Name)	Fgi Sc	
Date:	8	-10-2019	

 $q \ge \psi$ 

### Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

### 1. GENERAL

Date	8(10(2019
Project No.	1062
Station ID No.	NY

# Time PeriodDay / Evening / NightEquipment Name $\mathcal{M} - 5^2$ Equipment No. $\mathcal{K} \oplus \mathcal{M}$

### 2. WEATHER

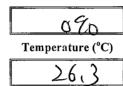
Wind	Speed	(tick)
------	-------	--------

Calm (< 1m/s)	
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)						
Nil	~					
Trace (< 1 mm)						
Low (1 - 10 mm)	*					
Medium (10 - 50 mm)	*					
High (> 50 mm)	*					

Wind Direction

[Direction from which wind originates] (degree)



15=16

Note: * Do not sample under these conditions

### 3. CALIBRATION

J. CALIDICATION			
Calibrator Model	BK+231	Initial Calibration Reading, dB(A)	9410
Calibrator Serial No	F.Q.012	Final Calibration Reading, dB(A)	9400

### 4. OBSERVED NOISE SOURCES DURING MONITORING (TICK)

4246

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		レ	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation	_	5							
Road Traffic		レ							
Aircraft		$\checkmark$	61	•					
Animals	レ		'SF2						
Other Sources									

Sample	Observation	Sample	Observation
1	76	4	
2		5	
3		6	

### 5. RESULTS

Start Time	
------------	--

Readings (Fast Response)			Averaging Per Ionitoring Loca		utes 🔽	30 minutes Free field	
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	64.5	47.7	348	4	44,2	43.6	34,8
2	47.6	495.6	349	5	48.2	46.2	35.6
3	47.2	45.4	33.8	6	46.6	45.6	33.4

Stop Time

Overall Leq (30 min) $57$ dB(A)	Average Baseline dl Level	B(A) Corrected Noise Level*	
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Sampled By:	(Signature)	UMA1	Checked By:	(Signature)	Sa.
	(Name)	WAI		(Name)	Fai So
Date:		8(10/2019	Date:	8	-10-2019

### Action-United Environmental Services & Consulting Noise Monitoring (Field Data Sheet)

#### GENERAL 1

I. ULITEITAD	
Date	8/10/2019
Project No.	1062
Station ID No.	NY

Time Period	Day / Evening / Night
Equipment Name	M-52
Equipment No.	60011

#### WEATHER 2.

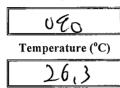
### Wind Speed (tick)

Calm (< 1m/s)	V
Low (1–5 m/s)	
Medium (5–10m/s)	*
High (> 10 m/s)	*

Rainfall (tick)				
Nil				
Trace (< 1 mm)				
Low (1 - 10 mm)	*			
Medium (10 - 50 mm)	*			
High (> 50 mm)	*			

### Wind Direction

[Direction from which wind originates] (degree)



Note:* Do not sample under these conditions

### 3. CALIBRATION

U. ORDIDICITION			
Calibrator Model	BK4231	Initial Calibration Reading, dB(A)	240
Calibrator Serial No	FQ082	Final Calibration Reading, dB(A)	Etio

### **OBSERVED NOISE SOURCES DURING MONITORING (TICK)** 4.

Source	YES	NO	Description of Observation						
Construction Activities			Piling	Mobilization	Drilling	Excavation	Dredging	Concreting	Grabbing
Construction Activities		$\smile$	Breaking	Cutting	Blasting	Backfilling	Demolition	Formwork	unloading
Facilities Operation		1/							
Road Traffic		~							
Aircraft		ľ	A.F.						
Animals	$\checkmark$		12						
Other Sources		$\checkmark$	-		<u></u>	<u> </u>	<u>.                                    </u>	·····	

Sample	Observation	Sample	Observation
1	26	4	
2	<b>U</b>	5	
3		6	

### 5. RESULTS

Version No.: 01

Start Time		15=18		Stop Time		15=48	
Readings (Fast R	esponse)	N	Averaging Per Ionitoring Loca		ites 🚺 rom façade 🗌	30 minutes Free field	*
Sample	L _{eq} , dB(A)	L ₁₀ , dB(A)	L ₉₀ , dB(A)	Sample	L _{eq} , dB(A)	) L ₁₀ , dB(A)	L ₉₀ , dB(A)
1	66.6	Ghil	347	4	47,3	2600	33.7
2	5/12	843	34,4	5	49:5	47.3	349
3	Soit	444	33.8	6	Soil	485	342
						F	
Overall Leq (30 min)	\$9,3 dB	(A)	Average Baseline Level	dB(	A)	Corrected Noise Level*	dB(A)

* If free field is ticked, 3dB is need to add for correction

Checked By: (Signature) (Signature) Sampled By: (Name) 8 Date: Date:

(Name)