

ภาคผนวก



ภาคผนวก ก

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ผลการติดตามตรวจสอบคุณภาพสิ่งแวดล้อม

ภาคผนวก ก-1

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ผลการติดตามตรวจสอบคุณภาพอากาศ  
ในบรรยากาศโดยทั่วไป

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เดือนพฤศจิกายน พ.ศ. 2564



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : KASETSART UNIVERSITY (SI RACHA CAMPUS)  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \*, \*\*, \*\*\*  
**SAMPLING TIME** : \*, \*\*, \*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT  
**RECEIVED DATE** : NOVEMBER 10, 2021  
**ANALYTICAL DATE** : NOVEMBER 10-15, 2021  
**REPORT NO.** : 2021-U85944  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T21AV711-0001 - T21AV711-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			KASETSART UNIVERSITY (SI RACHA CAMPUS)		
			*	**	***
			T21AV711-0001	T21AV711-0002	T21AV711-0003
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.038	0.054	0.050
PARTICULATE MATTER (≤ 10 μm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.021	0.038	0.032
<b>SAMPLE CONDITION</b>			COMPLETE	COMPLETE	COMPLETE

### REMARK

**RESULT** : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
**TSP** : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
**PM10** : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
**\*** : SAMPLING FROM 10:00 HOUR ON NOVEMBER 2, 2021 TO 10:00 HOUR ON NOVEMBER 3, 2021.  
**\*\*** : SAMPLING FROM 10:00 HOUR ON NOVEMBER 3, 2021 TO 10:00 HOUR ON NOVEMBER 4, 2021.  
**\*\*\*** : SAMPLING FROM 10:00 HOUR ON NOVEMBER 4, 2021 TO 10:00 HOUR ON NOVEMBER 5, 2021.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

NOVEMBER 19, 2021



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : KASSETSART UNIVERSITY (SI RACHA CAMPUS)  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \* \*\* \*\*\* \*\*\*\*  
**SAMPLING TIME** : \*, \*\*, \*\*\*, \*\*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT  
**RECEIVED DATE** : NOVEMBER 10, 2021  
**ANALYTICAL DATE** : NOVEMBER 10-15, 2021  
**REPORT NO.** : 2021-U85945  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T21AV711-0004 - T21AV711-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			KASSETSART UNIVERSITY (SI RACHA CAMPUS)			
			*	**	***	****
			T21AV711-0004	T21AV711-0005	T21AV711-0006	T21AV711-0007
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.046	0.057	0.045	0.044
PARTICULATE MATTER (≤ 10 μm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.032	0.031	0.029	0.028
<b>SAMPLE CONDITION</b>			COMPLETE	COMPLETE	COMPLETE	COMPLETE

### REMARK

**RESULT** : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
**TSP** : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
**PM10** : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
**\*** : SAMPLING FROM 10:00 HOUR ON NOVEMBER 5, 2021 TO 10:00 HOUR ON NOVEMBER 6, 2021.  
**\*\*** : SAMPLING FROM 10:00 HOUR ON NOVEMBER 6, 2021 TO 10:00 HOUR ON NOVEMBER 7, 2021.  
**\*\*\*** : SAMPLING FROM 10:00 HOUR ON NOVEMBER 7, 2021 TO 10:00 HOUR ON NOVEMBER 8, 2021.  
**\*\*\*\*** : SAMPLING FROM 10:00 HOUR ON NOVEMBER 8, 2021 TO 10:00 HOUR ON NOVEMBER 9, 2021.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

NOVEMBER 19, 2021



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : AO UDOM VILLAGE  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \*, \*\*, \*\*\*  
**SAMPLING TIME** : \*, \*\*, \*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT  
**RECEIVED DATE** : NOVEMBER 10, 2021  
**ANALYTICAL DATE** : NOVEMBER 15, 2021  
**REPORT NO.** : 2021-U85946  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T21AV711-0008 - T21AV711-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			AO UDOM VILLAGE		
			*	**	***
			T21AV711-0008	T21AV711-0009	T21AV711-0010
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.052	0.053	0.059
PARTICULATE MATTER (≤ 10 µm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.037	0.037	0.042
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

### REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
\* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 2, 2021 TO 08:00 HOUR ON NOVEMBER 3, 2021.  
\*\* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 3, 2021 TO 08:00 HOUR ON NOVEMBER 4, 2021.  
\*\*\* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 4, 2021 TO 08:00 HOUR ON NOVEMBER 5, 2021.

*Piyapat S.*

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LABORATORY SUPERVISOR

NOVEMBER 19, 2021





## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : AO UDOM VILLAGE  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \* \*\* \*\*\* \*\*\*\*  
**SAMPLING TIME** : \*, \*\*, \*\*\*, \*\*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT  
**RECEIVED DATE** : NOVEMBER 10, 2021  
**ANALYTICAL DATE** : NOVEMBER 10-15, 2021  
**REPORT NO.** : 2021-U85947  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T21AV711-0011 - T21AV711-0014

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			AO UDOM VILLAGE			
			*	**	***	****
			T21AV711-0011	T21AV711-0012	T21AV711-0013	T21AV711-0014
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.059	0.054	0.050	0.050
PARTICULATE MATTER (≤ 10 µm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.034	0.041	0.034	0.039
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

### REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
\* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 5, 2021 TO 08:00 HOUR ON NOVEMBER 6, 2021.  
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\*\*\* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 7, 2021 TO 08:00 HOUR ON NOVEMBER 8, 2021.  
\*\*\*\* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 8, 2021 TO 08:00 HOUR ON NOVEMBER 9, 2021.

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NOVEMBER 19, 2021



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : BAN THUNG COMMUNITY  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \*, \*\*, \*\*\*  
**SAMPLING TIME** : \*, \*\*, \*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT  
**RECEIVED DATE** : NOVEMBER 10, 2021  
**ANALYTICAL DATE** : NOVEMBER 10-15, 2021  
**REPORT NO.** : 2021-U85948  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T21AV711-0015 - T21AV711-0017

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			BAN THUNG COMMUNITY		
			* T21AV711-0015	** T21AV711-0016	*** T21AV711-0017
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.068	0.057	0.075
PARTICULATE MATTER (≤ 10 μm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.033	0.039	0.042
<b>SAMPLE CONDITION</b>			COMPLETE	COMPLETE	COMPLETE

### REMARK

**RESULT** : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
**TSP** : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
**PM10** : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
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**\*\*** : SAMPLING FROM 08:00 HOUR ON NOVEMBER 3, 2021 TO 08:00 HOUR ON NOVEMBER 4, 2021.  
**\*\*\*** : SAMPLING FROM 08:00 HOUR ON NOVEMBER 4, 2021 TO 08:00 HOUR ON NOVEMBER 5, 2021.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

NOVEMBER 19, 2021



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : BAN THUNG COMMUNITY  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \* \* \* \* \*  
**SAMPLING TIME** : \* \* \* \* \*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT  
**RECEIVED DATE** : NOVEMBER 10, 2021  
**ANALYTICAL DATE** : NOVEMBER 10-15, 2021  
**REPORT NO.** : 2021-U85949  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T21AV711-0018 - T21AV711-0021

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			BAN THUNG COMMUNITY			
			* T21AV711-0018	** T21AV711-0019	*** T21AV711-0020	**** T21AV711-0021
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.055	0.055	0.075	0.064
PARTICULATE MATTER (≤ 10 μm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.038	0.035	0.036	0.035
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

### REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
\* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 5, 2021 TO 08:00 HOUR ON NOVEMBER 6, 2021.  
\*\* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 6, 2021 TO 08:00 HOUR ON NOVEMBER 7, 2021.  
\*\*\* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 7, 2021 TO 08:00 HOUR ON NOVEMBER 8, 2021.  
\*\*\*\* : SAMPLING FROM 08:00 HOUR ON NOVEMBER 8, 2021 TO 08:00 HOUR ON NOVEMBER 9, 2021.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

NOVEMBER 19, 2021





## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : BAN LAEM CHABANG COMMUNITY  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \*, \*\*, \*\*\*  
**SAMPLING TIME** : \*, \*\*, \*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT  
**RECEIVED DATE** : NOVEMBER 10, 2021  
**ANALYTICAL DATE** : NOVEMBER 10-15, 2021  
**REPORT NO.** : 2021-U85950  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T21AV711-0022 - T21AV711-0024

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			BAN LAEM CHABANG COMMUNITY		
			* T21AV711-0022	** T21AV711-0023	*** T21AV711-0024
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.038	0.048	0.063
PARTICULATE MATTER (≤ 10 µm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.024	0.017	0.025
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

### REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
 PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
 \* : SAMPLING FROM 09:00 HOUR ON NOVEMBER 2, 2021 TO 09:00 HOUR ON NOVEMBER 3, 2021.  
 \*\* : SAMPLING FROM 09:00 HOUR ON NOVEMBER 3, 2021 TO 09:00 HOUR ON NOVEMBER 4, 2021.  
 \*\*\* : SAMPLING FROM 09:00 HOUR ON NOVEMBER 4, 2021 TO 09:00 HOUR ON NOVEMBER 5, 2021.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

NOVEMBER 19, 2021



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : BAN LAEM CHABANG COMMUNITY  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \*, \*\*, \*\*\*, \*\*\*\*  
**SAMPLING TIME** : \*, \*\*, \*\*\*, \*\*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT  
**RECEIVED DATE** : NOVEMBER 10, 2021  
**ANALYTICAL DATE** : NOVEMBER 10-15, 2021  
**REPORT NO.** : 2021-U85951  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T21AV711-0025 - T21AV711-0028

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			BAN LAEM CHABANG COMMUNITY			
			*	**	***	****
			T21AV711-0025	T21AV711-0026	T21AV711-0027	T21AV711-0028
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.044	0.042	0.050	0.035
PARTICULATE MATTER (≤ 10 μm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.016	0.031	0.027	0.012
<b>SAMPLE CONDITION</b>			COMPLETE	COMPLETE	COMPLETE	COMPLETE

### REMARK

RESULT : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.

TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.

PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.

\* : SAMPLING FROM 09:00 HOUR ON NOVEMBER 5, 2021 TO 09:00 HOUR ON NOVEMBER 6, 2021.

\*\* : SAMPLING FROM 09:00 HOUR ON NOVEMBER 6, 2021 TO 09:00 HOUR ON NOVEMBER 7, 2021.

\*\*\* : SAMPLING FROM 09:00 HOUR ON NOVEMBER 7, 2021 TO 09:00 HOUR ON NOVEMBER 8, 2021.

\*\*\*\* : SAMPLING FROM 09:00 HOUR ON NOVEMBER 8, 2021 TO 09:00 HOUR ON NOVEMBER 9, 2021.

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LABORATORY SUPERVISOR

NOVEMBER 19, 2021





## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**MEASURING PLACE** : BAN THUNG COMMUNITY  
**MEASURING TYPE** : AMBIENT (AIR)  
**MEASURING DATE** : NOVEMBER 2-9, 2021  
**MEASURING TIME** : \*  
**MEASURING METHOD** : WIND SPEED & WIND DIRECTION EQUIPMENT  
**MEASURED BY** : MR SIRAPAT JONGPHADUNGKIET

**RECEIVED DATE** : NOVEMBER 2-9, 2021  
**ANALYTICAL DATE** : NOVEMBER 2-9, 2021  
**REPORT NO.** : 2021-U87704  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T21AV711-0015 - T21AV711-0021

TIME *	RESULT (m/s)					
	BAN THUNG COMMUNITY					
	NOVEMBER 2-3, 2021 T21AV711-0015		NOVEMBER 3-4, 2021 T21AV711-0016		NOVEMBER 4-5, 2021 T21AV711-0017	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	1.1	NNE	1.6	NNE	3.2	ENE
09:00-10:00 HOUR	1.4	NNE	0.9	ENE	1.3	NNE
10:00-11:00 HOUR	1.3	NNE	1.4	E	1.9	NNE
11:00-12:00 HOUR	2.2	NNE	2.2	NE	1.8	NNE
12:00-13:00 HOUR	1.8	NNE	2.6	ENE	2.5	NE
13:00-14:00 HOUR	3.0	NNE	1.9	E	3.4	E
14:00-15:00 HOUR	3.1	NE	0.3	NE	2.3	NE
15:00-16:00 HOUR	3.4	NE	2.2	ENE	2.7	ENE
16:00-17:00 HOUR	2.9	ENE	2.0	NNE	3.2	NE
17:00-18:00 HOUR	2.6	ENE	1.2	NE	1.5	ENE
18:00-19:00 HOUR	1.3	ENE	1.8	E	0.6	E
19:00-20:00 HOUR	0.6	ENE	1.0	E	0.9	ENE
20:00-21:00 HOUR	0.7	NE	2.7	NNE	0.7	ENE
21:00-22:00 HOUR	1.8	NE	2.3	NNE	0.3	ENE
22:00-23:00 HOUR	0.9	ENE	2.4	E	1.0	NE
23:00-00:00 HOUR	0.4	E	3.3	NE	1.2	NNE
00:00-01:00 HOUR	1.7	NNE	2.7	NNE	1.4	NE
01:00-02:00 HOUR	1.2	NE	3.2	NE	1.3	SE
02:00-03:00 HOUR	0.8	ENE	2.5	NE	1.1	SSE
03:00-04:00 HOUR	2.2	NE	2.7	NNE	1.0	WSW
04:00-05:00 HOUR	3.4	NE	1.9	E	1.7	W
05:00-06:00 HOUR	1.0	ENE	1.3	NE	0.8	W
06:00-07:00 HOUR	1.7	NE	1.7	E	0.4	NW
07:00-08:00 HOUR	2.9	NNE	3.0	NNE	1.2	NW



TIME *	RESULT (m/s)							
	BAN THUNG COMMUNITY							
	NOVEMBER 5-6, 2021		NOVEMBER 6-7, 2021		NOVEMBER 7-8, 2021		NOVEMBER 8-9, 2021	
	T21AV711-0018		T21AV711-0019		T21AV711-0020		T21AV711-0021	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	1.6	WNW	2.7	SSW	1.3	ESE	0.8	NNE
09:00-10:00 HOUR	1.1	NNW	2.3	S	1.4	E	0.7	ENE
10:00-11:00 HOUR	0.8	NNW	1.9	S	1.6	ENE	0.8	ENE
11:00-12:00 HOUR	0.3	NNW	2.0	SE	1.3	NE	0.9	NNE
12:00-13:00 HOUR	0.6	NNW	2.5	SE	1.1	ENE	1.2	NE
13:00-14:00 HOUR	1.3	NNW	3.2	SSE	2.0	ENE	0.8	ENE
14:00-15:00 HOUR	1.7	NW	1.9	SE	2.1	E	1.6	E
15:00-16:00 HOUR	2.5	NW	0.8	SSE	1.1	E	0.6	ENE
16:00-17:00 HOUR	3.1	NW	0.3	S	0.6	ENE	2.3	NE
17:00-18:00 HOUR	3.4	NW	2.1	SE	2.9	E	2.8	NE
18:00-19:00 HOUR	3.0	NNW	2.6	S	2.3	ENE	2.6	NE
19:00-20:00 HOUR	2.6	NNW	2.9	SSE	2.0	ENE	3.1	NE
20:00-21:00 HOUR	2.2	NNW	3.0	S	1.9	NE	2.5	NE
21:00-22:00 HOUR	0.9	NNW	1.1	SE	1.4	NNE	1.6	E
22:00-23:00 HOUR	1.0	NNW	1.3	SSE	0.6	NNE	2.0	ENE
23:00-00:00 HOUR	0.5	WNW	0.7	SE	0.7	NNE	3.1	NE
00:00-01:00 HOUR	0.8	NNW	1.6	SSE	1.9	E	3.3	E
01:00-02:00 HOUR	0.3	NNW	1.1	S	1.5	ENE	2.1	NE
02:00-03:00 HOUR	1.2	NW	1.4	S	0.6	ENE	2.2	ENE
03:00-04:00 HOUR	1.5	WNW	1.5	SSE	1.3	NE	1.8	E
04:00-05:00 HOUR	1.1	WNW	2.9	ESE	0.3	E	1.5	NE
05:00-06:00 HOUR	1.3	W	2.7	SE	1.2	NE	1.2	NNE
06:00-07:00 HOUR	1.7	WSW	2.4	S	1.7	ENE	1.4	ENE
07:00-08:00 HOUR	2.5	SW	1.7	SE	1.0	NE	0.8	NNE

*Sila Banjongjairuk*

(MR SILA BANJONGJAIKUK)  
LABORATORY SUPERVISOR

NOVEMBER 23, 2021

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เดือนพฤษภาคม พ.ศ. 2565



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : KASETSART UNIVERSITY (SI RACHA CAMPUS)  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \*, \*\*, \*\*\*  
**SAMPLING TIME** : \*, \*\*, \*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT

**RECEIVED DATE** : MAY 13, 2022  
**ANALYTICAL DATE** : MAY 13-20, 2022  
**REPORT NO.** : 2022-U037966  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ071-0001 - T22AJ071-0003

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			KASETSART UNIVERSITY (SI RACHA CAMPUS)		
			* T22AJ071-0001	** T22AJ071-0002	*** T22AJ071-0003
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.049	0.028	0.025
PARTICULATE MATTER (≤ 10 µm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.026	0.015	0.013
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

### REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
\* : SAMPLING FROM 10:30 HOUR ON MAY 6, 2022 TO 10:30 HOUR ON MAY 7, 2022.  
\*\* : SAMPLING FROM 10:30 HOUR ON MAY 7, 2022 TO 10:30 HOUR ON MAY 8, 2022.  
\*\*\* : SAMPLING FROM 10:30 HOUR ON MAY 8, 2022 TO 10:30 HOUR ON MAY 9, 2022.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

MAY 25, 2022



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : KASETSART UNIVERSITY (SI RACHA CAMPUS)  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \* , \*\* , \*\*\* , \*\*\*\*  
**SAMPLING TIME** : \* , \*\* , \*\*\* , \*\*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT  
**RECEIVED DATE** : MAY 13, 2022  
**ANALYTICAL DATE** : MAY 13-20, 2022  
**REPORT NO.** : 2022-U037968  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ071-0004 - T22AJ071-0007

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			KASETSART UNIVERSITY (SI RACHA CAMPUS)			
			* T22AJ071-0004	** T22AJ071-0005	*** T22AJ071-0006	**** T22AJ071-0007
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.048	0.036	0.040	0.048
PARTICULATE MATTER (≤ 10 μm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.035	0.020	0.021	0.022
<b>SAMPLE CONDITION</b>			COMPLETE	COMPLETE	COMPLETE	COMPLETE

### REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
\* : SAMPLING FROM 10:30 HOUR ON MAY 9, 2022 TO 10:30 HOUR ON MAY 10, 2022.  
\*\* : SAMPLING FROM 10:30 HOUR ON MAY 10, 2022 TO 10:30 HOUR ON MAY 11, 2022.  
\*\*\* : SAMPLING FROM 10:30 HOUR ON MAY 11, 2022 TO 10:30 HOUR ON MAY 12, 2022.  
\*\*\*\* : SAMPLING FROM 10:30 HOUR ON MAY 12, 2022 TO 10:30 HOUR ON MAY 13, 2022.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

MAY 25, 2022





## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : AO UDOM VILLAGE  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \*, \*\*, \*\*\*  
**SAMPLING TIME** : \*, \*\*, \*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT  
**RECEIVED DATE** : MAY 13, 2022  
**ANALYTICAL DATE** : MAY 13-20, 2022  
**REPORT NO.** : 2022-U037971  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ071-0008 - T22AJ071-0010

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			AO UDOM VILLAGE		
			* T22AJ071-0008	** T22AJ071-0009	*** T22AJ071-0010
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.069	0.033	0.038
PARTICULATE MATTER (≤ 10 μm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.044	0.023	0.028
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

### REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
\* : SAMPLING FROM 08:30 HOUR ON MAY 6, 2022 TO 08:30 HOUR ON MAY 7, 2022.  
\*\* : SAMPLING FROM 08:30 HOUR ON MAY 7, 2022 TO 08:30 HOUR ON MAY 8, 2022.  
\*\*\* : SAMPLING FROM 08:30 HOUR ON MAY 8, 2022 TO 08:30 HOUR ON MAY 9, 2022.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

MAY 25, 2022



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : AO UDOM VILLAGE  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \*, \*\*, \*\*\*, \*\*\*\*  
**SAMPLING TIME** : \*, \*\*, \*\*\*, \*\*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT  
**RECEIVED DATE** : MAY 13, 2022  
**ANALYTICAL DATE** : MAY 13-20, 2022  
**REPORT NO.** : 2022-U037975  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ071-0011 - T22AJ071-0014

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			AO UDOM VILLAGE			
			*	**	***	****
			T22AJ071-0011	T22AJ071-0012	T22AJ071-0013	T22AJ071-0014
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.034	0.029	0.030	0.035
PARTICULATE MATTER (≤ 10 μm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.024	0.019	0.016	0.019
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

### REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
\* : SAMPLING FROM 08:30 HOUR ON MAY 9, 2022 TO 08:30 HOUR ON MAY 10, 2022.  
\*\* : SAMPLING FROM 08:30 HOUR ON MAY 10, 2022 TO 08:30 HOUR ON MAY 11, 2022.  
\*\*\* : SAMPLING FROM 08:30 HOUR ON MAY 11, 2022 TO 08:30 HOUR ON MAY 12, 2022.  
\*\*\*\* : SAMPLING FROM 08:30 HOUR ON MAY 12, 2022 TO 08:30 HOUR ON MAY 13, 2022.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

MAY 25, 2022





## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : BAN THUNG COMMUNITY  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \*, \*\*, \*\*\*  
**SAMPLING TIME** : \*, \*\*, \*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT

**RECEIVED DATE** : MAY 13, 2022  
**ANALYTICAL DATE** : MAY 13-20, 2022  
**REPORT NO.** : 2022-U037979  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ071-0015 - T22AJ071-0017

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			BAN THUNG COMMUNITY		
			*	**	***
			T22AJ071-0015	T22AJ071-0016	T22AJ071-0017
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.095	0.061	0.053
PARTICULATE MATTER (≤ 10 μm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.059	0.034	0.041
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

### REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
\* : SAMPLING FROM 08:30 HOUR ON MAY 6, 2022 TO 08:30 HOUR ON MAY 7, 2022.  
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\*\*\* : SAMPLING FROM 08:30 HOUR ON MAY 8, 2022 TO 08:30 HOUR ON MAY 9, 2022.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

MAY 25, 2022





## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : BAN THUNG COMMUNITY  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \* , \*\* , \*\*\* , \*\*\*\*  
**SAMPLING TIME** : \* , \*\* , \*\*\* , \*\*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT

**RECEIVED DATE** : MAY 13, 2022  
**ANALYTICAL DATE** : MAY 13-20, 2022  
**REPORT NO.** : 2022-U037989  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ071-0018 - T22AJ071-0021

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			BAN THUNG COMMUNITY			
			* T22AJ071-0018	** T22AJ071-0019	*** T22AJ071-0020	**** T22AJ071-0021
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.057	0.047	0.064	0.051
PARTICULATE MATTER (≤ 10 μm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.038	0.035	0.041	0.019
<b>SAMPLE CONDITION</b>			COMPLETE	COMPLETE	COMPLETE	COMPLETE

### REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
\* : SAMPLING FROM 08:30 HOUR ON MAY 9, 2022 TO 08:30 HOUR ON MAY 10, 2022.  
\*\* : SAMPLING FROM 08:30 HOUR ON MAY 10, 2022 TO 08:30 HOUR ON MAY 11, 2022.  
\*\*\* : SAMPLING FROM 08:30 HOUR ON MAY 11, 2022 TO 08:30 HOUR ON MAY 12, 2022.  
\*\*\*\* : SAMPLING FROM 08:30 HOUR ON MAY 12, 2022 TO 08:30 HOUR ON MAY 13, 2022.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

MAY 25, 2022



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : BAN LAEM CHABANG COMMUNITY  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \*, \*\*, \*\*\*  
**SAMPLING TIME** : \*, \*\*, \*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT

**RECEIVED DATE** : MAY 13, 2022  
**ANALYTICAL DATE** : MAY 13-20, 2022  
**REPORT NO.** : 2022-U037991  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ071-0022 - T22AJ071-0024

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT		
			BAN LAEM CHABANG COMMUNITY		
			* T22AJ071-0022	** T22AJ071-0023	*** T22AJ071-0024
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.063	0.036	0.044
PARTICULATE MATTER ( $\leq 10 \mu\text{m}$ )	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.050	0.026	0.034
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE

### REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
\* : SAMPLING FROM 08:00 HOUR ON MAY 6, 2022 TO 08:00 HOUR ON MAY 7, 2022.  
\*\* : SAMPLING FROM 08:00 HOUR ON MAY 7, 2022 TO 08:00 HOUR ON MAY 8, 2022.  
\*\*\* : SAMPLING FROM 08:00 HOUR ON MAY 8, 2022 TO 08:00 HOUR ON MAY 9, 2022.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

MAY 25, 2022





## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**SAMPLING SOURCE** : BAN LAEM CHABANG COMMUNITY  
**SAMPLE TYPE** : AMBIENT  
**SAMPLING DATE** : \* , \*\* , \*\*\* , \*\*\*\*  
**SAMPLING TIME** : \* , \*\* , \*\*\* , \*\*\*\*  
**SAMPLING BY** : MR SIRAPAT JONGPHADUNGKIET  
**ANALYZED BY** : MISS JETJARIN TUMSA-AT

**RECEIVED DATE** : MAY 13, 2022  
**ANALYTICAL DATE** : MAY 13-20, 2022  
**REPORT NO.** : 2022-U037994  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ071-0025 - T22AJ071-0028

PARAMETER	UNIT	METHOD OF ANALYSIS	RESULT			
			BAN LAEM CHABANG COMMUNITY			
			*	**	***	****
			T22AJ071-0025	T22AJ071-0026	T22AJ071-0027	T22AJ071-0028
TOTAL SUSPENDED PARTICULATE	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.037	0.034	0.030	0.034
PARTICULATE MATTER (≤ 10 μm)	mg/m <sup>3</sup>	GRAVIMETRIC (HIGH VOLUME METHOD)	0.025	0.023	0.017	0.023
SAMPLE CONDITION			COMPLETE	COMPLETE	COMPLETE	COMPLETE

### REMARK

TSP, PM10 : REFERENCE CONDITION IS 25 DEGREE CELSIUS AT 1 ATMOSPHERE.  
TSP : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX B.  
PM10 : US EPA, CODE OF FEDERAL REGULATION SEARCH RESULTS, 40 CFR-CHAPTER I PART 50, APPENDIX J.  
\* : SAMPLING FROM 08:00 HOUR ON MAY 9, 2022 TO 08:00 HOUR ON MAY 10, 2022.  
\*\* : SAMPLING FROM 08:00 HOUR ON MAY 10, 2022 TO 08:00 HOUR ON MAY 11, 2022.  
\*\*\* : SAMPLING FROM 08:00 HOUR ON MAY 11, 2022 TO 08:00 HOUR ON MAY 12, 2022.  
\*\*\*\* : SAMPLING FROM 08:00 HOUR ON MAY 12, 2022 TO 08:00 HOUR ON MAY 13, 2022.

*Piyapat S.*

(MRS PIYAPAT SUTTAMANUTWONG)  
LABORATORY SUPERVISOR

MAY 25, 2022



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT

**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED

**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110

**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com

**MEASURING PLACE** : BAN THUNG COMMUNITY

**MEASURING TYPE** : AMBIENT (AIR)

**MEASURING DATE** : MAY 6-13, 2022

**MEASURING TIME** : \*

**MEASURING METHOD** : WIND SPEED & WIND DIRECTION EQUIPMENT

**MEASURED BY** : MR SIRAPAT JONGPHADUNGKIET

**RECEIVED DATE** : MAY 6-13, 2022

**ANALYTICAL DATE** : MAY 6-13, 2022

**REPORT NO.** : 2022-U040770

**WORK NO.** : 2021-003286

**ANALYSIS NO.** : T22AJ071-0015 - T22AJ071-0021

TIME *	RESULT (m/s)					
	BAN THUNG COMMUNITY					
	MAY 6-7, 2022 T22AJ071-0015		MAY 7-8, 2022 T22AJ071-0016		MAY 8-9, 2022 T22AJ071-0017	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	2.4	SSE	1.6	ENE	0.7	WSW
09:00-10:00 HOUR	2.5	S	1.5	ENE	1.2	SSW
10:00-11:00 HOUR	0.4	S	3.4	E	2.7	SSW
11:00-12:00 HOUR	2.8	SSE	1.2	ESE	0.9	SSW
12:00-13:00 HOUR	3.4	SE	1.0	ESE	1.0	SSW
13:00-14:00 HOUR	0.9	SSE	1.1	SE	1.8	W
14:00-15:00 HOUR	1.2	SE	1.5	S	0.9	WNW
15:00-16:00 HOUR	1.2	SSE	3.0	SSE	0.8	WNW
16:00-17:00 HOUR	2.5	ESE	0.9	SE	1.3	SSW
17:00-18:00 HOUR	1.0	ESE	2.9	S	1.9	WSW
18:00-19:00 HOUR	1.6	SE	2.3	SSE	2.6	SSW
19:00-20:00 HOUR	1.2	ESE	2.6	SSE	0.6	W
20:00-21:00 HOUR	0.5	E	2.8	SE	2.7	WNW
21:00-22:00 HOUR	0.5	S	0.8	S	0.8	SSW
22:00-23:00 HOUR	3.2	SE	0.5	SSW	1.6	WSW
23:00-00:00 HOUR	0.8	SE	1.4	SW	3.2	WSW
00:00-01:00 HOUR	3.1	SSE	2.6	W	2.8	WNW
01:00-02:00 HOUR	2.7	SE	1.8	W	0.4	WNW
02:00-03:00 HOUR	0.4	ESE	0.8	SW	2.7	WSW
03:00-04:00 HOUR	2.9	E	1.1	W	1.4	SSW
04:00-05:00 HOUR	3.4	NE	1.0	W	2.1	WSW
05:00-06:00 HOUR	3.4	NNE	2.6	W	1.7	WNW
06:00-07:00 HOUR	3.3	NE	1.9	WNW	1.6	SW
07:00-08:00 HOUR	0.3	N	2.8	W	2.8	WSW





TIME *	RESULT (m/s)							
	BAN THUNG COMMUNITY							
	MAY 9-10, 2022		MAY 10-11, 2022		MAY 11-12, 2022		MAY 12-13, 2022	
	T22AJ071-0018		T22AJ071-0019		T22AJ071-0020		T22AJ071-0021	
	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION	WIND SPEED	WIND DIRECTION
08:00-09:00 HOUR	1.0	WNW	0.8	WSW	0.3	NW	1.0	WNW
09:00-10:00 HOUR	0.6	SW	0.4	WNW	0.7	W	2.0	SW
10:00-11:00 HOUR	1.5	WNW	0.6	WNW	0.7	SSW	2.2	WNW
11:00-12:00 HOUR	2.2	W	0.8	NW	2.8	W	1.3	W
12:00-13:00 HOUR	2.8	SW	3.2	NNW	0.9	W	0.6	W
13:00-14:00 HOUR	3.2	WSW	0.9	NNW	1.3	WNW	0.5	W
14:00-15:00 HOUR	1.5	SW	2.2	N	0.7	W	0.7	SW
15:00-16:00 HOUR	3.3	SSW	2.7	NW	1.6	SW	0.8	SW
16:00-17:00 HOUR	2.7	SW	2.4	NW	0.9	WNW	1.0	WSW
17:00-18:00 HOUR	1.1	WSW	0.5	NW	2.0	WNW	1.3	SSW
18:00-19:00 HOUR	3.4	SW	0.4	NW	1.0	WSW	2.8	WNW
19:00-20:00 HOUR	2.1	SSW	1.7	NW	1.4	W	1.5	W
20:00-21:00 HOUR	2.8	WNW	2.3	N	3.2	W	1.8	W
21:00-22:00 HOUR	1.1	SSW	2.1	NW	2.4	SW	3.1	SW
22:00-23:00 HOUR	1.8	WNW	1.2	N	1.4	SW	2.7	SSW
23:00-00:00 HOUR	0.4	SW	3.1	WNW	0.8	WNW	2.8	WNW
00:00-01:00 HOUR	0.8	W	1.6	NNW	0.3	W	2.6	SSW
01:00-02:00 HOUR	0.3	SW	0.4	NNW	1.8	WSW	1.4	SSW
02:00-03:00 HOUR	3.1	W	1.6	NNW	2.6	W	2.1	W
03:00-04:00 HOUR	2.0	WNW	1.1	NNW	2.5	SW	2.8	W
04:00-05:00 HOUR	3.3	W	0.3	N	1.7	WNW	3.1	WNW
05:00-06:00 HOUR	0.9	SSW	3.2	N	1.0	W	2.6	WSW
06:00-07:00 HOUR	1.6	W	2.0	NNW	2.9	W	1.8	W
07:00-08:00 HOUR	3.3	W	1.3	NNW	2.5	W	1.6	W

*Sila Banjongjairuk*

(MR SILA BANJONGJAIKUK)  
LABORATORY SUPERVISOR

JUNE 3, 2022

ภาคผนวก ก-2

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ผลการติดตามตรวจสอบระดับเสียงโดยทั่วไป

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เดือนพฤศจิกายน พ.ศ. 2564

## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**MEASURING SOURCE** : AO UDOM VILLAGE  
**MEASURING TYPE** : AMBIENT (NOISE)  
**MEASURING DATE** : NOVEMBER 2-9, 2021  
**MEASURING TIME** : \*  
**MEASURING METHOD** : INTEGRATED SOUND LEVEL METER  
**MEASURED BY** : MR SIRAPAT JONGPHADUNGKIET

**RECEIVED DATE** : NOVEMBER 2-9, 2021  
**ANALYTICAL DATE** : NOVEMBER 2-9, 2021  
**REPORT NO.** : 2021-U87699  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T21AV713-0008 - T21AV713-0014

TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	NOVEMBER 2-3, 2021		
	T21AV713-0008		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	52.3	71.4	46.9
08:00-09:00 HOUR	51.2	62.0	47.4
09:00-10:00 HOUR	51.3	64.6	47.2
10:00-11:00 HOUR	51.0	69.1	46.7
11:00-12:00 HOUR	51.5	68.8	49.0
12:00-13:00 HOUR	52.9	69.5	46.9
13:00-14:00 HOUR	49.8	61.0	47.2
14:00-15:00 HOUR	50.6	56.6	48.0
15:00-16:00 HOUR	51.2	60.5	48.4
16:00-17:00 HOUR	50.4	61.9	48.3
17:00-18:00 HOUR	54.1	75.8	49.2
18:00-19:00 HOUR	52.4	60.0	49.5
19:00-20:00 HOUR	52.2	65.4	48.2
20:00-21:00 HOUR	51.6	58.8	49.1
21:00-22:00 HOUR	47.7	60.5	44.5
22:00-23:00 HOUR	45.4	49.6	43.5
23:00-00:00 HOUR	46.1	62.5	42.9
00:00-01:00 HOUR	46.0	53.1	43.3
01:00-02:00 HOUR	46.4	60.9	44.0
02:00-03:00 HOUR	46.4	56.0	43.0
03:00-04:00 HOUR	45.2	58.0	42.1
04:00-05:00 HOUR	47.3	62.1	43.2
05:00-06:00 HOUR	49.8	59.2	46.7
06:00-07:00 HOUR	50.5	58.2	48.1
L <sub>Aeq</sub> 24 hours	50.4		
L <sub>Adn</sub>	54.7		





TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	NOVEMBER 3-4, 2021		
	T21AV713-0009		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	53.2	72.2	48.3
08:00-09:00 HOUR	51.0	61.3	47.4
09:00-10:00 HOUR	52.0	65.1	48.3
10:00-11:00 HOUR	51.4	68.9	47.1
11:00-12:00 HOUR	51.8	69.9	49.2
12:00-13:00 HOUR	53.2	69.5	47.6
13:00-14:00 HOUR	50.0	59.9	47.3
14:00-15:00 HOUR	50.3	56.8	47.5
15:00-16:00 HOUR	50.7	59.5	48.4
16:00-17:00 HOUR	51.0	62.4	49.0
17:00-18:00 HOUR	53.0	74.8	48.0
18:00-19:00 HOUR	52.1	59.9	49.8
19:00-20:00 HOUR	51.9	64.7	48.2
20:00-21:00 HOUR	52.1	60.6	49.3
21:00-22:00 HOUR	48.0	60.9	44.5
22:00-23:00 HOUR	46.4	52.3	44.1
23:00-00:00 HOUR	47.9	63.4	45.2
00:00-01:00 HOUR	47.3	54.3	44.9
01:00-02:00 HOUR	47.9	63.1	44.5
02:00-03:00 HOUR	47.9	56.9	44.6
03:00-04:00 HOUR	45.8	58.7	43.1
04:00-05:00 HOUR	48.4	62.8	43.9
05:00-06:00 HOUR	50.1	59.5	46.8
06:00-07:00 HOUR	50.8	59.1	48.6
L <sub>Aeq</sub> 24 hours	50.7		
L <sub>Adn</sub>	55.4		

TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	NOVEMBER 4-5, 2021		
	T21AV713-0010		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	49.9	68.5	45.2
08:00-09:00 HOUR	49.3	58.9	46.0
09:00-10:00 HOUR	49.5	62.8	45.2
10:00-11:00 HOUR	48.3	65.5	44.1
11:00-12:00 HOUR	49.6	66.5	47.3
12:00-13:00 HOUR	51.1	66.9	45.1
13:00-14:00 HOUR	46.9	58.1	43.6
14:00-15:00 HOUR	48.1	54.4	45.1
15:00-16:00 HOUR	48.8	57.8	46.4
16:00-17:00 HOUR	48.1	58.6	46.3
17:00-18:00 HOUR	50.6	73.6	44.8
18:00-19:00 HOUR	48.4	56.2	45.8
19:00-20:00 HOUR	49.8	62.8	46.2
20:00-21:00 HOUR	49.3	58.0	46.5
21:00-22:00 HOUR	45.3	57.9	41.8
22:00-23:00 HOUR	43.6	49.8	41.0
23:00-00:00 HOUR	44.7	60.8	41.8
00:00-01:00 HOUR	43.8	51.5	41.1
01:00-02:00 HOUR	44.3	59.5	41.2
02:00-03:00 HOUR	44.6	53.0	41.6
03:00-04:00 HOUR	43.4	55.3	40.3
04:00-05:00 HOUR	46.1	60.4	41.9
05:00-06:00 HOUR	47.0	56.3	43.8
06:00-07:00 HOUR	48.2	56.4	45.7
L <sub>Aeq</sub> 24 hours	48.0		
L <sub>Adn</sub>	52.6		

TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	NOVEMBER 5-6, 2021		
	T21AV713-0011		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	50.6	69.6	45.7
08:00-09:00 HOUR	49.3	59.6	45.9
09:00-10:00 HOUR	48.9	62.0	45.0
10:00-11:00 HOUR	49.1	66.2	45.0
11:00-12:00 HOUR	49.2	66.1	46.7
12:00-13:00 HOUR	50.5	66.6	45.0
13:00-14:00 HOUR	47.2	58.2	44.6
14:00-15:00 HOUR	48.5	54.6	45.9
15:00-16:00 HOUR	48.3	57.0	46.1
16:00-17:00 HOUR	49.2	59.6	47.2
17:00-18:00 HOUR	50.6	73.2	45.3
18:00-19:00 HOUR	49.2	57.5	46.8
19:00-20:00 HOUR	50.2	62.8	46.7
20:00-21:00 HOUR	49.9	58.6	47.2
21:00-22:00 HOUR	45.3	58.1	41.7
22:00-23:00 HOUR	43.3	48.4	41.5
23:00-00:00 HOUR	44.9	60.9	41.6
00:00-01:00 HOUR	44.0	50.8	41.7
01:00-02:00 HOUR	44.8	59.6	41.9
02:00-03:00 HOUR	43.7	53.1	40.3
03:00-04:00 HOUR	43.7	55.1	41.3
04:00-05:00 HOUR	46.0	60.2	41.7
05:00-06:00 HOUR	47.6	56.8	44.2
06:00-07:00 HOUR	48.1	56.3	46.0
L <sub>Aeq</sub> 24 hours	48.2		
L <sub>Adn</sub>	52.7		



TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	NOVEMBER 6-7, 2021		
	T21AV713-0012		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	50.3	68.0	45.9
08:00-09:00 HOUR	48.8	59.8	45.3
09:00-10:00 HOUR	49.1	61.5	45.4
10:00-11:00 HOUR	49.0	66.0	45.0
11:00-12:00 HOUR	48.8	67.2	45.8
12:00-13:00 HOUR	50.1	65.9	44.5
13:00-14:00 HOUR	46.9	56.7	44.3
14:00-15:00 HOUR	48.6	55.1	45.7
15:00-16:00 HOUR	49.3	58.1	47.4
16:00-17:00 HOUR	49.0	59.9	47.0
17:00-18:00 HOUR	50.9	73.8	45.7
18:00-19:00 HOUR	48.5	57.0	45.4
19:00-20:00 HOUR	50.0	62.7	46.8
20:00-21:00 HOUR	49.5	57.7	46.8
21:00-22:00 HOUR	44.7	56.7	41.6
22:00-23:00 HOUR	43.7	49.1	41.5
23:00-00:00 HOUR	45.3	61.2	42.6
00:00-01:00 HOUR	44.8	51.8	42.1
01:00-02:00 HOUR	44.6	59.6	41.9
02:00-03:00 HOUR	44.8	54.0	41.7
03:00-04:00 HOUR	43.1	56.2	40.2
04:00-05:00 HOUR	46.7	61.2	42.9
05:00-06:00 HOUR	48.1	57.4	44.9
06:00-07:00 HOUR	48.5	56.9	46.2
L <sub>Aeq</sub> 24 hours		48.2	
L <sub>Adn</sub>		52.9	

TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	NOVEMBER 7-8, 2021		
	T21AV713-0013		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	50.8	61.2	48.0
08:00-09:00 HOUR	51.6	58.4	49.1
09:00-10:00 HOUR	52.0	61.0	49.1
10:00-11:00 HOUR	52.1	63.5	50.1
11:00-12:00 HOUR	54.6	76.8	49.2
12:00-13:00 HOUR	52.6	61.0	50.1
13:00-14:00 HOUR	53.7	66.0	50.9
14:00-15:00 HOUR	52.9	61.4	50.2
15:00-16:00 HOUR	48.4	61.1	45.0
16:00-17:00 HOUR	47.2	52.3	45.4
17:00-18:00 HOUR	48.1	64.3	45.3
18:00-19:00 HOUR	47.6	54.4	45.2
19:00-20:00 HOUR	47.6	63.1	44.2
20:00-21:00 HOUR	47.2	56.8	43.7
21:00-22:00 HOUR	46.7	59.5	43.9
22:00-23:00 HOUR	47.2	60.5	43.2
23:00-00:00 HOUR	43.9	56.3	41.5
00:00-01:00 HOUR	43.6	56.6	40.3
01:00-02:00 HOUR	43.1	55.2	40.3
02:00-03:00 HOUR	43.1	55.2	40.6
03:00-04:00 HOUR	43.2	55.6	40.7
04:00-05:00 HOUR	45.8	60.5	41.3
05:00-06:00 HOUR	47.3	57.0	44.2
06:00-07:00 HOUR	48.0	56.2	45.7
L <sub>Aeq</sub> 24 hours		49.6	
L <sub>Adn</sub>		53.2	

TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	NOVEMBER 8-9, 2021		
	T21AV713-0014		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	50.9	61.1	48.4
08:00-09:00 HOUR	52.0	58.4	49.7
09:00-10:00 HOUR	52.2	61.2	49.2
10:00-11:00 HOUR	52.7	63.3	50.9
11:00-12:00 HOUR	53.8	76.2	49.1
12:00-13:00 HOUR	52.4	60.3	49.9
13:00-14:00 HOUR	53.8	66.4	50.2
14:00-15:00 HOUR	53.1	61.2	50.2
15:00-16:00 HOUR	48.2	61.1	44.3
16:00-17:00 HOUR	47.1	52.2	45.2
17:00-18:00 HOUR	48.2	64.2	45.4
18:00-19:00 HOUR	47.7	54.9	45.1
19:00-20:00 HOUR	47.8	63.9	44.9
20:00-21:00 HOUR	47.7	56.9	44.7
21:00-22:00 HOUR	46.6	58.6	43.7
22:00-23:00 HOUR	47.6	61.5	43.6
23:00-00:00 HOUR	43.5	56.1	40.4
00:00-01:00 HOUR	42.7	56.0	40.1
01:00-02:00 HOUR	43.2	55.2	40.7
02:00-03:00 HOUR	43.7	56.1	41.2
03:00-04:00 HOUR	43.8	56.4	41.1
04:00-05:00 HOUR	46.8	61.3	43.0
05:00-06:00 HOUR	47.9	57.3	44.6
06:00-07:00 HOUR	47.9	55.7	45.9
L <sub>Aeq</sub> 24 hours		49.7	
L <sub>Adn</sub>		53.4	

*Sila Banjongjairuk*

(MR SILA BANJONGJAIKUK)  
LABORATORY SUPERVISOR

NOVEMBER 23, 2021



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**MEASURING SOURCE** : BAN THUNG COMMUNITY  
**MEASURING TYPE** : AMBIENT (NOISE)  
**MEASURING DATE** : NOVEMBER 2-9, 2021  
**MEASURING TIME** : \*  
**MEASURING METHOD** : INTEGRATED SOUND LEVEL METER  
**MEASURED BY** : MR SIRAPAT JONGPHADUNGKIET

**RECEIVED DATE** : NOVEMBER 2-9, 2021  
**ANALYTICAL DATE** : NOVEMBER 2-9, 2021  
**REPORT NO.** : 2021-U87698  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T21AV713-0001 - T21AV713-0007

TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	NOVEMBER 2-3, 2021		
	T21AV713-0001		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	57.4	72.1	51.6
08:00-09:00 HOUR	64.8	78.0	56.5
09:00-10:00 HOUR	62.7	75.8	56.7
10:00-11:00 HOUR	65.3	77.6	56.6
11:00-12:00 HOUR	59.7	72.3	49.5
12:00-13:00 HOUR	53.8	64.5	48.2
13:00-14:00 HOUR	57.7	75.5	55.5
14:00-15:00 HOUR	55.7	69.3	54.5
15:00-16:00 HOUR	55.7	74.4	54.1
16:00-17:00 HOUR	56.4	68.1	54.9
17:00-18:00 HOUR	55.7	78.8	54.0
18:00-19:00 HOUR	57.2	76.5	53.8
19:00-20:00 HOUR	55.2	70.1	53.9
20:00-21:00 HOUR	55.5	71.0	54.0
21:00-22:00 HOUR	54.6	63.6	53.8
22:00-23:00 HOUR	54.6	59.3	54.0
23:00-00:00 HOUR	55.2	61.9	54.5
00:00-01:00 HOUR	56.9	73.6	54.9
01:00-02:00 HOUR	51.1	59.2	50.0
02:00-03:00 HOUR	51.3	60.0	49.9
03:00-04:00 HOUR	53.6	63.1	51.6
04:00-05:00 HOUR	55.3	63.0	54.1
05:00-06:00 HOUR	55.2	63.0	54.1
06:00-07:00 HOUR	56.5	77.5	53.9
L <sub>Aeq</sub> 24 hours	58.3		
L <sub>Adn</sub>	62.3		



TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	NOVEMBER 3-4, 2021		
	T21AV713-0002		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	53.1	74.2	45.5
08:00-09:00 HOUR	55.6	73.9	48.0
09:00-10:00 HOUR	60.8	73.6	53.5
10:00-11:00 HOUR	58.3	70.0	52.4
11:00-12:00 HOUR	64.4	80.2	56.2
12:00-13:00 HOUR	66.6	96.7	57.3
13:00-14:00 HOUR	62.1	80.6	56.0
14:00-15:00 HOUR	61.8	72.7	58.0
15:00-16:00 HOUR	63.6	82.1	57.1
16:00-17:00 HOUR	63.1	74.7	56.7
17:00-18:00 HOUR	59.3	72.7	56.0
18:00-19:00 HOUR	57.5	68.3	55.8
19:00-20:00 HOUR	56.4	69.6	53.5
20:00-21:00 HOUR	57.7	69.7	55.2
21:00-22:00 HOUR	57.2	69.3	55.5
22:00-23:00 HOUR	57.4	84.7	55.2
23:00-00:00 HOUR	58.4	74.5	55.2
00:00-01:00 HOUR	58.0	72.8	56.1
01:00-02:00 HOUR	59.1	84.1	56.4
02:00-03:00 HOUR	52.6	65.0	47.8
03:00-04:00 HOUR	54.6	62.2	47.9
04:00-05:00 HOUR	51.9	65.3	47.5
05:00-06:00 HOUR	52.9	62.2	47.2
06:00-07:00 HOUR	54.1	64.5	53.3
L <sub>Aeq</sub> 24 hours		60.0	
L <sub>Adn</sub>		63.8	



TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	NOVEMBER 4-5, 2021		
	T21AV713-0003		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	63.9	78.2	58.0
08:00-09:00 HOUR	65.3	75.2	58.5
09:00-10:00 HOUR	64.9	78.8	59.1
10:00-11:00 HOUR	59.3	85.3	55.1
11:00-12:00 HOUR	56.6	78.1	47.3
12:00-13:00 HOUR	61.1	78.4	52.8
13:00-14:00 HOUR	57.2	74.2	52.1
14:00-15:00 HOUR	63.4	76.2	54.1
15:00-16:00 HOUR	62.5	91.2	55.1
16:00-17:00 HOUR	63.9	75.0	57.3
17:00-18:00 HOUR	62.2	72.2	57.1
18:00-19:00 HOUR	57.6	78.0	54.5
19:00-20:00 HOUR	56.4	72.5	54.2
20:00-21:00 HOUR	58.4	79.6	54.4
21:00-22:00 HOUR	53.3	69.7	51.6
22:00-23:00 HOUR	55.4	67.1	53.3
23:00-00:00 HOUR	56.8	86.4	53.1
00:00-01:00 HOUR	54.8	67.0	52.8
01:00-02:00 HOUR	59.4	89.2	52.7
02:00-03:00 HOUR	56.8	79.5	52.9
03:00-04:00 HOUR	57.0	74.7	53.0
04:00-05:00 HOUR	56.7	76.7	54.1
05:00-06:00 HOUR	58.5	77.9	54.2
06:00-07:00 HOUR	55.3	66.0	54.2
L <sub>Aeq</sub> 24 hours		60.4	
L <sub>Adn</sub>		64.5	

TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	NOVEMBER 5-6, 2021		
	T21AV713-0004		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	54.3	63.1	52.3
08:00-09:00 HOUR	55.2	69.2	53.1
09:00-10:00 HOUR	64.3	84.9	57.8
10:00-11:00 HOUR	66.3	91.6	59.7
11:00-12:00 HOUR	60.8	76.5	59.1
12:00-13:00 HOUR	64.8	79.1	58.4
13:00-14:00 HOUR	62.6	78.8	57.7
14:00-15:00 HOUR	61.1	76.4	56.8
15:00-16:00 HOUR	63.5	87.9	58.5
16:00-17:00 HOUR	59.7	85.2	57.6
17:00-18:00 HOUR	60.6	72.1	58.1
18:00-19:00 HOUR	57.1	76.6	55.7
19:00-20:00 HOUR	56.5	66.1	55.6
20:00-21:00 HOUR	61.5	79.2	53.6
21:00-22:00 HOUR	59.2	74.6	53.6
22:00-23:00 HOUR	48.0	64.1	46.2
23:00-00:00 HOUR	47.3	54.8	46.0
00:00-01:00 HOUR	48.6	61.8	45.2
01:00-02:00 HOUR	49.3	66.7	45.0
02:00-03:00 HOUR	50.9	59.5	47.7
03:00-04:00 HOUR	51.5	70.4	46.6
04:00-05:00 HOUR	50.2	53.9	49.1
05:00-06:00 HOUR	50.7	58.5	49.1
06:00-07:00 HOUR	50.1	56.6	49.4
L <sub>Aeq</sub> 24 hours		59.9	
L <sub>Adn</sub>		61.1	

TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	NOVEMBER 6-7, 2021		
	T21AV713-0005		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	55.8	68.8	53.4
08:00-09:00 HOUR	60.1	67.9	53.7
09:00-10:00 HOUR	65.5	79.6	52.4
10:00-11:00 HOUR	60.3	78.5	56.6
11:00-12:00 HOUR	61.1	77.5	49.3
12:00-13:00 HOUR	59.5	70.1	53.8
13:00-14:00 HOUR	60.9	76.5	53.6
14:00-15:00 HOUR	58.7	77.4	54.4
15:00-16:00 HOUR	56.0	72.1	54.2
16:00-17:00 HOUR	58.7	78.3	53.8
17:00-18:00 HOUR	56.0	77.9	53.7
18:00-19:00 HOUR	58.7	79.3	54.1
19:00-20:00 HOUR	59.4	79.9	54.9
20:00-21:00 HOUR	59.2	77.3	53.5
21:00-22:00 HOUR	57.0	74.8	54.4
22:00-23:00 HOUR	51.4	58.8	50.3
23:00-00:00 HOUR	50.9	58.4	50.2
00:00-01:00 HOUR	50.9	63.7	49.6
01:00-02:00 HOUR	49.6	65.3	48.5
02:00-03:00 HOUR	49.1	52.5	48.3
03:00-04:00 HOUR	49.0	56.6	48.1
04:00-05:00 HOUR	49.1	57.2	48.2
05:00-06:00 HOUR	55.5	67.3	54.4
06:00-07:00 HOUR	57.4	70.3	56.1
L <sub>Aeq</sub> 24 hours		58.3	
L <sub>Adn</sub>		61.1	



TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	NOVEMBER 7-8, 2021		
	T21AV713-0006		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	59.1	75.5	57.2
08:00-09:00 HOUR	58.3	70.6	56.6
09:00-10:00 HOUR	57.7	69.2	56.4
10:00-11:00 HOUR	56.3	69.2	54.9
11:00-12:00 HOUR	57.1	74.4	55.3
12:00-13:00 HOUR	56.9	68.7	55.6
13:00-14:00 HOUR	59.0	85.4	55.0
14:00-15:00 HOUR	57.0	74.4	54.9
15:00-16:00 HOUR	56.4	70.4	55.2
16:00-17:00 HOUR	55.6	70.4	54.5
17:00-18:00 HOUR	56.5	81.4	54.2
18:00-19:00 HOUR	58.7	78.5	55.2
19:00-20:00 HOUR	55.8	63.5	54.8
20:00-21:00 HOUR	58.9	80.1	54.9
21:00-22:00 HOUR	56.0	66.4	54.6
22:00-23:00 HOUR	56.7	76.1	55.0
23:00-00:00 HOUR	56.2	74.4	54.5
00:00-01:00 HOUR	48.8	63.0	47.5
01:00-02:00 HOUR	48.6	61.6	47.4
02:00-03:00 HOUR	48.5	66.5	47.1
03:00-04:00 HOUR	48.7	56.0	47.0
04:00-05:00 HOUR	48.1	54.4	46.7
05:00-06:00 HOUR	57.0	72.4	54.6
06:00-07:00 HOUR	56.0	69.3	54.4
L <sub>Aeq</sub> 24 hours		56.4	
L <sub>Adn</sub>		60.9	

TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	NOVEMBER 8-9, 2021		
	T21AV713-0007		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	60.9	89.6	54.9
08:00-09:00 HOUR	57.1	69.9	55.0
09:00-10:00 HOUR	59.2	79.6	55.4
10:00-11:00 HOUR	55.8	65.8	54.7
11:00-12:00 HOUR	57.5	75.9	55.0
12:00-13:00 HOUR	57.5	70.8	55.4
13:00-14:00 HOUR	57.8	71.4	55.8
14:00-15:00 HOUR	57.2	69.5	55.9
15:00-16:00 HOUR	57.5	69.7	55.2
16:00-17:00 HOUR	56.0	73.5	54.3
17:00-18:00 HOUR	55.5	65.1	54.0
18:00-19:00 HOUR	55.2	68.1	53.3
19:00-20:00 HOUR	56.4	71.3	53.5
20:00-21:00 HOUR	56.7	68.9	54.2
21:00-22:00 HOUR	57.3	86.1	54.5
22:00-23:00 HOUR	57.9	68.7	55.4
23:00-00:00 HOUR	59.6	80.7	54.3
00:00-01:00 HOUR	62.1	85.4	53.5
01:00-02:00 HOUR	58.2	79.7	55.3
02:00-03:00 HOUR	55.5	76.4	54.1
03:00-04:00 HOUR	58.7	81.7	54.0
04:00-05:00 HOUR	55.7	68.7	54.0
05:00-06:00 HOUR	56.7	75.1	55.1
06:00-07:00 HOUR	63.8	87.5	55.8
L <sub>Aeq</sub> 24 hours		58.4	
L <sub>Adn</sub>		65.7	

*Sila Banjongjairuk*

(MR SILA BANJONGJAIKUK)  
LABORATORY SUPERVISOR

NOVEMBER 23, 2021



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**MEASURING SOURCE** : AT THE NORTH SIDE OF PROJECT'S FENCE  
**MEASURING TYPE** : AMBIENT (NOISE)  
**MEASURING DATE** : NOVEMBER 2-9, 2021  
**MEASURING TIME** : \*  
**MEASURING METHOD** : INTEGRATED SOUND LEVEL METER  
**MEASURED BY** : MR SIRAPAT JONGPHADUNGKIET

**RECEIVED DATE** : NOVEMBER 2-9, 2021  
**ANALYTICAL DATE** : NOVEMBER 2-9, 2021  
**REPORT NO.** : 2021-U87700  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T21AV713-0015 - T21AV713-0021

TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 2-3, 2021		
	T21AV713-0015		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.1	73.3	64.6
08:00-09:00 HOUR	65.2	67.9	64.7
09:00-10:00 HOUR	65.4	74.4	64.9
10:00-11:00 HOUR	65.3	68.8	64.9
11:00-12:00 HOUR	66.0	72.6	65.1
12:00-13:00 HOUR	68.8	85.3	65.1
13:00-14:00 HOUR	65.4	75.1	64.8
14:00-15:00 HOUR	65.4	68.4	64.9
15:00-16:00 HOUR	65.4	69.8	64.9
16:00-17:00 HOUR	65.2	76.2	64.7
17:00-18:00 HOUR	65.2	78.9	64.7
18:00-19:00 HOUR	65.2	67.9	64.7
19:00-20:00 HOUR	65.3	68.3	64.8
20:00-21:00 HOUR	65.3	67.3	64.8
21:00-22:00 HOUR	65.3	67.6	64.8
22:00-23:00 HOUR	65.4	69.7	64.9
23:00-00:00 HOUR	65.4	67.9	64.9
00:00-01:00 HOUR	65.3	67.8	64.8
01:00-02:00 HOUR	65.3	68.7	64.9
02:00-03:00 HOUR	65.3	67.6	64.8
03:00-04:00 HOUR	65.5	70.3	64.9
04:00-05:00 HOUR	65.4	67.5	64.9
05:00-06:00 HOUR	65.2	67.5	64.8
06:00-07:00 HOUR	65.3	68.0	64.8
L <sub>Aeq</sub> 24 hours	65.6		
L <sub>Adn</sub>	71.8		



TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 3-4, 2021		
	T21AV713-0016		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.3	67.9	64.9
08:00-09:00 HOUR	65.4	68.8	64.9
09:00-10:00 HOUR	65.4	67.8	64.9
10:00-11:00 HOUR	65.4	68.0	64.9
11:00-12:00 HOUR	65.3	67.8	64.8
12:00-13:00 HOUR	65.5	68.1	65.0
13:00-14:00 HOUR	65.5	67.8	65.0
14:00-15:00 HOUR	65.4	68.3	64.9
15:00-16:00 HOUR	65.4	68.1	65.0
16:00-17:00 HOUR	65.8	68.3	65.3
17:00-18:00 HOUR	65.8	68.3	65.3
18:00-19:00 HOUR	65.6	67.8	65.1
19:00-20:00 HOUR	65.5	67.9	65.0
20:00-21:00 HOUR	65.5	67.7	65.0
21:00-22:00 HOUR	65.6	69.0	65.1
22:00-23:00 HOUR	65.4	67.5	65.0
23:00-00:00 HOUR	65.4	67.5	64.9
00:00-01:00 HOUR	65.5	67.7	65.0
01:00-02:00 HOUR	65.8	80.3	65.2
02:00-03:00 HOUR	65.5	67.7	65.1
03:00-04:00 HOUR	65.4	71.2	64.9
04:00-05:00 HOUR	65.5	68.3	65.0
05:00-06:00 HOUR	65.4	69.3	64.9
06:00-07:00 HOUR	65.4	70.4	64.9
L <sub>Aeq</sub> 24 hours	65.5		
L <sub>Adn</sub>	71.9		



TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 4-5, 2021		
	T21AV713-0017		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.5	68.4	65.0
08:00-09:00 HOUR	65.4	77.7	64.9
09:00-10:00 HOUR	65.2	67.9	64.6
10:00-11:00 HOUR	65.3	71.8	64.8
11:00-12:00 HOUR	65.2	69.1	64.6
12:00-13:00 HOUR	65.3	67.7	64.8
13:00-14:00 HOUR	65.2	67.9	64.6
14:00-15:00 HOUR	65.3	69.0	64.8
15:00-16:00 HOUR	65.5	82.4	65.0
16:00-17:00 HOUR	65.5	70.9	65.1
17:00-18:00 HOUR	65.5	68.0	65.0
18:00-19:00 HOUR	65.3	70.0	64.9
19:00-20:00 HOUR	65.2	67.9	64.7
20:00-21:00 HOUR	65.1	71.5	64.7
21:00-22:00 HOUR	65.2	67.5	64.7
22:00-23:00 HOUR	65.0	68.4	64.5
23:00-00:00 HOUR	64.9	67.9	64.4
00:00-01:00 HOUR	65.0	67.3	64.5
01:00-02:00 HOUR	65.3	67.4	64.8
02:00-03:00 HOUR	65.2	67.8	64.8
03:00-04:00 HOUR	65.1	67.7	64.7
04:00-05:00 HOUR	65.3	67.6	64.8
05:00-06:00 HOUR	65.3	67.4	64.8
06:00-07:00 HOUR	64.9	66.8	64.5
L <sub>Aeq</sub> 24 hours	65.2		
L <sub>Adn</sub>	71.6		



TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 5-6, 2021		
	T21AV713-0018		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.0	67.0	64.5
08:00-09:00 HOUR	65.1	69.3	64.6
09:00-10:00 HOUR	65.2	67.7	64.7
10:00-11:00 HOUR	65.2	67.2	64.7
11:00-12:00 HOUR	65.1	67.3	64.7
12:00-13:00 HOUR	65.2	67.3	64.8
13:00-14:00 HOUR	65.3	67.9	64.8
14:00-15:00 HOUR	65.4	67.3	64.9
15:00-16:00 HOUR	65.4	67.6	64.8
16:00-17:00 HOUR	65.3	67.9	64.8
17:00-18:00 HOUR	65.3	67.4	64.8
18:00-19:00 HOUR	65.4	67.8	64.9
19:00-20:00 HOUR	65.3	67.6	64.7
20:00-21:00 HOUR	65.2	68.5	64.7
21:00-22:00 HOUR	65.2	67.5	64.7
22:00-23:00 HOUR	65.1	67.6	64.6
23:00-00:00 HOUR	65.1	67.8	64.6
00:00-01:00 HOUR	65.0	67.4	64.5
01:00-02:00 HOUR	65.1	78.8	64.5
02:00-03:00 HOUR	65.5	88.1	64.9
03:00-04:00 HOUR	65.5	79.5	65.0
04:00-05:00 HOUR	65.7	76.8	65.2
05:00-06:00 HOUR	65.5	67.3	65.1
06:00-07:00 HOUR	66.4	77.3	65.7
L <sub>Aeq</sub> 24 hours	65.3		
L <sub>Adn</sub>	71.8		

TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 6-7, 2021		
	T21AV713-0019		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	66.3	69.9	65.8
08:00-09:00 HOUR	66.5	76.2	65.9
09:00-10:00 HOUR	66.5	71.3	65.9
10:00-11:00 HOUR	67.6	83.2	66.1
11:00-12:00 HOUR	68.2	78.5	66.1
12:00-13:00 HOUR	66.6	72.5	66.0
13:00-14:00 HOUR	66.6	69.8	66.0
14:00-15:00 HOUR	66.6	71.2	66.1
15:00-16:00 HOUR	66.4	73.4	65.9
16:00-17:00 HOUR	66.5	75.8	66.0
17:00-18:00 HOUR	66.5	71.4	66.0
18:00-19:00 HOUR	66.5	70.1	66.0
19:00-20:00 HOUR	66.4	68.4	65.9
20:00-21:00 HOUR	66.5	68.7	66.0
21:00-22:00 HOUR	66.6	69.6	66.1
22:00-23:00 HOUR	66.7	69.8	66.2
23:00-00:00 HOUR	66.6	71.4	66.1
00:00-01:00 HOUR	66.7	74.0	66.1
01:00-02:00 HOUR	66.6	69.1	66.1
02:00-03:00 HOUR	66.7	73.1	66.1
03:00-04:00 HOUR	66.7	69.4	66.2
04:00-05:00 HOUR	66.6	72.6	66.1
05:00-06:00 HOUR	66.6	72.9	66.0
06:00-07:00 HOUR	66.6	70.0	66.1
L <sub>Aeq</sub> 24 hours		66.7	
L <sub>Adn</sub>		73.1	

TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 7-8, 2021		
	T21AV713-0020		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	66.7	70.2	66.1
08:00-09:00 HOUR	66.6	71.3	66.1
09:00-10:00 HOUR	66.6	70.2	66.0
10:00-11:00 HOUR	66.6	71.2	66.1
11:00-12:00 HOUR	66.8	69.2	66.2
12:00-13:00 HOUR	66.8	69.2	66.2
13:00-14:00 HOUR	66.9	69.6	66.4
14:00-15:00 HOUR	66.8	69.4	66.3
15:00-16:00 HOUR	67.0	69.8	66.4
16:00-17:00 HOUR	67.0	69.5	66.4
17:00-18:00 HOUR	66.9	69.5	66.4
18:00-19:00 HOUR	66.9	69.3	66.3
19:00-20:00 HOUR	66.9	69.5	66.3
20:00-21:00 HOUR	67.0	70.1	66.4
21:00-22:00 HOUR	66.8	69.1	66.3
22:00-23:00 HOUR	66.9	69.6	66.4
23:00-00:00 HOUR	67.0	70.5	66.4
00:00-01:00 HOUR	67.1	75.7	66.5
01:00-02:00 HOUR	66.9	69.4	66.5
02:00-03:00 HOUR	66.9	71.0	66.4
03:00-04:00 HOUR	66.9	69.5	66.4
04:00-05:00 HOUR	66.9	70.0	66.4
05:00-06:00 HOUR	67.0	70.7	66.4
06:00-07:00 HOUR	67.0	69.7	66.5
L <sub>Aeq</sub> 24 hours		66.9	
L <sub>Adn</sub>		73.3	



TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 8-9, 2021		
	T21AV713-0021		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	66.9	75.3	66.4
08:00-09:00 HOUR	66.8	70.2	66.3
09:00-10:00 HOUR	66.8	71.4	66.3
10:00-11:00 HOUR	66.8	69.8	66.2
11:00-12:00 HOUR	66.9	69.2	66.4
12:00-13:00 HOUR	66.9	69.7	66.4
13:00-14:00 HOUR	66.8	69.8	66.3
14:00-15:00 HOUR	66.9	77.8	66.4
15:00-16:00 HOUR	67.2	79.5	66.4
16:00-17:00 HOUR	67.5	77.5	66.2
17:00-18:00 HOUR	66.7	75.0	66.2
18:00-19:00 HOUR	66.7	71.3	66.1
19:00-20:00 HOUR	66.5	73.1	66.1
20:00-21:00 HOUR	66.7	71.2	66.1
21:00-22:00 HOUR	66.5	72.7	66.0
22:00-23:00 HOUR	66.6	71.5	66.0
23:00-00:00 HOUR	66.5	70.1	65.9
00:00-01:00 HOUR	66.6	68.9	66.1
01:00-02:00 HOUR	66.6	68.9	66.1
02:00-03:00 HOUR	66.6	70.9	66.1
03:00-04:00 HOUR	66.5	69.6	66.0
04:00-05:00 HOUR	66.6	70.2	66.0
05:00-06:00 HOUR	66.5	69.7	65.9
06:00-07:00 HOUR	66.7	72.2	66.1
L <sub>Aeq</sub> 24 hours		66.7	
L <sub>Adn</sub>		73.0	

*Sila*

(MR SILA BANJONGJAIKUK)  
LABORATORY SUPERVISOR

NOVEMBER 23, 2021

## ANALYSIS REPORT

<b>PROJECT NAME</b>	: TOP SPP EXPANSION PROJECT	<b>RECEIVED DATE</b>	: NOVEMBER 2-9, 2021
<b>CUSTOMER NAME</b>	: TTCL PUBLIC COMPANY LIMITED	<b>ANALYTICAL DATE</b>	: NOVEMBER 2-9, 2021
<b>ADDRESS</b>	: 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110	<b>REPORT NO.</b>	: 2021-U87701
<b>CONTACT INFORMATION</b>	: TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com	<b>WORK NO.</b>	: 2021-003286
<b>MEASURING SOURCE</b>	: AT THE EAST SIDE OF PROJECT'S FENCE	<b>ANALYSIS NO.</b>	: T21AV713-0022 - T21AV713-0028
<b>MEASURING TYPE</b>	: AMBIENT (NOISE)		
<b>MEASURING DATE</b>	: NOVEMBER 2-9, 2021		
<b>MEASURING TIME</b>	: *		
<b>MEASURING METHOD</b>	: INTEGRATED SOUND LEVEL METER		
<b>MEASURED BY</b>	: MR SIRAPAT JONGPHADUNGKIET		

TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	NOVEMBER 2-3, 2021		
	T21AV713-0022		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	66.2	90.0	64.3
08:00-09:00 HOUR	66.3	74.1	65.2
09:00-10:00 HOUR	66.3	74.8	65.2
10:00-11:00 HOUR	65.9	78.9	65.2
11:00-12:00 HOUR	66.1	79.7	65.4
12:00-13:00 HOUR	66.0	77.5	65.2
13:00-14:00 HOUR	66.0	74.1	65.4
14:00-15:00 HOUR	65.7	77.1	65.1
15:00-16:00 HOUR	65.6	70.5	65.1
16:00-17:00 HOUR	65.7	75.0	65.2
17:00-18:00 HOUR	65.6	73.2	65.1
18:00-19:00 HOUR	65.4	69.6	65.0
19:00-20:00 HOUR	65.6	78.9	64.9
20:00-21:00 HOUR	65.2	73.4	64.7
21:00-22:00 HOUR	65.2	68.8	64.7
22:00-23:00 HOUR	65.0	69.7	64.4
23:00-00:00 HOUR	65.1	67.9	64.5
00:00-01:00 HOUR	64.9	67.1	64.4
01:00-02:00 HOUR	65.0	67.3	64.4
02:00-03:00 HOUR	65.1	69.1	64.4
03:00-04:00 HOUR	65.1	67.0	64.6
04:00-05:00 HOUR	65.2	66.7	64.8
05:00-06:00 HOUR	65.3	66.7	64.8
06:00-07:00 HOUR	65.2	67.1	64.7
L <sub>Aeq</sub> 24 hours	65.6		
L <sub>Adn</sub>	71.6		





TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	NOVEMBER 3-4, 2021		
	T21AV713-0023		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.0	70.1	64.5
08:00-09:00 HOUR	65.1	66.6	64.7
09:00-10:00 HOUR	65.2	73.9	64.7
10:00-11:00 HOUR	65.2	74.8	64.5
11:00-12:00 HOUR	65.4	77.4	64.8
12:00-13:00 HOUR	65.7	73.7	64.7
13:00-14:00 HOUR	66.1	78.4	65.0
14:00-15:00 HOUR	66.0	77.7	64.9
15:00-16:00 HOUR	65.6	77.1	64.6
16:00-17:00 HOUR	65.6	76.0	64.4
17:00-18:00 HOUR	65.7	77.1	64.8
18:00-19:00 HOUR	65.4	80.7	64.4
19:00-20:00 HOUR	65.5	79.7	64.4
20:00-21:00 HOUR	65.2	73.3	64.4
21:00-22:00 HOUR	65.1	71.9	64.4
22:00-23:00 HOUR	65.4	75.5	64.3
23:00-00:00 HOUR	65.3	74.7	64.1
00:00-01:00 HOUR	64.9	76.1	64.1
01:00-02:00 HOUR	65.0	76.2	64.0
02:00-03:00 HOUR	65.5	83.5	64.0
03:00-04:00 HOUR	65.3	75.0	64.1
04:00-05:00 HOUR	65.1	79.9	64.1
05:00-06:00 HOUR	64.8	70.4	63.9
06:00-07:00 HOUR	67.6	76.7	64.8
L <sub>Aeq</sub> 24 hours	65.5		
L <sub>Adn</sub>	71.9		



TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	NOVEMBER 4-5, 2021		
	T21AV713-0024		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	67.1	77.1	65.3
08:00-09:00 HOUR	67.2	77.5	65.5
09:00-10:00 HOUR	66.9	75.0	65.5
10:00-11:00 HOUR	66.5	78.0	65.4
11:00-12:00 HOUR	65.8	74.8	65.0
12:00-13:00 HOUR	65.5	70.6	64.9
13:00-14:00 HOUR	65.5	71.2	65.0
14:00-15:00 HOUR	65.5	72.1	65.0
15:00-16:00 HOUR	65.7	71.5	65.1
16:00-17:00 HOUR	65.5	70.8	65.0
17:00-18:00 HOUR	65.3	73.2	64.9
18:00-19:00 HOUR	65.6	76.7	65.0
19:00-20:00 HOUR	65.5	79.0	64.6
20:00-21:00 HOUR	65.0	70.5	64.5
21:00-22:00 HOUR	65.1	66.9	64.6
22:00-23:00 HOUR	65.8	69.0	64.8
23:00-00:00 HOUR	66.1	70.2	64.8
00:00-01:00 HOUR	66.1	69.7	64.7
01:00-02:00 HOUR	65.9	70.0	64.7
02:00-03:00 HOUR	66.5	71.6	64.7
03:00-04:00 HOUR	66.0	70.7	64.6
04:00-05:00 HOUR	66.7	71.2	64.9
05:00-06:00 HOUR	66.3	70.1	64.8
06:00-07:00 HOUR	66.0	69.8	64.8
L <sub>Aeq</sub> 24 hours		66.0	
L <sub>Adn</sub>		72.5	

TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	NOVEMBER 5-6, 2021		
	T21AV713-0025		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.4	72.0	64.6
08:00-09:00 HOUR	65.0	69.0	64.3
09:00-10:00 HOUR	65.3	82.8	64.4
10:00-11:00 HOUR	66.4	82.2	64.7
11:00-12:00 HOUR	66.4	76.1	65.1
12:00-13:00 HOUR	66.2	80.3	64.9
13:00-14:00 HOUR	65.6	75.1	64.5
14:00-15:00 HOUR	65.1	77.3	63.9
15:00-16:00 HOUR	64.8	77.6	63.6
16:00-17:00 HOUR	65.0	78.4	63.7
17:00-18:00 HOUR	65.2	75.1	64.0
18:00-19:00 HOUR	64.6	75.8	63.6
19:00-20:00 HOUR	65.4	78.1	63.6
20:00-21:00 HOUR	65.5	82.2	64.1
21:00-22:00 HOUR	65.0	77.0	63.9
22:00-23:00 HOUR	64.9	73.5	64.1
23:00-00:00 HOUR	65.2	75.5	64.2
00:00-01:00 HOUR	65.0	78.9	64.1
01:00-02:00 HOUR	65.0	78.9	64.1
02:00-03:00 HOUR	65.1	79.1	64.2
03:00-04:00 HOUR	65.0	73.3	64.0
04:00-05:00 HOUR	65.2	74.1	64.3
05:00-06:00 HOUR	65.5	79.4	64.5
06:00-07:00 HOUR	65.5	75.9	64.4
L <sub>Aeq</sub> 24 hours	65.3		
L <sub>Adn</sub>	71.6		

TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	NOVEMBER 6-7, 2021		
	T21AV713-0026		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.1	76.5	64.1
08:00-09:00 HOUR	65.0	72.6	64.1
09:00-10:00 HOUR	65.0	70.7	64.1
10:00-11:00 HOUR	65.1	73.2	64.2
11:00-12:00 HOUR	64.9	73.7	64.2
12:00-13:00 HOUR	64.8	72.7	63.8
13:00-14:00 HOUR	65.3	69.1	64.6
14:00-15:00 HOUR	65.5	71.3	64.9
15:00-16:00 HOUR	65.3	67.9	64.7
16:00-17:00 HOUR	65.3	67.9	64.7
17:00-18:00 HOUR	65.6	68.2	64.8
18:00-19:00 HOUR	65.5	70.8	64.6
19:00-20:00 HOUR	65.1	71.3	64.2
20:00-21:00 HOUR	65.6	68.7	64.6
21:00-22:00 HOUR	65.8	68.7	65.0
22:00-23:00 HOUR	65.5	69.0	64.7
23:00-00:00 HOUR	65.6	69.1	64.7
00:00-01:00 HOUR	65.4	69.0	64.6
01:00-02:00 HOUR	65.3	79.4	64.5
02:00-03:00 HOUR	64.9	68.3	64.4
03:00-04:00 HOUR	64.8	68.2	64.3
04:00-05:00 HOUR	64.9	75.3	64.4
05:00-06:00 HOUR	65.1	78.1	64.4
06:00-07:00 HOUR	65.5	79.5	64.7
L <sub>Aeq</sub> 24 hours	65.3		
L <sub>Adn</sub>	71.6		



TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	NOVEMBER 7-8, 2021		
	T21AV713-0027		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	66.3	76.6	65.1
08:00-09:00 HOUR	65.9	81.7	64.7
09:00-10:00 HOUR	65.5	80.7	64.2
10:00-11:00 HOUR	65.2	75.3	64.1
11:00-12:00 HOUR	65.2	76.6	64.2
12:00-13:00 HOUR	65.1	73.8	64.4
13:00-14:00 HOUR	65.2	79.6	64.3
14:00-15:00 HOUR	65.0	76.6	64.1
15:00-16:00 HOUR	65.1	77.9	64.0
16:00-17:00 HOUR	65.3	80.0	64.0
17:00-18:00 HOUR	65.0	74.1	64.1
18:00-19:00 HOUR	64.5	74.6	63.7
19:00-20:00 HOUR	64.8	75.1	63.7
20:00-21:00 HOUR	65.1	78.8	64.0
21:00-22:00 HOUR	65.0	78.1	63.9
22:00-23:00 HOUR	64.9	73.1	63.9
23:00-00:00 HOUR	64.8	74.6	63.9
00:00-01:00 HOUR	64.9	76.6	64.0
01:00-02:00 HOUR	66.1	78.1	64.5
02:00-03:00 HOUR	65.9	76.2	64.6
03:00-04:00 HOUR	65.7	79.8	64.4
04:00-05:00 HOUR	65.9	76.9	64.8
05:00-06:00 HOUR	65.5	74.0	65.0
06:00-07:00 HOUR	65.5	74.0	64.8
L <sub>Aeq</sub> 24 hours	65.3		
L <sub>Adn</sub>	71.9		

TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	NOVEMBER 8-9, 2021		
	T21AV713-0028		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.2	76.6	64.6
08:00-09:00 HOUR	65.1	70.1	64.5
09:00-10:00 HOUR	65.3	71.9	64.6
10:00-11:00 HOUR	65.3	76.8	64.7
11:00-12:00 HOUR	65.3	69.9	64.7
12:00-13:00 HOUR	65.1	69.4	64.7
13:00-14:00 HOUR	65.1	68.9	64.6
14:00-15:00 HOUR	65.2	67.3	64.7
15:00-16:00 HOUR	65.0	77.8	64.5
16:00-17:00 HOUR	65.0	76.5	64.4
17:00-18:00 HOUR	66.4	68.7	65.6
18:00-19:00 HOUR	65.9	68.8	64.9
19:00-20:00 HOUR	65.4	66.9	64.9
20:00-21:00 HOUR	65.2	66.7	64.7
21:00-22:00 HOUR	65.3	77.4	64.8
22:00-23:00 HOUR	65.3	67.3	64.8
23:00-00:00 HOUR	65.3	67.0	64.9
00:00-01:00 HOUR	65.6	67.0	65.2
01:00-02:00 HOUR	65.5	68.5	65.0
02:00-03:00 HOUR	65.3	66.9	64.9
03:00-04:00 HOUR	65.3	66.9	64.8
04:00-05:00 HOUR	65.4	74.9	64.9
05:00-06:00 HOUR	65.5	76.2	65.0
06:00-07:00 HOUR	65.7	84.5	65.1
L <sub>Aeq</sub> 24 hours		65.4	
L <sub>Adn</sub>		71.8	

*Sila Banjongjairuk*

(MR SILA BANJONGJAIKUK)  
LABORATORY SUPERVISOR

NOVEMBER 23, 2021



## ANALYSIS REPORT

<b>PROJECT NAME</b>	: TOP SPP EXPANSION PROJECT	<b>RECEIVED DATE</b>	: NOVEMBER 2-9, 2021
<b>CUSTOMER NAME</b>	: TTCL PUBLIC COMPANY LIMITED	<b>ANALYTICAL DATE</b>	: NOVEMBER 2-9, 2021
<b>ADDRESS</b>	: 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110	<b>REPORT NO.</b>	: 2021-U87702
<b>CONTACT INFORMATION</b>	: TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com	<b>WORK NO.</b>	: 2021-003286
<b>MEASURING SOURCE</b>	: AT THE SOUTH SIDE OF PROJECT'S FENCE	<b>ANALYSIS NO.</b>	: T21AV713-0029 - T21AV713-0035
<b>MEASURING TYPE</b>	: AMBIENT (NOISE)		
<b>MEASURING DATE</b>	: NOVEMBER 2-9, 2021		
<b>MEASURING TIME</b>	: *		
<b>MEASURING METHOD</b>	: INTEGRATED SOUND LEVEL METER		
<b>MEASURED BY</b>	: MR SIRAPAT JONGPHADUNGKIET		

TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 2-3, 2021		
	T21AV713-0029		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.7	77.3	65.1
08:00-09:00 HOUR	65.6	80.0	65.0
09:00-10:00 HOUR	65.4	77.7	64.5
10:00-11:00 HOUR	64.8	75.8	63.9
11:00-12:00 HOUR	64.7	74.2	63.9
12:00-13:00 HOUR	64.9	76.0	64.2
13:00-14:00 HOUR	65.1	74.4	64.4
14:00-15:00 HOUR	64.9	70.0	64.3
15:00-16:00 HOUR	65.0	72.8	64.2
16:00-17:00 HOUR	65.0	76.4	64.2
17:00-18:00 HOUR	64.8	69.1	64.1
18:00-19:00 HOUR	64.8	70.3	64.0
19:00-20:00 HOUR	65.0	77.9	64.2
20:00-21:00 HOUR	64.7	70.0	64.0
21:00-22:00 HOUR	64.3	73.5	63.6
22:00-23:00 HOUR	64.5	71.5	63.6
23:00-00:00 HOUR	64.4	76.9	63.6
00:00-01:00 HOUR	64.4	69.1	63.7
01:00-02:00 HOUR	64.4	73.2	63.7
02:00-03:00 HOUR	64.9	72.8	64.0
03:00-04:00 HOUR	64.8	72.9	64.0
04:00-05:00 HOUR	64.9	82.6	63.7
05:00-06:00 HOUR	65.0	69.7	64.2
06:00-07:00 HOUR	65.2	69.1	64.7
L <sub>Aeq</sub> 24 hours	64.9		
L <sub>Adn</sub>	71.2		





TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 3-4, 2021		
	T21AV713-0030		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.2	74.0	64.6
08:00-09:00 HOUR	63.2	80.3	62.3
09:00-10:00 HOUR	64.7	86.6	62.3
10:00-11:00 HOUR	64.4	74.5	63.7
11:00-12:00 HOUR	64.0	75.5	63.5
12:00-13:00 HOUR	63.8	71.9	63.3
13:00-14:00 HOUR	63.9	70.6	63.5
14:00-15:00 HOUR	63.9	70.3	63.5
15:00-16:00 HOUR	63.9	68.6	63.5
16:00-17:00 HOUR	64.2	68.0	63.6
17:00-18:00 HOUR	64.3	71.3	63.6
18:00-19:00 HOUR	64.5	80.5	63.8
19:00-20:00 HOUR	64.0	71.9	63.5
20:00-21:00 HOUR	64.0	72.7	63.5
21:00-22:00 HOUR	64.9	95.2	63.7
22:00-23:00 HOUR	65.5	83.1	63.7
23:00-00:00 HOUR	64.0	75.1	63.5
00:00-01:00 HOUR	64.2	66.9	63.6
01:00-02:00 HOUR	64.3	78.4	63.6
02:00-03:00 HOUR	64.2	68.2	63.4
03:00-04:00 HOUR	64.3	67.9	63.6
04:00-05:00 HOUR	64.0	73.0	63.4
05:00-06:00 HOUR	63.8	66.9	63.2
06:00-07:00 HOUR	64.1	76.8	63.7
L <sub>Aeq</sub> 24 hours		64.2	
L <sub>Adn</sub>		70.7	

TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 4-5, 2021		
	T21AV713-0031		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	64.3	74.4	63.8
08:00-09:00 HOUR	64.1	81.3	63.5
09:00-10:00 HOUR	63.8	71.2	63.4
10:00-11:00 HOUR	63.8	67.0	63.3
11:00-12:00 HOUR	63.8	66.1	63.4
12:00-13:00 HOUR	63.8	65.6	63.5
13:00-14:00 HOUR	63.8	69.5	63.5
14:00-15:00 HOUR	64.7	80.4	63.5
15:00-16:00 HOUR	64.1	71.5	63.4
16:00-17:00 HOUR	64.0	76.5	63.4
17:00-18:00 HOUR	64.2	77.8	63.5
18:00-19:00 HOUR	66.6	80.2	63.0
19:00-20:00 HOUR	67.5	81.2	62.9
20:00-21:00 HOUR	64.5	81.9	62.0
21:00-22:00 HOUR	66.2	79.7	62.7
22:00-23:00 HOUR	66.3	89.5	63.0
23:00-00:00 HOUR	63.9	73.9	62.5
00:00-01:00 HOUR	63.7	77.6	62.6
01:00-02:00 HOUR	63.0	77.4	62.2
02:00-03:00 HOUR	63.2	73.1	61.7
03:00-04:00 HOUR	62.2	77.0	61.3
04:00-05:00 HOUR	62.1	69.7	61.3
05:00-06:00 HOUR	61.8	72.0	61.1
06:00-07:00 HOUR	61.9	71.6	61.1
L <sub>Aeq</sub> 24 hours	64.3		
L <sub>Adn</sub>	70.0		

TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 5-6, 2021		
	T21AV713-0032		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	62.0	75.4	61.1
08:00-09:00 HOUR	61.7	71.9	61.1
09:00-10:00 HOUR	61.8	70.4	61.2
10:00-11:00 HOUR	62.0	69.0	61.5
11:00-12:00 HOUR	61.9	68.1	61.5
12:00-13:00 HOUR	62.0	74.6	61.5
13:00-14:00 HOUR	62.1	72.2	61.6
14:00-15:00 HOUR	62.2	80.5	61.7
15:00-16:00 HOUR	62.0	72.2	61.5
16:00-17:00 HOUR	61.8	68.4	61.2
17:00-18:00 HOUR	61.9	67.5	61.3
18:00-19:00 HOUR	61.9	72.4	61.1
19:00-20:00 HOUR	61.9	65.1	61.4
20:00-21:00 HOUR	62.5	67.9	61.9
21:00-22:00 HOUR	62.1	67.4	61.6
22:00-23:00 HOUR	62.0	76.6	61.6
23:00-00:00 HOUR	62.1	71.4	61.6
00:00-01:00 HOUR	62.4	79.0	61.7
01:00-02:00 HOUR	65.0	88.1	61.7
02:00-03:00 HOUR	64.5	83.3	61.6
03:00-04:00 HOUR	63.3	77.8	61.7
04:00-05:00 HOUR	63.2	82.3	61.7
05:00-06:00 HOUR	65.8	81.8	62.5
06:00-07:00 HOUR	64.4	80.1	62.5
L <sub>Aeq</sub> 24 hours		62.8	
L <sub>Adn</sub>		70.0	



TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 6-7, 2021		
	T21AV713-0033		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	62.8	68.5	62.2
08:00-09:00 HOUR	62.4	69.9	61.5
09:00-10:00 HOUR	62.4	69.1	61.7
10:00-11:00 HOUR	62.3	69.5	61.5
11:00-12:00 HOUR	63.2	70.0	62.1
12:00-13:00 HOUR	67.3	87.2	61.9
13:00-14:00 HOUR	66.1	78.4	62.0
14:00-15:00 HOUR	62.4	67.1	61.6
15:00-16:00 HOUR	62.7	68.5	61.6
16:00-17:00 HOUR	62.8	70.9	61.8
17:00-18:00 HOUR	62.9	69.0	62.0
18:00-19:00 HOUR	63.4	73.3	61.8
19:00-20:00 HOUR	62.6	71.1	61.7
20:00-21:00 HOUR	66.2	82.7	61.9
21:00-22:00 HOUR	63.1	79.7	61.8
22:00-23:00 HOUR	64.1	79.3	62.2
23:00-00:00 HOUR	64.9	79.6	62.0
00:00-01:00 HOUR	62.3	68.5	61.7
01:00-02:00 HOUR	62.3	72.5	61.2
02:00-03:00 HOUR	63.7	80.2	61.8
03:00-04:00 HOUR	63.7	76.6	61.9
04:00-05:00 HOUR	63.6	75.4	61.8
05:00-06:00 HOUR	66.2	83.6	61.7
06:00-07:00 HOUR	63.8	80.4	61.7
L <sub>Aeq</sub> 24 hours		63.9	
L <sub>Adn</sub>		70.4	

TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 7-8, 2021		
	T21AV713-0034		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	63.9	76.8	61.9
08:00-09:00 HOUR	62.3	68.0	61.5
09:00-10:00 HOUR	62.7	66.4	61.8
10:00-11:00 HOUR	62.2	67.1	61.6
11:00-12:00 HOUR	62.7	75.0	61.5
12:00-13:00 HOUR	64.5	81.1	61.8
13:00-14:00 HOUR	64.1	79.0	61.7
14:00-15:00 HOUR	66.0	81.3	61.5
15:00-16:00 HOUR	63.4	80.5	61.8
16:00-17:00 HOUR	63.2	74.6	61.8
17:00-18:00 HOUR	63.0	73.7	61.8
18:00-19:00 HOUR	63.8	71.5	61.8
19:00-20:00 HOUR	63.6	72.8	61.6
20:00-21:00 HOUR	62.1	65.9	61.7
21:00-22:00 HOUR	62.4	68.4	61.9
22:00-23:00 HOUR	64.3	78.0	61.5
23:00-00:00 HOUR	62.4	67.7	61.6
00:00-01:00 HOUR	63.0	70.5	61.4
01:00-02:00 HOUR	62.2	67.5	61.1
02:00-03:00 HOUR	62.1	64.6	61.5
03:00-04:00 HOUR	62.3	64.4	61.8
04:00-05:00 HOUR	62.1	64.3	61.7
05:00-06:00 HOUR	62.8	79.0	61.6
06:00-07:00 HOUR	62.9	75.4	61.7
L <sub>Aeq</sub> 24 hours	63.2		
L <sub>Adn</sub>	69.3		

TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	NOVEMBER 8-9, 2021		
	T21AV713-0035		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	62.8	72.7	61.7
08:00-09:00 HOUR	64.4	79.7	61.9
09:00-10:00 HOUR	65.1	88.6	61.8
10:00-11:00 HOUR	63.1	75.0	61.4
11:00-12:00 HOUR	63.6	80.6	61.5
12:00-13:00 HOUR	62.1	73.7	61.2
13:00-14:00 HOUR	61.9	65.1	61.3
14:00-15:00 HOUR	61.7	63.7	61.1
15:00-16:00 HOUR	62.0	65.5	61.4
16:00-17:00 HOUR	61.9	64.0	61.4
17:00-18:00 HOUR	62.0	65.3	61.4
18:00-19:00 HOUR	61.8	64.3	61.3
19:00-20:00 HOUR	63.3	78.8	61.5
20:00-21:00 HOUR	62.0	70.6	61.3
21:00-22:00 HOUR	62.2	70.1	61.6
22:00-23:00 HOUR	62.0	66.5	61.4
23:00-00:00 HOUR	62.5	73.3	61.6
00:00-01:00 HOUR	62.7	77.2	61.4
01:00-02:00 HOUR	61.9	64.5	61.4
02:00-03:00 HOUR	61.9	64.8	61.5
03:00-04:00 HOUR	61.9	64.6	61.3
04:00-05:00 HOUR	62.2	66.1	61.8
05:00-06:00 HOUR	62.2	68.7	61.6
06:00-07:00 HOUR	62.4	67.8	61.5
L <sub>Aeq</sub> 24 hours		62.6	
L <sub>Adn</sub>		68.7	

*Sila Banjongjairuk*

(MR SILA BANJONGJAIKUK)  
LABORATORY SUPERVISOR

NOVEMBER 23, 2021



## ANALYSIS REPORT

<b>PROJECT NAME</b>	: TOP SPP EXPANSION PROJECT	<b>RECEIVED DATE</b>	: NOVEMBER 2-9, 2021
<b>CUSTOMER NAME</b>	: TTCL PUBLIC COMPANY LIMITED	<b>ANALYTICAL DATE</b>	: NOVEMBER 2-9, 2021
<b>ADDRESS</b>	: 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110	<b>REPORT NO.</b>	: 2021-U87703
<b>CONTACT INFORMATION</b>	: TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com	<b>WORK NO.</b>	: 2021-003286
<b>MEASURING SOURCE</b>	: AT THE WEST SIDE OF PROJECT'S FENCE	<b>ANALYSIS NO.</b>	: T21AV713-0036 - T21AV713-0042
<b>MEASURING TYPE</b>	: AMBIENT (NOISE)		
<b>MEASURING DATE</b>	: NOVEMBER 2-9, 2021		
<b>MEASURING TIME</b>	: *		
<b>MEASURING METHOD</b>	: INTEGRATED SOUND LEVEL METER		
<b>MEASURED BY</b>	: MR SIRAPAT JONGPHADUNGKIET		

TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	NOVEMBER 2-3, 2021		
	T21AV713-0036		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	69.0	82.2	67.7
08:00-09:00 HOUR	68.7	82.5	67.6
09:00-10:00 HOUR	68.8	84.0	67.8
10:00-11:00 HOUR	68.2	82.8	67.5
11:00-12:00 HOUR	67.8	73.0	67.5
12:00-13:00 HOUR	67.8	74.5	67.5
13:00-14:00 HOUR	67.8	70.0	67.5
14:00-15:00 HOUR	68.0	69.8	67.5
15:00-16:00 HOUR	68.1	70.2	67.6
16:00-17:00 HOUR	68.2	71.6	67.7
17:00-18:00 HOUR	68.3	70.3	67.8
18:00-19:00 HOUR	68.2	69.7	67.8
19:00-20:00 HOUR	68.2	70.1	67.7
20:00-21:00 HOUR	68.3	76.0	67.7
21:00-22:00 HOUR	67.9	69.4	67.4
22:00-23:00 HOUR	67.7	70.3	67.3
23:00-00:00 HOUR	67.8	70.3	67.3
00:00-01:00 HOUR	67.7	69.8	67.3
01:00-02:00 HOUR	67.7	70.1	67.2
02:00-03:00 HOUR	67.7	70.4	67.2
03:00-04:00 HOUR	67.7	69.2	67.3
04:00-05:00 HOUR	67.7	70.4	67.2
05:00-06:00 HOUR	67.6	70.3	67.2
06:00-07:00 HOUR	67.7	69.4	67.3
L <sub>Aeq</sub> 24 hours	68.0		
L <sub>Adn</sub>	74.2		



TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	NOVEMBER 3-4, 2021		
	T21AV713-0037		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	67.6	69.0	67.3
08:00-09:00 HOUR	67.6	69.4	67.2
09:00-10:00 HOUR	67.6	69.6	67.3
10:00-11:00 HOUR	67.7	69.2	67.3
11:00-12:00 HOUR	67.6	74.0	67.3
12:00-13:00 HOUR	67.8	76.0	67.2
13:00-14:00 HOUR	67.6	73.7	67.2
14:00-15:00 HOUR	67.9	82.4	67.2
15:00-16:00 HOUR	68.1	84.1	67.0
16:00-17:00 HOUR	69.3	89.6	67.2
17:00-18:00 HOUR	69.2	88.6	67.1
18:00-19:00 HOUR	68.4	85.3	67.2
19:00-20:00 HOUR	68.1	83.4	67.2
20:00-21:00 HOUR	68.5	84.7	67.3
21:00-22:00 HOUR	69.5	91.8	67.4
22:00-23:00 HOUR	68.7	85.4	67.2
23:00-00:00 HOUR	68.1	87.4	67.0
00:00-01:00 HOUR	67.4	72.9	66.9
01:00-02:00 HOUR	67.4	76.6	66.8
02:00-03:00 HOUR	69.7	86.3	67.3
03:00-04:00 HOUR	69.4	91.4	67.3
04:00-05:00 HOUR	68.4	82.8	67.2
05:00-06:00 HOUR	68.7	87.4	67.2
06:00-07:00 HOUR	68.7	86.0	67.3
L <sub>Aeq</sub> 24 hours		68.4	
L <sub>Adn</sub>		74.9	



TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	NOVEMBER 4-5, 2021		
	T21AV713-0038		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	68.5	88.5	67.5
08:00-09:00 HOUR	68.7	82.2	67.5
09:00-10:00 HOUR	68.7	83.8	67.5
10:00-11:00 HOUR	69.1	90.8	67.5
11:00-12:00 HOUR	68.3	84.8	67.6
12:00-13:00 HOUR	68.0	81.6	67.6
13:00-14:00 HOUR	67.9	83.7	67.5
14:00-15:00 HOUR	68.0	69.6	67.7
15:00-16:00 HOUR	68.1	73.1	67.7
16:00-17:00 HOUR	68.2	69.8	67.8
17:00-18:00 HOUR	68.2	71.8	67.8
18:00-19:00 HOUR	68.0	69.5	67.7
19:00-20:00 HOUR	68.1	72.9	67.7
20:00-21:00 HOUR	68.2	73.9	67.7
21:00-22:00 HOUR	67.9	69.2	67.4
22:00-23:00 HOUR	67.6	69.6	67.1
23:00-00:00 HOUR	67.4	71.4	67.0
00:00-01:00 HOUR	67.4	69.2	67.1
01:00-02:00 HOUR	67.5	68.6	67.1
02:00-03:00 HOUR	67.6	69.1	67.2
03:00-04:00 HOUR	67.6	69.5	67.2
04:00-05:00 HOUR	67.5	70.1	67.1
05:00-06:00 HOUR	67.6	70.9	67.2
06:00-07:00 HOUR	67.5	69.2	67.1
L <sub>Aeq</sub> 24 hours		68.0	
L <sub>Adn</sub>		74.0	



TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	NOVEMBER 5-6, 2021		
	T21AV713-0039		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	67.6	70.8	67.0
08:00-09:00 HOUR	67.5	69.3	67.1
09:00-10:00 HOUR	67.6	71.2	67.2
10:00-11:00 HOUR	67.6	69.8	67.2
11:00-12:00 HOUR	67.6	69.8	67.2
12:00-13:00 HOUR	67.9	91.2	67.2
13:00-14:00 HOUR	67.6	70.7	67.2
14:00-15:00 HOUR	67.8	81.3	67.1
15:00-16:00 HOUR	68.6	90.1	67.1
16:00-17:00 HOUR	68.4	84.6	67.0
17:00-18:00 HOUR	68.7	87.0	66.9
18:00-19:00 HOUR	68.4	97.1	66.9
19:00-20:00 HOUR	67.5	78.0	66.4
20:00-21:00 HOUR	67.4	82.4	66.5
21:00-22:00 HOUR	67.0	71.1	66.6
22:00-23:00 HOUR	67.2	85.3	66.6
23:00-00:00 HOUR	68.9	89.3	66.9
00:00-01:00 HOUR	68.7	86.6	67.0
01:00-02:00 HOUR	68.0	91.0	67.0
02:00-03:00 HOUR	69.5	92.8	67.1
03:00-04:00 HOUR	68.2	84.2	67.1
04:00-05:00 HOUR	68.5	85.3	67.1
05:00-06:00 HOUR	68.3	85.0	67.1
06:00-07:00 HOUR	68.6	88.9	67.1
L <sub>Aeq</sub> 24 hours	68.1		
L <sub>Adn</sub>	74.8		

TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	NOVEMBER 6-7, 2021		
	T21AV713-0040		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	69.1	82.6	67.5
08:00-09:00 HOUR	68.4	81.8	67.4
09:00-10:00 HOUR	68.4	73.8	67.5
10:00-11:00 HOUR	68.6	81.5	67.7
11:00-12:00 HOUR	69.1	83.7	67.7
12:00-13:00 HOUR	69.1	75.5	67.9
13:00-14:00 HOUR	68.6	77.3	67.7
14:00-15:00 HOUR	68.6	72.6	67.7
15:00-16:00 HOUR	68.5	72.0	67.5
16:00-17:00 HOUR	68.2	71.7	67.5
17:00-18:00 HOUR	67.9	74.1	67.3
18:00-19:00 HOUR	67.5	71.4	67.2
19:00-20:00 HOUR	67.3	69.6	66.9
20:00-21:00 HOUR	67.2	69.2	66.9
21:00-22:00 HOUR	67.2	69.2	66.9
22:00-23:00 HOUR	67.2	69.1	66.8
23:00-00:00 HOUR	67.3	69.8	66.9
00:00-01:00 HOUR	67.4	69.1	67.0
01:00-02:00 HOUR	67.3	70.4	67.0
02:00-03:00 HOUR	67.4	68.9	67.0
03:00-04:00 HOUR	67.3	69.3	66.9
04:00-05:00 HOUR	67.3	72.1	66.9
05:00-06:00 HOUR	67.3	68.5	67.0
06:00-07:00 HOUR	68.2	79.4	67.4
L <sub>Aeq</sub> 24 hours		68.0	
L <sub>Adn</sub>		74.0	

TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	NOVEMBER 7-8, 2021		
	T21AV713-0041		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	67.9	77.0	67.3
08:00-09:00 HOUR	68.1	76.1	67.3
09:00-10:00 HOUR	68.0	76.7	67.3
10:00-11:00 HOUR	68.4	76.5	67.4
11:00-12:00 HOUR	67.9	75.7	67.4
12:00-13:00 HOUR	67.8	73.1	67.4
13:00-14:00 HOUR	67.8	69.8	67.4
14:00-15:00 HOUR	67.9	74.4	67.4
15:00-16:00 HOUR	67.6	70.4	67.2
16:00-17:00 HOUR	67.6	69.8	67.2
17:00-18:00 HOUR	67.8	71.9	67.3
18:00-19:00 HOUR	67.6	69.3	67.3
19:00-20:00 HOUR	67.8	73.0	67.3
20:00-21:00 HOUR	67.7	71.4	67.3
21:00-22:00 HOUR	67.7	69.2	67.4
22:00-23:00 HOUR	67.8	70.9	67.3
23:00-00:00 HOUR	67.8	71.8	67.3
00:00-01:00 HOUR	68.0	73.3	67.6
01:00-02:00 HOUR	68.0	69.4	67.6
02:00-03:00 HOUR	68.0	75.2	67.6
03:00-04:00 HOUR	68.0	79.7	67.7
04:00-05:00 HOUR	68.0	74.7	67.7
05:00-06:00 HOUR	68.1	74.0	67.7
06:00-07:00 HOUR	68.2	76.7	67.8
L <sub>Aeq</sub> 24 hours	67.9		
L <sub>Adn</sub>	74.4		



TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	NOVEMBER 8-9, 2021		
	T21AV713-0042		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	68.1	72.0	67.7
08:00-09:00 HOUR	68.3	76.3	67.8
09:00-10:00 HOUR	68.3	77.0	67.5
10:00-11:00 HOUR	68.6	82.5	67.2
11:00-12:00 HOUR	68.2	82.8	66.9
12:00-13:00 HOUR	67.7	77.6	66.9
13:00-14:00 HOUR	67.7	83.2	66.8
14:00-15:00 HOUR	67.6	81.2	66.7
15:00-16:00 HOUR	68.8	89.1	66.6
16:00-17:00 HOUR	67.8	83.5	66.5
17:00-18:00 HOUR	68.0	89.3	66.2
18:00-19:00 HOUR	66.8	77.4	65.8
19:00-20:00 HOUR	66.9	78.7	65.9
20:00-21:00 HOUR	68.2	83.8	66.2
21:00-22:00 HOUR	67.5	87.0	66.1
22:00-23:00 HOUR	66.9	76.8	66.1
23:00-00:00 HOUR	67.1	81.3	66.1
00:00-01:00 HOUR	68.4	89.8	66.3
01:00-02:00 HOUR	68.2	86.1	66.4
02:00-03:00 HOUR	67.6	80.7	66.4
03:00-04:00 HOUR	67.5	83.3	66.4
04:00-05:00 HOUR	67.9	86.0	66.4
05:00-06:00 HOUR	68.9	83.6	68.5
06:00-07:00 HOUR	68.7	77.5	68.1
L <sub>Aeq</sub> 24 hours		67.9	
L <sub>Adn</sub>		74.4	

*Sila Banjongjairuk*

(MR SILA BANJONGJAIKUK)  
LABORATORY SUPERVISOR

NOVEMBER 23, 2021

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เดือนพฤษภาคม พ.ศ. 2565

## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**MEASURING SOURCE** : BAN THUNG COMMUNITY  
**MEASURING TYPE** : AMBIENT (NOISE)  
**MEASURING DATE** : MAY 6-13, 2022  
**MEASURING TIME** : \*  
**MEASURING METHOD** : INTEGRATED SOUND LEVEL METER  
**MEASURED BY** : MR SIRAPAT JONGPHADUNGKIET

**RECEIVED DATE** : MAY 6-13, 2022  
**ANALYTICAL DATE** : MAY 6-13, 2022  
**REPORT NO.** : 2022-U040771  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ072-0001 - T22AJ072-0007

TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	MAY 6-7, 2022		
	T22AJ072-0001		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	60.2	74.5	53.7
08:00-09:00 HOUR	60.1	76.4	55.2
09:00-10:00 HOUR	56.4	78.0	52.4
10:00-11:00 HOUR	53.3	70.6	51.3
11:00-12:00 HOUR	54.2	68.8	51.6
12:00-13:00 HOUR	61.6	79.7	54.4
13:00-14:00 HOUR	58.2	72.7	53.4
14:00-15:00 HOUR	57.3	76.8	53.0
15:00-16:00 HOUR	57.8	71.2	53.3
16:00-17:00 HOUR	58.0	79.6	53.6
17:00-18:00 HOUR	60.0	77.4	55.1
18:00-19:00 HOUR	55.5	69.0	53.0
19:00-20:00 HOUR	58.7	79.5	54.1
20:00-21:00 HOUR	59.1	75.3	53.7
21:00-22:00 HOUR	59.6	74.5	52.6
22:00-23:00 HOUR	58.3	70.8	52.2
23:00-00:00 HOUR	56.0	75.4	51.4
00:00-01:00 HOUR	52.0	62.5	50.6
01:00-02:00 HOUR	52.2	67.0	50.7
02:00-03:00 HOUR	51.8	73.7	50.4
03:00-04:00 HOUR	53.2	76.4	50.4
04:00-05:00 HOUR	51.9	72.0	50.7
05:00-06:00 HOUR	52.7	74.6	50.7
06:00-07:00 HOUR	51.5	66.0	50.6
L <sub>Aeq</sub> 24 hours	57.3		
L <sub>Adn</sub>	61.4		





TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	MAY 7-8, 2022		
	T22AJ072-0002		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	53.2	76.2	50.6
08:00-09:00 HOUR	62.8	78.4	52.5
09:00-10:00 HOUR	59.8	78.4	53.2
10:00-11:00 HOUR	56.2	75.5	52.8
11:00-12:00 HOUR	60.4	80.6	53.7
12:00-13:00 HOUR	58.1	75.4	52.0
13:00-14:00 HOUR	54.0	73.4	51.4
14:00-15:00 HOUR	55.4	71.8	50.9
15:00-16:00 HOUR	54.2	65.4	52.5
16:00-17:00 HOUR	60.1	77.4	54.1
17:00-18:00 HOUR	59.8	83.7	53.5
18:00-19:00 HOUR	55.8	81.7	52.4
19:00-20:00 HOUR	58.6	74.6	52.5
20:00-21:00 HOUR	52.8	67.1	51.7
21:00-22:00 HOUR	53.0	70.0	51.7
22:00-23:00 HOUR	53.2	72.4	51.9
23:00-00:00 HOUR	52.6	71.7	51.5
00:00-01:00 HOUR	52.7	75.8	51.4
01:00-02:00 HOUR	52.8	75.0	51.2
02:00-03:00 HOUR	52.3	73.2	50.8
03:00-04:00 HOUR	54.9	69.1	52.6
04:00-05:00 HOUR	57.9	75.7	52.8
05:00-06:00 HOUR	54.8	70.0	52.6
06:00-07:00 HOUR	55.2	71.0	52.1
L <sub>Aeq</sub> 24 hours		57.0	
L <sub>Adn</sub>		61.6	

TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	MAY 8-9, 2022		
	T22AJ072-0003		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	60.3	80.1	53.2
08:00-09:00 HOUR	57.7	72.3	52.0
09:00-10:00 HOUR	58.4	77.4	52.1
10:00-11:00 HOUR	58.9	79.4	52.3
11:00-12:00 HOUR	55.8	67.5	51.0
12:00-13:00 HOUR	57.1	76.4	52.7
13:00-14:00 HOUR	58.1	74.4	53.0
14:00-15:00 HOUR	56.6	75.7	53.0
15:00-16:00 HOUR	56.4	73.3	52.9
16:00-17:00 HOUR	58.6	77.9	54.1
17:00-18:00 HOUR	58.7	76.7	55.3
18:00-19:00 HOUR	58.8	75.3	54.2
19:00-20:00 HOUR	62.8	79.9	54.8
20:00-21:00 HOUR	60.4	68.7	55.2
21:00-22:00 HOUR	57.6	74.9	53.3
22:00-23:00 HOUR	56.7	75.7	53.0
23:00-00:00 HOUR	58.2	73.0	53.7
00:00-01:00 HOUR	56.9	68.8	53.4
01:00-02:00 HOUR	53.9	65.7	52.5
02:00-03:00 HOUR	53.7	67.1	52.2
03:00-04:00 HOUR	52.8	62.4	51.9
04:00-05:00 HOUR	52.1	63.1	50.8
05:00-06:00 HOUR	52.4	58.9	51.4
06:00-07:00 HOUR	53.7	78.2	51.7
L <sub>Aeq</sub> 24 hours		57.7	
L <sub>Adn</sub>		62.2	

TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	MAY 9-10, 2022		
	T22AJ072-0004		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	52.4	60.5	51.5
08:00-09:00 HOUR	54.1	78.1	51.9
09:00-10:00 HOUR	60.1	84.3	53.2
10:00-11:00 HOUR	60.0	69.9	52.6
11:00-12:00 HOUR	56.1	69.4	53.4
12:00-13:00 HOUR	57.2	72.3	54.0
13:00-14:00 HOUR	60.9	79.0	53.7
14:00-15:00 HOUR	63.8	75.2	57.1
15:00-16:00 HOUR	64.2	77.8	57.2
16:00-17:00 HOUR	59.5	79.5	55.0
17:00-18:00 HOUR	61.4	85.9	55.6
18:00-19:00 HOUR	60.4	72.9	54.5
19:00-20:00 HOUR	59.7	75.0	54.2
20:00-21:00 HOUR	58.3	81.0	54.5
21:00-22:00 HOUR	58.7	72.7	54.6
22:00-23:00 HOUR	55.2	69.8	53.8
23:00-00:00 HOUR	55.6	65.8	54.1
00:00-01:00 HOUR	54.8	72.4	52.7
01:00-02:00 HOUR	53.0	65.2	51.7
02:00-03:00 HOUR	53.2	63.9	51.5
03:00-04:00 HOUR	52.6	64.9	51.5
04:00-05:00 HOUR	53.0	63.6	51.6
05:00-06:00 HOUR	52.8	65.9	51.2
06:00-07:00 HOUR	53.8	73.3	52.1
L <sub>Aeq</sub> 24 hours		58.6	
L <sub>Adn</sub>		61.9	



TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	MAY 10-11, 2022		
	T22AJ072-0005		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	55.1	62.9	52.9
08:00-09:00 HOUR	56.8	71.0	53.1
09:00-10:00 HOUR	58.2	73.1	53.4
10:00-11:00 HOUR	56.0	70.7	53.3
11:00-12:00 HOUR	55.7	72.2	53.2
12:00-13:00 HOUR	60.8	80.1	53.3
13:00-14:00 HOUR	61.3	81.1	55.0
14:00-15:00 HOUR	61.6	80.0	55.6
15:00-16:00 HOUR	58.0	81.9	53.8
16:00-17:00 HOUR	60.1	78.6	54.9
17:00-18:00 HOUR	62.4	79.3	55.4
18:00-19:00 HOUR	56.1	74.2	52.9
19:00-20:00 HOUR	56.2	75.5	53.0
20:00-21:00 HOUR	55.9	74.1	53.0
21:00-22:00 HOUR	55.1	71.0	52.3
22:00-23:00 HOUR	57.1	73.2	53.2
23:00-00:00 HOUR	54.3	72.8	52.1
00:00-01:00 HOUR	53.5	69.6	51.3
01:00-02:00 HOUR	53.9	70.0	51.3
02:00-03:00 HOUR	52.9	68.3	50.7
03:00-04:00 HOUR	52.7	67.4	50.8
04:00-05:00 HOUR	52.4	66.4	50.2
05:00-06:00 HOUR	54.5	63.9	51.1
06:00-07:00 HOUR	52.1	61.0	51.3
L <sub>Aeq</sub> 24 hours		57.5	
L <sub>Adn</sub>		61.5	

TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	MAY 11-12, 2022		
	T22AJ072-0006		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	53.4	74.6	52.3
08:00-09:00 HOUR	58.6	71.4	55.3
09:00-10:00 HOUR	59.1	81.3	55.4
10:00-11:00 HOUR	61.4	77.5	57.0
11:00-12:00 HOUR	61.7	75.0	57.6
12:00-13:00 HOUR	60.8	72.0	56.2
13:00-14:00 HOUR	61.2	79.5	57.5
14:00-15:00 HOUR	62.2	77.4	58.0
15:00-16:00 HOUR	61.3	75.3	55.7
16:00-17:00 HOUR	60.4	70.2	55.9
17:00-18:00 HOUR	60.0	72.7	54.8
18:00-19:00 HOUR	61.9	80.9	55.8
19:00-20:00 HOUR	55.6	73.1	52.9
20:00-21:00 HOUR	54.7	65.9	53.1
21:00-22:00 HOUR	56.1	69.3	53.8
22:00-23:00 HOUR	52.8	64.0	51.4
23:00-00:00 HOUR	52.5	62.6	51.6
00:00-01:00 HOUR	52.5	71.5	51.4
01:00-02:00 HOUR	52.2	72.3	50.7
02:00-03:00 HOUR	51.4	59.7	50.6
03:00-04:00 HOUR	51.6	60.5	51.0
04:00-05:00 HOUR	52.8	69.7	51.1
05:00-06:00 HOUR	52.0	65.6	50.9
06:00-07:00 HOUR	51.7	76.0	50.9
L <sub>Aeq</sub> 24 hours	58.3		
L <sub>Adn</sub>	60.9		

TIME*	RESULT dB(A)		
	BAN THUNG COMMUNITY		
	MAY 12-13, 2022		
	T22AJ072-0007		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	52.1	73.0	50.8
08:00-09:00 HOUR	51.9	60.8	51.2
09:00-10:00 HOUR	58.9	72.9	53.4
10:00-11:00 HOUR	58.8	76.9	53.0
11:00-12:00 HOUR	59.8	74.5	53.0
12:00-13:00 HOUR	60.4	75.8	55.0
13:00-14:00 HOUR	60.9	72.6	54.7
14:00-15:00 HOUR	64.0	74.1	55.2
15:00-16:00 HOUR	54.7	68.7	52.4
16:00-17:00 HOUR	54.6	68.3	52.4
17:00-18:00 HOUR	55.1	70.5	52.7
18:00-19:00 HOUR	54.9	70.7	52.6
19:00-20:00 HOUR	56.6	74.4	53.7
20:00-21:00 HOUR	55.8	71.6	53.1
21:00-22:00 HOUR	52.5	73.6	51.3
22:00-23:00 HOUR	51.8	61.1	50.9
23:00-00:00 HOUR	52.0	61.2	51.0
00:00-01:00 HOUR	51.6	63.9	51.0
01:00-02:00 HOUR	51.2	58.3	50.6
02:00-03:00 HOUR	51.5	70.6	50.7
03:00-04:00 HOUR	51.6	58.1	51.1
04:00-05:00 HOUR	52.1	62.3	51.2
05:00-06:00 HOUR	51.9	59.8	51.0
06:00-07:00 HOUR	52.2	75.9	51.2
L <sub>Aeq</sub> 24 hours		56.7	
L <sub>Adn</sub>		59.9	

*Sila Banjongjairuk*

(MR SILA BANJONGJAIRUK)  
LABORATORY SUPERVISOR

JUNE 3, 2022



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**MEASURING SOURCE** : AO UDOM VILLAGE  
**MEASURING TYPE** : AMBIENT (NOISE)  
**MEASURING DATE** : MAY 6-13, 2022  
**MEASURING TIME** : \*  
**MEASURING METHOD** : INTEGRATED SOUND LEVEL METER  
**MEASURED BY** : MR SIRAPAT JONGPHADUNGKIET

**RECEIVED DATE** : MAY 6-13, 2022  
**ANALYTICAL DATE** : MAY 6-13, 2022  
**REPORT NO.** : 2022-U040773  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ072-0008 - T22AJ072-0014

TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	MAY 6-7, 2022		
	T22AJ072-0008		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	50.1	75.1	46.3
08:00-09:00 HOUR	49.1	76.0	45.7
09:00-10:00 HOUR	48.5	74.4	45.2
10:00-11:00 HOUR	48.3	72.8	44.9
11:00-12:00 HOUR	49.2	75.3	45.7
12:00-13:00 HOUR	49.4	75.5	46.3
13:00-14:00 HOUR	49.1	74.6	45.0
14:00-15:00 HOUR	49.9	77.2	46.4
15:00-16:00 HOUR	48.8	74.6	45.5
16:00-17:00 HOUR	49.3	74.9	45.6
17:00-18:00 HOUR	49.8	76.0	45.9
18:00-19:00 HOUR	49.2	76.9	45.3
19:00-20:00 HOUR	48.9	75.1	45.6
20:00-21:00 HOUR	49.0	74.1	45.0
21:00-22:00 HOUR	52.8	79.1	47.8
22:00-23:00 HOUR	46.3	73.4	42.9
23:00-00:00 HOUR	45.8	72.4	42.0
00:00-01:00 HOUR	45.7	72.6	41.8
01:00-02:00 HOUR	45.0	69.3	41.2
02:00-03:00 HOUR	45.0	70.6	41.2
03:00-04:00 HOUR	45.3	70.2	41.6
04:00-05:00 HOUR	45.5	71.3	42.0
05:00-06:00 HOUR	45.1	72.2	41.6
06:00-07:00 HOUR	50.0	70.4	41.9
L <sub>Aeq</sub> 24 hours		48.6	
L <sub>Adn</sub>		53.3	



TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	MAY 7-8, 2022		
	T22AJ072-0009		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	51.3	73.4	44.6
08:00-09:00 HOUR	51.9	80.2	46.4
09:00-10:00 HOUR	51.3	76.4	47.7
10:00-11:00 HOUR	52.2	77.8	48.6
11:00-12:00 HOUR	52.8	78.5	49.2
12:00-13:00 HOUR	52.9	79.2	49.1
13:00-14:00 HOUR	54.4	80.0	50.7
14:00-15:00 HOUR	54.7	79.0	51.2
15:00-16:00 HOUR	52.8	77.9	48.7
16:00-17:00 HOUR	52.2	79.6	47.6
17:00-18:00 HOUR	52.8	78.5	49.2
18:00-19:00 HOUR	51.3	77.0	47.4
19:00-20:00 HOUR	52.0	76.4	48.6
20:00-21:00 HOUR	51.1	75.2	47.4
21:00-22:00 HOUR	51.7	81.7	47.3
22:00-23:00 HOUR	46.1	71.8	42.2
23:00-00:00 HOUR	46.3	74.3	42.6
00:00-01:00 HOUR	45.7	71.6	42.1
01:00-02:00 HOUR	45.5	71.1	41.7
02:00-03:00 HOUR	45.7	71.7	42.0
03:00-04:00 HOUR	45.6	73.4	41.5
04:00-05:00 HOUR	45.7	71.4	42.1
05:00-06:00 HOUR	46.6	73.0	42.5
06:00-07:00 HOUR	53.5	76.5	46.8
L <sub>Aeq</sub> 24 hours		51.2	
L <sub>Adn</sub>		55.2	

TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	MAY 8-9, 2022		
	T22AJ072-0010		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	52.1	78.4	47.7
08:00-09:00 HOUR	50.1	77.5	45.8
09:00-10:00 HOUR	49.5	76.0	45.9
10:00-11:00 HOUR	51.2	77.9	47.8
11:00-12:00 HOUR	51.5	77.2	47.7
12:00-13:00 HOUR	50.6	78.0	46.5
13:00-14:00 HOUR	52.0	78.2	48.3
14:00-15:00 HOUR	51.8	79.1	48.0
15:00-16:00 HOUR	51.0	77.0	47.5
16:00-17:00 HOUR	52.3	80.5	48.1
17:00-18:00 HOUR	52.9	82.0	47.9
18:00-19:00 HOUR	51.5	80.5	47.8
19:00-20:00 HOUR	51.1	77.2	46.7
20:00-21:00 HOUR	51.0	77.6	47.0
21:00-22:00 HOUR	49.6	77.9	45.6
22:00-23:00 HOUR	45.0	71.6	41.2
23:00-00:00 HOUR	45.5	71.9	42.0
00:00-01:00 HOUR	45.3	71.1	41.5
01:00-02:00 HOUR	45.9	72.2	42.2
02:00-03:00 HOUR	45.0	71.9	41.6
03:00-04:00 HOUR	45.7	71.3	42.3
04:00-05:00 HOUR	45.2	70.5	41.3
05:00-06:00 HOUR	44.9	69.0	41.1
06:00-07:00 HOUR	49.7	75.4	45.5
L <sub>Aeq</sub> 24 hours		50.0	
L <sub>Adn</sub>		53.7	



TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	MAY 9-10, 2022		
	T22AJ072-0011		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	48.8	76.6	44.6
08:00-09:00 HOUR	51.1	81.9	45.5
09:00-10:00 HOUR	50.8	77.7	47.1
10:00-11:00 HOUR	49.5	79.1	44.1
11:00-12:00 HOUR	48.3	75.9	44.2
12:00-13:00 HOUR	49.3	76.8	45.9
13:00-14:00 HOUR	50.2	76.5	46.4
14:00-15:00 HOUR	51.0	78.0	46.7
15:00-16:00 HOUR	48.6	73.5	44.7
16:00-17:00 HOUR	49.3	75.9	46.3
17:00-18:00 HOUR	50.0	76.0	46.8
18:00-19:00 HOUR	50.9	77.6	47.0
19:00-20:00 HOUR	52.2	81.0	48.1
20:00-21:00 HOUR	51.0	76.9	47.8
21:00-22:00 HOUR	54.7	82.6	49.3
22:00-23:00 HOUR	46.0	72.1	42.3
23:00-00:00 HOUR	45.4	70.8	41.7
00:00-01:00 HOUR	45.2	70.5	41.4
01:00-02:00 HOUR	45.2	71.3	41.2
02:00-03:00 HOUR	45.1	70.7	41.7
03:00-04:00 HOUR	45.1	70.6	41.4
04:00-05:00 HOUR	45.0	71.0	41.5
05:00-06:00 HOUR	45.7	71.2	41.5
06:00-07:00 HOUR	51.0	72.9	43.0
L <sub>Aeq</sub> 24 hours		49.6	
L <sub>Adn</sub>		53.8	

TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	MAY 10-11, 2022		
	T22AJ072-0012		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	49.2	76.7	46.0
08:00-09:00 HOUR	49.1	74.8	44.4
09:00-10:00 HOUR	48.7	76.1	45.2
10:00-11:00 HOUR	49.8	73.8	45.0
11:00-12:00 HOUR	49.7	76.6	45.6
12:00-13:00 HOUR	50.2	75.0	46.8
13:00-14:00 HOUR	49.5	76.2	45.9
14:00-15:00 HOUR	50.1	77.5	46.7
15:00-16:00 HOUR	50.8	76.9	47.2
16:00-17:00 HOUR	49.8	74.2	45.7
17:00-18:00 HOUR	49.1	75.0	45.4
18:00-19:00 HOUR	50.9	78.3	46.7
19:00-20:00 HOUR	49.8	75.4	45.4
20:00-21:00 HOUR	49.6	74.8	43.6
21:00-22:00 HOUR	48.8	74.7	46.1
22:00-23:00 HOUR	45.4	73.5	42.4
23:00-00:00 HOUR	45.1	71.9	41.6
00:00-01:00 HOUR	44.9	71.5	41.5
01:00-02:00 HOUR	45.2	69.8	41.8
02:00-03:00 HOUR	45.2	70.3	41.7
03:00-04:00 HOUR	45.3	71.0	41.5
04:00-05:00 HOUR	45.3	71.6	41.4
05:00-06:00 HOUR	45.2	70.3	41.7
06:00-07:00 HOUR	48.8	74.1	45.3
L <sub>Aeq</sub> 24 hours		48.6	
L <sub>Adn</sub>		53.0	

TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	MAY 11-12, 2022		
	T22AJ072-0013		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	50.6	75.9	46.8
08:00-09:00 HOUR	49.1	74.4	45.4
09:00-10:00 HOUR	48.9	75.1	45.1
10:00-11:00 HOUR	48.5	73.3	45.4
11:00-12:00 HOUR	48.4	72.6	44.6
12:00-13:00 HOUR	49.2	77.4	45.6
13:00-14:00 HOUR	48.5	76.9	44.4
14:00-15:00 HOUR	50.4	77.3	46.4
15:00-16:00 HOUR	49.0	76.0	45.3
16:00-17:00 HOUR	48.6	73.5	45.0
17:00-18:00 HOUR	49.4	75.2	45.8
18:00-19:00 HOUR	49.3	72.6	45.4
19:00-20:00 HOUR	48.8	76.8	45.6
20:00-21:00 HOUR	48.3	73.4	45.1
21:00-22:00 HOUR	52.5	83.0	47.5
22:00-23:00 HOUR	45.5	71.8	42.0
23:00-00:00 HOUR	45.4	71.6	41.9
00:00-01:00 HOUR	45.4	70.0	42.0
01:00-02:00 HOUR	44.9	70.3	41.5
02:00-03:00 HOUR	45.0	71.6	41.5
03:00-04:00 HOUR	45.3	70.5	42.0
04:00-05:00 HOUR	45.1	71.5	42.0
05:00-06:00 HOUR	45.1	70.3	41.2
06:00-07:00 HOUR	50.6	72.8	44.0
L <sub>Aeq</sub> 24 hours	48.5		
L <sub>Adn</sub>	53.3		



TIME*	RESULT dB(A)		
	AO UDOM VILLAGE		
	MAY 12-13, 2022		
	T22AJ072-0014		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	51.4	78.4	47.9
08:00-09:00 HOUR	52.7	78.4	48.1
09:00-10:00 HOUR	52.0	78.4	48.2
10:00-11:00 HOUR	51.9	78.5	48.7
11:00-12:00 HOUR	53.1	79.7	49.5
12:00-13:00 HOUR	52.9	76.3	49.2
13:00-14:00 HOUR	54.0	79.8	50.1
14:00-15:00 HOUR	54.5	82.5	50.8
15:00-16:00 HOUR	52.4	80.4	48.4
16:00-17:00 HOUR	52.9	81.7	48.6
17:00-18:00 HOUR	53.0	79.8	49.3
18:00-19:00 HOUR	52.0	78.3	48.1
19:00-20:00 HOUR	52.3	77.0	48.6
20:00-21:00 HOUR	51.1	75.2	47.8
21:00-22:00 HOUR	51.3	76.8	47.3
22:00-23:00 HOUR	46.7	72.5	43.2
23:00-00:00 HOUR	46.6	72.5	42.4
00:00-01:00 HOUR	45.5	70.6	42.0
01:00-02:00 HOUR	45.9	72.1	42.2
02:00-03:00 HOUR	45.5	71.3	42.0
03:00-04:00 HOUR	46.0	71.8	42.0
04:00-05:00 HOUR	45.3	71.0	41.4
05:00-06:00 HOUR	46.8	72.6	43.5
06:00-07:00 HOUR	50.0	77.1	45.5
L <sub>Aeq</sub> 24 hours		51.2	
L <sub>Adn</sub>		54.6	

*Sila Banjongjairuk*

(MR SILA BANJONGJAIRUK)  
LABORATORY SUPERVISOR

JUNE 3, 2022

## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**MEASURING SOURCE** : AT THE NORTH SIDE OF PROJECT'S FENCE  
**MEASURING TYPE** : AMBIENT (NOISE)  
**MEASURING DATE** : MAY 6-13, 2022  
**MEASURING TIME** : \*  
**MEASURING METHOD** : INTEGRATED SOUND LEVEL METER  
**MEASURED BY** : MR SIRAPAT JONGPHADUNGKIET

**RECEIVED DATE** : MAY 6-13, 2022  
**ANALYTICAL DATE** : MAY 6-13, 2022  
**REPORT NO.** : 2022-U040774  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ072-0015 - T22AJ072-0021

TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	MAY 6-7, 2022		
	T22AJ072-0015		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	64.7	68.3	64.2
08:00-09:00 HOUR	64.8	68.2	64.3
09:00-10:00 HOUR	64.5	75.7	63.9
10:00-11:00 HOUR	65.9	84.3	64.1
11:00-12:00 HOUR	66.7	86.9	64.2
12:00-13:00 HOUR	65.8	79.4	64.6
13:00-14:00 HOUR	65.8	76.9	64.4
14:00-15:00 HOUR	65.3	80.4	63.7
15:00-16:00 HOUR	64.8	83.9	62.9
16:00-17:00 HOUR	64.3	78.3	62.9
17:00-18:00 HOUR	64.0	81.9	62.9
18:00-19:00 HOUR	64.0	73.7	63.0
19:00-20:00 HOUR	64.4	77.2	63.1
20:00-21:00 HOUR	64.2	78.1	62.9
21:00-22:00 HOUR	64.3	76.6	62.9
22:00-23:00 HOUR	64.7	79.0	63.3
23:00-00:00 HOUR	65.1	83.2	63.9
00:00-01:00 HOUR	65.3	84.5	63.8
01:00-02:00 HOUR	65.6	75.6	64.0
02:00-03:00 HOUR	65.5	80.1	64.3
03:00-04:00 HOUR	65.2	74.0	64.3
04:00-05:00 HOUR	65.0	74.5	64.1
05:00-06:00 HOUR	65.1	80.4	63.7
06:00-07:00 HOUR	64.8	76.7	63.2
L <sub>Aeq</sub> 24 hours	65.0		
L <sub>Adn</sub>	71.5		



TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	MAY 7-8, 2022		
	T22AJ072-0016		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	64.8	76.7	63.5
08:00-09:00 HOUR	65.2	79.5	63.5
09:00-10:00 HOUR	65.2	75.7	63.6
10:00-11:00 HOUR	65.2	75.9	63.8
11:00-12:00 HOUR	64.4	73.5	63.3
12:00-13:00 HOUR	64.7	77.9	63.4
13:00-14:00 HOUR	64.6	73.6	63.6
14:00-15:00 HOUR	64.8	71.6	63.9
15:00-16:00 HOUR	65.1	69.9	64.2
16:00-17:00 HOUR	64.8	74.1	63.9
17:00-18:00 HOUR	65.0	73.1	64.2
18:00-19:00 HOUR	64.8	72.0	64.2
19:00-20:00 HOUR	65.1	69.4	64.6
20:00-21:00 HOUR	64.6	71.3	64.2
21:00-22:00 HOUR	64.6	67.6	64.1
22:00-23:00 HOUR	64.6	73.1	64.1
23:00-00:00 HOUR	64.8	79.5	64.0
00:00-01:00 HOUR	64.8	84.2	64.0
01:00-02:00 HOUR	66.4	69.6	65.4
02:00-03:00 HOUR	65.3	67.4	64.9
03:00-04:00 HOUR	65.3	68.8	64.8
04:00-05:00 HOUR	65.8	71.7	64.6
05:00-06:00 HOUR	65.4	71.6	64.5
06:00-07:00 HOUR	65.3	69.4	64.4
L <sub>Aeq</sub> 24 hours		65.0	
L <sub>Adn</sub>		71.7	



TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	MAY 8-9, 2022		
	T22AJ072-0017		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	64.8	72.1	64.0
08:00-09:00 HOUR	65.4	79.8	64.1
09:00-10:00 HOUR	65.9	78.4	64.7
10:00-11:00 HOUR	66.7	79.4	65.1
11:00-12:00 HOUR	66.9	83.6	65.4
12:00-13:00 HOUR	66.0	74.3	65.0
13:00-14:00 HOUR	65.9	82.0	64.6
14:00-15:00 HOUR	65.6	83.0	64.2
15:00-16:00 HOUR	64.9	76.4	63.6
16:00-17:00 HOUR	64.9	73.9	63.7
17:00-18:00 HOUR	64.7	74.3	63.6
18:00-19:00 HOUR	64.9	79.1	63.4
19:00-20:00 HOUR	65.0	75.3	63.8
20:00-21:00 HOUR	66.1	88.8	64.7
21:00-22:00 HOUR	66.8	91.4	65.0
22:00-23:00 HOUR	65.8	77.9	64.8
23:00-00:00 HOUR	66.4	77.1	65.1
00:00-01:00 HOUR	65.9	77.4	64.6
01:00-02:00 HOUR	65.7	79.4	64.7
02:00-03:00 HOUR	66.0	79.5	64.5
03:00-04:00 HOUR	65.5	77.1	64.3
04:00-05:00 HOUR	65.4	80.5	64.1
05:00-06:00 HOUR	64.9	74.9	63.6
06:00-07:00 HOUR	65.0	76.7	63.9
L <sub>Aeq</sub> 24 hours		65.7	
L <sub>Adn</sub>		72.1	

TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	MAY 9-10, 2022		
	T22AJ072-0018		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.3	77.5	64.2
08:00-09:00 HOUR	67.0	70.0	66.5
09:00-10:00 HOUR	66.9	71.5	66.5
10:00-11:00 HOUR	66.9	70.5	66.5
11:00-12:00 HOUR	67.1	71.5	66.7
12:00-13:00 HOUR	67.3	70.8	66.9
13:00-14:00 HOUR	67.2	69.9	66.9
14:00-15:00 HOUR	67.1	68.9	66.8
15:00-16:00 HOUR	67.1	69.2	66.8
16:00-17:00 HOUR	67.2	69.1	66.9
17:00-18:00 HOUR	67.4	70.4	67.0
18:00-19:00 HOUR	68.2	71.3	67.8
19:00-20:00 HOUR	68.0	72.0	67.4
20:00-21:00 HOUR	68.0	71.4	67.4
21:00-22:00 HOUR	67.7	70.6	67.2
22:00-23:00 HOUR	68.0	71.2	67.5
23:00-00:00 HOUR	67.7	72.6	67.2
00:00-01:00 HOUR	68.2	74.8	67.4
01:00-02:00 HOUR	67.5	72.6	67.1
02:00-03:00 HOUR	67.8	77.6	67.1
03:00-04:00 HOUR	67.9	73.8	67.3
04:00-05:00 HOUR	68.2	86.2	67.4
05:00-06:00 HOUR	68.2	76.4	67.3
06:00-07:00 HOUR	68.0	75.1	67.3
L <sub>Aeq</sub> 24 hours		67.5	
L <sub>Adn</sub>		74.3	

TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	MAY 10-11, 2022		
	T22AJ072-0019		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	67.7	77.1	67.1
08:00-09:00 HOUR	67.6	77.3	67.0
09:00-10:00 HOUR	67.0	71.8	66.2
10:00-11:00 HOUR	67.0	76.4	66.3
11:00-12:00 HOUR	67.4	73.0	66.1
12:00-13:00 HOUR	68.2	87.0	66.7
13:00-14:00 HOUR	67.8	78.0	67.0
14:00-15:00 HOUR	67.7	79.2	66.5
15:00-16:00 HOUR	69.4	74.7	67.6
16:00-17:00 HOUR	68.1	79.1	67.1
17:00-18:00 HOUR	67.5	78.0	66.9
18:00-19:00 HOUR	67.1	73.6	66.6
19:00-20:00 HOUR	66.7	72.4	66.0
20:00-21:00 HOUR	67.2	72.8	66.5
21:00-22:00 HOUR	67.1	74.9	66.5
22:00-23:00 HOUR	67.9	86.2	66.7
23:00-00:00 HOUR	66.9	73.7	66.4
00:00-01:00 HOUR	66.9	75.9	66.4
01:00-02:00 HOUR	66.9	71.9	66.4
02:00-03:00 HOUR	66.8	71.0	66.4
03:00-04:00 HOUR	66.8	78.4	66.4
04:00-05:00 HOUR	66.8	76.6	66.5
05:00-06:00 HOUR	66.9	71.4	66.5
06:00-07:00 HOUR	68.1	70.8	65.0
L <sub>Aeq</sub> 24 hours		67.4	
L <sub>Adn</sub>		73.6	



TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	MAY 11-12, 2022		
	T22AJ072-0020		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	63.5	70.6	63.0
08:00-09:00 HOUR	63.8	67.2	63.5
09:00-10:00 HOUR	64.8	73.7	63.8
10:00-11:00 HOUR	63.8	66.6	63.6
11:00-12:00 HOUR	63.6	68.1	63.4
12:00-13:00 HOUR	63.7	66.5	63.5
13:00-14:00 HOUR	63.9	67.0	63.6
14:00-15:00 HOUR	64.2	75.1	63.8
15:00-16:00 HOUR	64.1	65.1	63.8
16:00-17:00 HOUR	64.5	84.2	63.9
17:00-18:00 HOUR	64.1	67.2	63.8
18:00-19:00 HOUR	64.1	66.7	63.8
19:00-20:00 HOUR	64.1	66.2	63.8
20:00-21:00 HOUR	64.0	65.1	63.8
21:00-22:00 HOUR	64.2	70.5	63.9
22:00-23:00 HOUR	64.2	71.1	63.9
23:00-00:00 HOUR	64.7	79.3	63.9
00:00-01:00 HOUR	65.0	83.2	64.0
01:00-02:00 HOUR	64.6	75.7	63.8
02:00-03:00 HOUR	66.9	82.2	63.9
03:00-04:00 HOUR	65.1	87.5	63.9
04:00-05:00 HOUR	65.4	77.8	64.3
05:00-06:00 HOUR	64.8	77.6	63.2
06:00-07:00 HOUR	65.0	76.4	63.1
L <sub>Aeq</sub> 24 hours		64.5	
L <sub>Adn</sub>		71.4	

TIME*	RESULT dB(A)		
	AT THE NORTH SIDE OF PROJECT'S FENCE		
	MAY 12-13, 2022		
	T22AJ072-0021		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	64.1	73.5	63.0
08:00-09:00 HOUR	63.3	74.2	60.8
09:00-10:00 HOUR	61.9	80.4	60.3
10:00-11:00 HOUR	60.9	76.6	59.7
11:00-12:00 HOUR	60.2	75.6	58.8
12:00-13:00 HOUR	59.1	73.4	58.2
13:00-14:00 HOUR	59.9	81.5	58.3
14:00-15:00 HOUR	60.6	72.4	58.9
15:00-16:00 HOUR	62.5	78.9	60.9
16:00-17:00 HOUR	62.7	75.6	60.2
17:00-18:00 HOUR	63.5	82.9	61.6
18:00-19:00 HOUR	62.4	72.7	60.8
19:00-20:00 HOUR	63.8	78.6	60.8
20:00-21:00 HOUR	62.1	81.3	60.4
21:00-22:00 HOUR	60.8	78.3	59.7
22:00-23:00 HOUR	65.5	79.1	64.6
23:00-00:00 HOUR	65.4	78.3	64.6
00:00-01:00 HOUR	65.8	82.8	64.3
01:00-02:00 HOUR	65.2	77.7	64.1
02:00-03:00 HOUR	64.5	78.7	63.9
03:00-04:00 HOUR	64.2	81.7	63.7
04:00-05:00 HOUR	64.2	71.3	63.8
05:00-06:00 HOUR	64.5	74.2	63.9
06:00-07:00 HOUR	64.3	72.0	63.9
L <sub>Aeq</sub> 24 hours		63.4	
L <sub>Adn</sub>		71.0	

*Sila Banjongjairuk*

(MR SILA BANJONGJAIKUK)  
LABORATORY SUPERVISOR

JUNE 3, 2022

## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**MEASURING SOURCE** : AT THE EAST SIDE OF PROJECT'S FENCE  
**MEASURING TYPE** : AMBIENT (NOISE)  
**MEASURING DATE** : MAY 6-13, 2022  
**MEASURING TIME** : \*  
**MEASURING METHOD** : INTEGRATED SOUND LEVEL METER  
**MEASURED BY** : MR SIRAPAT JONGPHADUNGKIET

**RECEIVED DATE** : MAY 6-13, 2022  
**ANALYTICAL DATE** : MAY 6-13, 2022  
**REPORT NO.** : 2022-U040779  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ072-0022 - T22AJ072-0028

TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	MAY 6-7, 2022		
	T22AJ072-0022		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	68.5	92.9	64.3
08:00-09:00 HOUR	65.1	74.8	64.2
09:00-10:00 HOUR	65.3	81.0	64.2
10:00-11:00 HOUR	65.6	82.2	64.3
11:00-12:00 HOUR	65.5	80.5	64.2
12:00-13:00 HOUR	65.4	73.5	64.2
13:00-14:00 HOUR	65.2	74.7	64.3
14:00-15:00 HOUR	66.0	82.1	64.5
15:00-16:00 HOUR	65.7	81.9	64.4
16:00-17:00 HOUR	65.1	74.1	64.4
17:00-18:00 HOUR	64.8	72.4	64.1
18:00-19:00 HOUR	64.7	72.2	64.1
19:00-20:00 HOUR	64.9	69.6	64.3
20:00-21:00 HOUR	64.8	74.4	64.1
21:00-22:00 HOUR	64.8	71.1	64.3
22:00-23:00 HOUR	64.9	69.5	64.4
23:00-00:00 HOUR	64.6	73.8	64.1
00:00-01:00 HOUR	64.9	69.6	64.3
01:00-02:00 HOUR	64.4	66.6	64.0
02:00-03:00 HOUR	64.4	70.0	63.9
03:00-04:00 HOUR	64.6	69.4	64.1
04:00-05:00 HOUR	64.6	69.9	64.2
05:00-06:00 HOUR	64.6	68.8	64.1
06:00-07:00 HOUR	64.6	69.3	64.2
L <sub>Aeq</sub> 24 hours		65.2	
L <sub>Adn</sub>		71.2	





TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	MAY 7-8, 2022		
	T22AJ072-0023		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	64.5	69.7	64.0
08:00-09:00 HOUR	64.6	67.2	64.1
09:00-10:00 HOUR	64.4	70.6	63.8
10:00-11:00 HOUR	64.2	71.3	63.7
11:00-12:00 HOUR	64.2	67.7	63.6
12:00-13:00 HOUR	64.4	71.8	63.9
13:00-14:00 HOUR	65.6	84.5	63.9
14:00-15:00 HOUR	67.5	90.1	64.3
15:00-16:00 HOUR	66.1	77.4	64.8
16:00-17:00 HOUR	66.5	81.0	64.6
17:00-18:00 HOUR	65.6	82.8	64.3
18:00-19:00 HOUR	65.8	79.2	64.0
19:00-20:00 HOUR	65.3	83.1	63.7
20:00-21:00 HOUR	65.7	84.9	63.7
21:00-22:00 HOUR	65.6	78.6	64.3
22:00-23:00 HOUR	65.1	76.9	64.2
23:00-00:00 HOUR	65.7	80.3	64.1
00:00-01:00 HOUR	65.0	75.7	63.6
01:00-02:00 HOUR	64.8	83.8	63.4
02:00-03:00 HOUR	64.6	77.8	63.2
03:00-04:00 HOUR	65.5	79.8	63.8
04:00-05:00 HOUR	66.2	83.5	64.4
05:00-06:00 HOUR	66.3	81.1	64.6
06:00-07:00 HOUR	65.8	78.7	64.8
L <sub>Aeq</sub> 24 hours		65.5	
L <sub>Adn</sub>		71.9	

TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	MAY 8-9, 2022		
	T22AJ072-0024		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.7	74.8	64.8
08:00-09:00 HOUR	65.5	80.1	64.6
09:00-10:00 HOUR	65.5	75.4	64.8
10:00-11:00 HOUR	65.7	78.4	64.7
11:00-12:00 HOUR	65.6	75.3	64.8
12:00-13:00 HOUR	65.7	81.3	64.3
13:00-14:00 HOUR	65.9	85.7	64.3
14:00-15:00 HOUR	65.8	77.8	64.5
15:00-16:00 HOUR	66.0	80.4	64.8
16:00-17:00 HOUR	65.3	68.4	64.7
17:00-18:00 HOUR	65.1	68.9	64.6
18:00-19:00 HOUR	65.2	77.6	64.5
19:00-20:00 HOUR	64.9	69.5	64.4
20:00-21:00 HOUR	65.0	74.1	64.5
21:00-22:00 HOUR	65.0	68.5	64.5
22:00-23:00 HOUR	65.1	69.0	64.6
23:00-00:00 HOUR	65.1	70.0	64.6
00:00-01:00 HOUR	65.0	68.4	64.5
01:00-02:00 HOUR	64.7	67.4	64.3
02:00-03:00 HOUR	64.7	68.6	64.3
03:00-04:00 HOUR	64.7	69.1	64.3
04:00-05:00 HOUR	64.6	66.1	64.2
05:00-06:00 HOUR	64.4	66.0	64.0
06:00-07:00 HOUR	64.5	71.8	64.0
L <sub>Aeq</sub> 24 hours		65.2	
L <sub>Adn</sub>		71.3	

TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	MAY 9-10, 2022		
	T22AJ072-0025		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	64.5	65.7	64.1
08:00-09:00 HOUR	64.5	65.8	64.1
09:00-10:00 HOUR	64.5	66.6	64.1
10:00-11:00 HOUR	65.0	70.2	64.1
11:00-12:00 HOUR	64.8	73.0	64.2
12:00-13:00 HOUR	64.6	71.4	64.1
13:00-14:00 HOUR	65.8	86.6	64.2
14:00-15:00 HOUR	65.5	74.0	64.3
15:00-16:00 HOUR	66.0	76.7	64.8
16:00-17:00 HOUR	66.1	77.7	64.7
17:00-18:00 HOUR	65.4	78.1	64.2
18:00-19:00 HOUR	65.3	83.7	63.8
19:00-20:00 HOUR	64.8	81.0	63.5
20:00-21:00 HOUR	64.3	78.2	63.5
21:00-22:00 HOUR	64.6	75.5	63.7
22:00-23:00 HOUR	65.3	78.5	64.3
23:00-00:00 HOUR	65.1	72.3	64.2
00:00-01:00 HOUR	65.8	76.0	64.8
01:00-02:00 HOUR	65.6	74.6	64.6
02:00-03:00 HOUR	66.8	78.2	65.4
03:00-04:00 HOUR	66.4	76.1	65.2
04:00-05:00 HOUR	65.8	74.9	65.0
05:00-06:00 HOUR	66.0	75.8	65.1
06:00-07:00 HOUR	65.8	75.3	65.0
L <sub>Aeq</sub> 24 hours		65.4	
L <sub>Adn</sub>		72.2	



TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	MAY 10-11, 2022		
	T22AJ072-0026		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.6	80.8	64.6
08:00-09:00 HOUR	65.8	75.6	64.9
09:00-10:00 HOUR	66.1	76.9	65.0
10:00-11:00 HOUR	66.0	77.2	64.8
11:00-12:00 HOUR	66.5	82.1	65.1
12:00-13:00 HOUR	66.3	81.1	65.1
13:00-14:00 HOUR	66.4	84.2	64.8
14:00-15:00 HOUR	65.2	71.6	64.7
15:00-16:00 HOUR	65.1	72.0	64.5
16:00-17:00 HOUR	64.8	70.1	64.1
17:00-18:00 HOUR	64.9	70.3	64.3
18:00-19:00 HOUR	65.1	68.2	64.3
19:00-20:00 HOUR	65.8	71.5	65.0
20:00-21:00 HOUR	65.6	74.2	64.8
21:00-22:00 HOUR	65.0	69.4	64.2
22:00-23:00 HOUR	64.6	74.4	63.8
23:00-00:00 HOUR	64.5	69.3	63.9
00:00-01:00 HOUR	64.5	68.8	63.5
01:00-02:00 HOUR	65.8	100.1	64.4
02:00-03:00 HOUR	64.9	73.4	64.4
03:00-04:00 HOUR	65.0	66.6	64.6
04:00-05:00 HOUR	65.0	70.3	64.5
05:00-06:00 HOUR	65.0	69.4	64.4
06:00-07:00 HOUR	64.8	66.5	64.3
L <sub>Aeq</sub> 24 hours		65.4	
L <sub>Adn</sub>		71.4	

TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	MAY 11-12, 2022		
	T22AJ072-0027		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	65.1	66.9	64.6
08:00-09:00 HOUR	65.1	69.4	64.6
09:00-10:00 HOUR	65.1	69.4	64.5
10:00-11:00 HOUR	64.6	79.6	63.9
11:00-12:00 HOUR	66.8	85.5	64.3
12:00-13:00 HOUR	65.2	74.7	64.4
13:00-14:00 HOUR	65.7	73.8	64.8
14:00-15:00 HOUR	65.7	75.1	64.7
15:00-16:00 HOUR	64.8	71.0	64.0
16:00-17:00 HOUR	64.8	73.4	63.7
17:00-18:00 HOUR	64.4	76.1	63.3
18:00-19:00 HOUR	64.1	71.2	63.3
19:00-20:00 HOUR	63.9	69.5	63.2
20:00-21:00 HOUR	64.0	74.1	62.9
21:00-22:00 HOUR	63.8	71.2	62.9
22:00-23:00 HOUR	63.8	75.0	62.6
23:00-00:00 HOUR	63.7	71.9	62.8
00:00-01:00 HOUR	63.5	72.7	62.4
01:00-02:00 HOUR	63.4	71.9	62.5
02:00-03:00 HOUR	63.9	79.2	62.8
03:00-04:00 HOUR	66.0	81.7	63.5
04:00-05:00 HOUR	65.3	76.7	64.3
05:00-06:00 HOUR	65.8	75.9	64.8
06:00-07:00 HOUR	65.6	73.8	64.7
L <sub>Aeq</sub> 24 hours		64.8	
L <sub>Adn</sub>		71.1	

TIME*	RESULT dB(A)		
	AT THE EAST SIDE OF PROJECT'S FENCE		
	MAY 12-13, 2022		
	T22AJ072-0028		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	64.8	75.7	64.2
08:00-09:00 HOUR	64.5	73.8	63.8
09:00-10:00 HOUR	64.2	71.9	63.5
10:00-11:00 HOUR	64.0	67.7	63.4
11:00-12:00 HOUR	64.3	77.6	63.6
12:00-13:00 HOUR	64.3	72.0	63.7
13:00-14:00 HOUR	65.0	81.6	64.2
14:00-15:00 HOUR	65.0	70.1	64.5
15:00-16:00 HOUR	65.0	71.7	64.6
16:00-17:00 HOUR	65.1	67.9	64.7
17:00-18:00 HOUR	65.2	67.7	64.6
18:00-19:00 HOUR	65.3	75.4	64.7
19:00-20:00 HOUR	65.3	68.8	64.9
20:00-21:00 HOUR	65.2	68.7	64.7
21:00-22:00 HOUR	65.2	75.5	64.7
22:00-23:00 HOUR	64.7	66.5	64.2
23:00-00:00 HOUR	64.8	67.3	64.3
00:00-01:00 HOUR	65.2	69.7	64.6
01:00-02:00 HOUR	65.0	75.6	64.2
02:00-03:00 HOUR	65.0	68.5	64.4
03:00-04:00 HOUR	64.7	68.1	64.1
04:00-05:00 HOUR	64.5	67.8	64.0
05:00-06:00 HOUR	64.9	76.8	64.3
06:00-07:00 HOUR	64.6	68.6	64.1
L <sub>Aeq</sub> 24 hours		64.8	
L <sub>Adn</sub>		71.2	

*Sila Banjongjairuk*

(MR SILA BANJONGJAIKUK)  
LABORATORY SUPERVISOR

JUNE 3, 2022



## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**MEASURING SOURCE** : AT THE SOUTH SIDE OF PROJECT'S FENCE  
**MEASURING TYPE** : AMBIENT (NOISE)  
**MEASURING DATE** : MAY 6-13, 2022  
**MEASURING TIME** : \*  
**MEASURING METHOD** : INTEGRATED SOUND LEVEL METER  
**MEASURED BY** : MR SIRAPAT JONGPHADUNGKIET

**RECEIVED DATE** : MAY 6-13, 2022  
**ANALYTICAL DATE** : MAY 6-13, 2022  
**REPORT NO.** : 2022-U040781  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ072-0029 - T22AJ072-0035

TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	MAY 6-7, 2022		
	T22AJ072-0029		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	62.8	84.3	59.6
08:00-09:00 HOUR	60.4	73.1	59.6
09:00-10:00 HOUR	61.9	80.3	60.5
10:00-11:00 HOUR	61.9	75.8	60.7
11:00-12:00 HOUR	61.5	76.9	60.2
12:00-13:00 HOUR	60.8	71.8	60.1
13:00-14:00 HOUR	61.2	75.9	60.4
14:00-15:00 HOUR	60.8	72.8	60.3
15:00-16:00 HOUR	60.9	69.2	60.4
16:00-17:00 HOUR	60.9	67.0	60.4
17:00-18:00 HOUR	60.9	69.2	60.4
18:00-19:00 HOUR	60.8	68.7	60.4
19:00-20:00 HOUR	60.9	70.4	60.4
20:00-21:00 HOUR	62.3	81.5	60.4
21:00-22:00 HOUR	60.4	65.5	60.0
22:00-23:00 HOUR	60.4	63.7	60.0
23:00-00:00 HOUR	60.5	63.7	60.0
00:00-01:00 HOUR	60.6	65.8	60.1
01:00-02:00 HOUR	60.6	68.0	60.1
02:00-03:00 HOUR	60.7	68.6	60.1
03:00-04:00 HOUR	60.9	77.1	60.2
04:00-05:00 HOUR	60.7	78.0	60.1
05:00-06:00 HOUR	61.2	63.9	60.7
06:00-07:00 HOUR	61.2	67.4	60.7
L <sub>Aeq</sub> 24 hours	61.1		
L <sub>Adn</sub>	67.3		



TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	MAY 7-8, 2022		
	T22AJ072-0030		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	60.9	70.7	60.5
08:00-09:00 HOUR	61.0	65.0	60.5
09:00-10:00 HOUR	61.0	63.1	60.6
10:00-11:00 HOUR	61.1	66.9	60.6
11:00-12:00 HOUR	61.3	71.7	60.6
12:00-13:00 HOUR	62.3	79.4	60.8
13:00-14:00 HOUR	61.5	70.9	60.7
14:00-15:00 HOUR	62.1	71.8	61.2
15:00-16:00 HOUR	62.8	74.1	61.3
16:00-17:00 HOUR	63.7	85.5	61.8
17:00-18:00 HOUR	65.5	85.8	61.7
18:00-19:00 HOUR	62.2	77.3	61.2
19:00-20:00 HOUR	62.7	80.0	61.0
20:00-21:00 HOUR	61.8	71.4	61.1
21:00-22:00 HOUR	61.5	67.8	60.8
22:00-23:00 HOUR	62.9	78.9	61.2
23:00-00:00 HOUR	61.4	73.2	60.6
00:00-01:00 HOUR	61.4	79.4	60.4
01:00-02:00 HOUR	62.8	78.3	59.8
02:00-03:00 HOUR	60.8	69.4	60.1
03:00-04:00 HOUR	64.3	83.8	61.8
04:00-05:00 HOUR	65.1	79.7	62.7
05:00-06:00 HOUR	64.8	81.7	63.0
06:00-07:00 HOUR	64.9	86.0	63.0
L <sub>Aeq</sub> 24 hours		62.8	
L <sub>Adn</sub>		69.7	

TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	MAY 8-9, 2022		
	T22AJ072-0031		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	63.9	86.1	60.4
08:00-09:00 HOUR	65.1	78.8	61.5
09:00-10:00 HOUR	68.6	94.2	60.8
10:00-11:00 HOUR	65.0	83.7	63.0
11:00-12:00 HOUR	65.9	89.1	62.8
12:00-13:00 HOUR	64.6	79.7	60.6
13:00-14:00 HOUR	61.1	70.5	60.1
14:00-15:00 HOUR	60.8	66.6	60.1
15:00-16:00 HOUR	60.6	69.3	60.0
16:00-17:00 HOUR	63.4	88.5	59.9
17:00-18:00 HOUR	60.8	72.2	60.2
18:00-19:00 HOUR	60.9	67.4	60.2
19:00-20:00 HOUR	60.7	66.4	60.2
20:00-21:00 HOUR	62.3	81.0	60.3
21:00-22:00 HOUR	60.6	65.3	60.2
22:00-23:00 HOUR	61.1	64.8	60.4
23:00-00:00 HOUR	60.8	67.3	60.2
00:00-01:00 HOUR	60.5	65.4	60.1
01:00-02:00 HOUR	60.9	66.2	60.3
02:00-03:00 HOUR	60.7	63.1	60.2
03:00-04:00 HOUR	60.7	65.4	60.2
04:00-05:00 HOUR	60.8	66.5	60.3
05:00-06:00 HOUR	60.7	64.3	60.3
06:00-07:00 HOUR	60.7	62.9	60.3
L <sub>Aeq</sub> 24 hours		62.8	
L <sub>Adn</sub>		67.7	



TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	MAY 9-10, 2022		
	T22AJ072-0032		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	61.1	64.1	60.5
08:00-09:00 HOUR	61.3	65.4	60.7
09:00-10:00 HOUR	61.1	66.6	60.6
10:00-11:00 HOUR	60.9	65.7	60.3
11:00-12:00 HOUR	60.7	72.9	60.1
12:00-13:00 HOUR	62.2	79.4	60.4
13:00-14:00 HOUR	61.1	73.4	60.4
14:00-15:00 HOUR	61.1	76.2	60.3
15:00-16:00 HOUR	63.3	79.9	60.4
16:00-17:00 HOUR	62.2	84.2	60.5
17:00-18:00 HOUR	61.1	72.2	60.3
18:00-19:00 HOUR	60.8	68.3	60.0
19:00-20:00 HOUR	60.5	70.1	59.6
20:00-21:00 HOUR	60.2	71.8	59.3
21:00-22:00 HOUR	60.1	71.0	59.3
22:00-23:00 HOUR	60.7	66.6	59.6
23:00-00:00 HOUR	60.2	69.2	59.4
00:00-01:00 HOUR	61.6	72.5	60.7
01:00-02:00 HOUR	63.1	82.1	60.9
02:00-03:00 HOUR	61.8	71.4	60.7
03:00-04:00 HOUR	61.5	71.0	60.6
04:00-05:00 HOUR	62.7	79.4	60.5
05:00-06:00 HOUR	61.9	78.8	60.5
06:00-07:00 HOUR	62.4	78.0	60.7
L <sub>Aeq</sub> 24 hours		61.5	
L <sub>Adn</sub>		68.2	

TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	MAY 10-11, 2022		
	T22AJ072-0033		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	61.7	77.8	60.1
08:00-09:00 HOUR	60.5	69.7	59.7
09:00-10:00 HOUR	61.1	75.2	59.9
10:00-11:00 HOUR	62.1	79.6	60.1
11:00-12:00 HOUR	61.8	72.7	59.9
12:00-13:00 HOUR	61.1	73.6	60.1
13:00-14:00 HOUR	60.6	76.5	59.9
14:00-15:00 HOUR	60.5	70.2	59.8
15:00-16:00 HOUR	61.6	67.4	60.3
16:00-17:00 HOUR	63.9	69.4	61.3
17:00-18:00 HOUR	64.8	81.5	62.2
18:00-19:00 HOUR	63.3	68.3	61.4
19:00-20:00 HOUR	63.2	71.0	61.5
20:00-21:00 HOUR	62.3	67.3	60.6
21:00-22:00 HOUR	63.0	71.3	61.1
22:00-23:00 HOUR	63.0	69.4	61.6
23:00-00:00 HOUR	62.4	71.2	61.5
00:00-01:00 HOUR	61.9	67.0	61.1
01:00-02:00 HOUR	61.5	65.2	60.8
02:00-03:00 HOUR	61.4	64.1	60.8
03:00-04:00 HOUR	60.8	69.7	60.3
04:00-05:00 HOUR	60.8	64.8	60.3
05:00-06:00 HOUR	61.0	63.3	60.5
06:00-07:00 HOUR	62.2	82.6	60.3
L <sub>Aeq</sub> 24 hours	62.1		
L <sub>Adn</sub>	68.2		

TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	MAY 11-12, 2022		
	T22AJ072-0034		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	60.4	73.1	59.8
08:00-09:00 HOUR	61.0	72.5	60.2
09:00-10:00 HOUR	62.8	80.5	60.7
10:00-11:00 HOUR	61.1	78.8	60.2
11:00-12:00 HOUR	60.9	69.8	60.2
12:00-13:00 HOUR	61.1	73.9	60.2
13:00-14:00 HOUR	60.8	66.8	60.2
14:00-15:00 HOUR	61.4	86.4	60.3
15:00-16:00 HOUR	61.7	72.1	60.5
16:00-17:00 HOUR	60.8	71.0	60.1
17:00-18:00 HOUR	61.0	74.7	60.1
18:00-19:00 HOUR	61.9	77.8	60.2
19:00-20:00 HOUR	60.8	75.1	60.0
20:00-21:00 HOUR	60.5	67.9	59.8
21:00-22:00 HOUR	60.7	73.5	59.7
22:00-23:00 HOUR	60.2	67.8	59.7
23:00-00:00 HOUR	61.2	72.4	60.1
00:00-01:00 HOUR	67.0	75.6	60.8
01:00-02:00 HOUR	68.9	97.9	62.0
02:00-03:00 HOUR	64.3	87.3	60.8
03:00-04:00 HOUR	64.2	77.5	60.8
04:00-05:00 HOUR	62.1	80.0	60.3
05:00-06:00 HOUR	62.3	81.8	61.2
06:00-07:00 HOUR	63.2	79.4	61.5
L <sub>Aeq</sub> 24 hours		62.8	
L <sub>Adn</sub>		70.6	



TIME*	RESULT dB(A)		
	AT THE SOUTH SIDE OF PROJECT'S FENCE		
	MAY 12-13, 2022		
	T22AJ072-0035		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	61.8	74.4	61.1
08:00-09:00 HOUR	61.5	69.5	61.0
09:00-10:00 HOUR	61.7	76.7	61.1
10:00-11:00 HOUR	63.5	80.0	61.2
11:00-12:00 HOUR	62.5	73.1	60.9
12:00-13:00 HOUR	62.1	80.0	60.7
13:00-14:00 HOUR	61.8	69.6	60.8
14:00-15:00 HOUR	62.4	73.3	61.2
15:00-16:00 HOUR	63.2	69.4	61.7
16:00-17:00 HOUR	64.3	70.4	62.0
17:00-18:00 HOUR	64.6	82.6	61.3
18:00-19:00 HOUR	64.2	70.4	61.5
19:00-20:00 HOUR	63.5	70.2	60.5
20:00-21:00 HOUR	62.4	70.1	60.4
21:00-22:00 HOUR	61.9	69.3	60.4
22:00-23:00 HOUR	61.2	71.6	60.4
23:00-00:00 HOUR	61.4	67.1	60.5
00:00-01:00 HOUR	61.3	67.2	60.5
01:00-02:00 HOUR	61.1	68.8	60.3
02:00-03:00 HOUR	60.7	67.2	60.0
03:00-04:00 HOUR	61.2	68.9	60.4
04:00-05:00 HOUR	61.3	67.2	60.6
05:00-06:00 HOUR	60.8	66.2	60.1
06:00-07:00 HOUR	61.4	82.1	60.0
L <sub>Aeq</sub> 24 hours		62.3	
L <sub>Adn</sub>		67.9	

*Sila Banjongjairuk*

(MR SILA BANJONGJAIRUK)  
LABORATORY SUPERVISOR

JUNE 3, 2022

## ANALYSIS REPORT

**PROJECT NAME** : TOP SPP EXPANSION PROJECT  
**CUSTOMER NAME** : TTCL PUBLIC COMPANY LIMITED  
**ADDRESS** : 159 / 41-44 SEMMIT TOWER , 27TH - 30TH FLOOR SUKHUMVIT 21 (ASOKE) ROAD, KHLONG TOEI NUEA WATTTHANA BANGKOK 10110  
**CONTACT INFORMATION** : TEL : 09 5602 9763 e-mail : yuwadee.bch@gmail.com  
**MEASURING SOURCE** : AT THE WEST SIDE OF PROJECT'S FENCE  
**MEASURING TYPE** : AMBIENT (NOISE)  
**MEASURING DATE** : MAY 6-13, 2022  
**MEASURING TIME** : \*  
**MEASURING METHOD** : INTEGRATED SOUND LEVEL METER  
**MEASURED BY** : MR SIRAPAT JONGPHADUNGKIET

**RECEIVED DATE** : MAY 6-13, 2022  
**ANALYTICAL DATE** : MAY 6-13, 2022  
**REPORT NO.** : 2022-U040782  
**WORK NO.** : 2021-003286  
**ANALYSIS NO.** : T22AJ072-0036 - T22AJ072-0042

TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	MAY 6-7, 2022		
	T22AJ072-0036		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	68.5	76.5	68.0
08:00-09:00 HOUR	69.0	79.8	68.5
09:00-10:00 HOUR	68.9	73.8	68.4
10:00-11:00 HOUR	68.8	73.6	68.3
11:00-12:00 HOUR	68.9	72.0	68.5
12:00-13:00 HOUR	68.7	72.6	68.3
13:00-14:00 HOUR	68.6	75.7	68.2
14:00-15:00 HOUR	68.6	71.9	68.3
15:00-16:00 HOUR	68.7	70.2	68.4
16:00-17:00 HOUR	68.8	71.0	68.4
17:00-18:00 HOUR	68.9	70.2	68.5
18:00-19:00 HOUR	68.8	71.0	68.5
19:00-20:00 HOUR	68.8	71.5	68.4
20:00-21:00 HOUR	68.7	74.7	68.3
21:00-22:00 HOUR	68.6	71.7	68.2
22:00-23:00 HOUR	68.8	72.3	68.5
23:00-00:00 HOUR	68.7	70.5	68.4
00:00-01:00 HOUR	69.0	79.4	68.4
01:00-02:00 HOUR	68.8	70.1	68.4
02:00-03:00 HOUR	68.9	70.2	68.6
03:00-04:00 HOUR	68.8	70.3	68.4
04:00-05:00 HOUR	68.7	70.5	68.3
05:00-06:00 HOUR	68.6	69.7	68.2
06:00-07:00 HOUR	68.1	73.6	67.8
L <sub>Aeq</sub> 24 hours		68.7	
L <sub>Adn</sub>		75.1	



TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	MAY 7-8, 2022		
	T22AJ072-0037		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	68.3	69.7	68.0
08:00-09:00 HOUR	68.3	70.0	68.0
09:00-10:00 HOUR	68.3	70.1	68.0
10:00-11:00 HOUR	68.3	69.6	67.9
11:00-12:00 HOUR	68.3	69.5	67.9
12:00-13:00 HOUR	68.3	69.7	68.0
13:00-14:00 HOUR	68.2	69.4	67.9
14:00-15:00 HOUR	68.4	72.0	68.0
15:00-16:00 HOUR	68.4	70.2	68.0
16:00-17:00 HOUR	68.7	70.1	68.3
17:00-18:00 HOUR	68.6	70.3	68.2
18:00-19:00 HOUR	68.4	69.9	68.1
19:00-20:00 HOUR	68.5	69.9	68.1
20:00-21:00 HOUR	68.8	85.9	68.3
21:00-22:00 HOUR	68.5	70.3	68.0
22:00-23:00 HOUR	68.3	69.9	68.0
23:00-00:00 HOUR	68.2	70.2	67.8
00:00-01:00 HOUR	68.2	71.0	67.8
01:00-02:00 HOUR	68.3	69.9	67.9
02:00-03:00 HOUR	68.2	70.5	67.9
03:00-04:00 HOUR	68.1	69.8	67.7
04:00-05:00 HOUR	68.3	70.6	67.9
05:00-06:00 HOUR	68.3	70.0	67.9
06:00-07:00 HOUR	68.4	74.5	67.9
L <sub>Aeq</sub> 24 hours		68.4	
L <sub>Adn</sub>		74.7	



TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	MAY 8-9, 2022		
	T22AJ072-0038		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	68.7	78.5	67.8
08:00-09:00 HOUR	68.4	76.5	67.9
09:00-10:00 HOUR	68.4	71.5	68.0
10:00-11:00 HOUR	68.5	77.8	68.0
11:00-12:00 HOUR	68.4	75.2	68.0
12:00-13:00 HOUR	68.5	78.3	68.0
13:00-14:00 HOUR	69.3	85.8	68.0
14:00-15:00 HOUR	69.4	92.8	68.0
15:00-16:00 HOUR	69.2	84.0	67.8
16:00-17:00 HOUR	68.8	82.4	67.9
17:00-18:00 HOUR	68.8	82.6	67.7
18:00-19:00 HOUR	69.2	73.5	68.3
19:00-20:00 HOUR	69.5	78.3	68.5
20:00-21:00 HOUR	69.3	81.1	68.5
21:00-22:00 HOUR	69.0	85.7	68.4
22:00-23:00 HOUR	68.8	75.4	68.3
23:00-00:00 HOUR	69.1	79.7	68.4
00:00-01:00 HOUR	69.3	80.5	68.3
01:00-02:00 HOUR	69.0	80.7	68.3
02:00-03:00 HOUR	69.5	82.9	68.4
03:00-04:00 HOUR	69.5	82.1	68.4
04:00-05:00 HOUR	69.2	79.2	68.4
05:00-06:00 HOUR	68.9	78.4	68.6
06:00-07:00 HOUR	69.1	84.5	68.5
L <sub>Aeq</sub> 24 hours		69.0	
L <sub>Adn</sub>		75.5	

TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	MAY 9-10, 2022		
	T22AJ072-0039		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	69.2	80.9	68.5
08:00-09:00 HOUR	68.9	71.1	68.6
09:00-10:00 HOUR	69.0	75.6	68.6
10:00-11:00 HOUR	68.9	71.9	68.6
11:00-12:00 HOUR	68.8	70.9	68.5
12:00-13:00 HOUR	69.0	83.6	68.5
13:00-14:00 HOUR	68.8	70.9	68.4
14:00-15:00 HOUR	68.9	72.8	68.5
15:00-16:00 HOUR	68.9	70.8	68.5
16:00-17:00 HOUR	69.0	74.8	68.7
17:00-18:00 HOUR	69.1	70.2	68.7
18:00-19:00 HOUR	69.2	71.0	68.9
19:00-20:00 HOUR	69.1	71.2	68.7
20:00-21:00 HOUR	69.1	70.4	68.7
21:00-22:00 HOUR	69.2	78.1	68.6
22:00-23:00 HOUR	69.1	71.5	68.8
23:00-00:00 HOUR	69.1	70.8	68.8
00:00-01:00 HOUR	68.9	70.4	68.6
01:00-02:00 HOUR	69.0	70.3	68.7
02:00-03:00 HOUR	69.0	70.1	68.6
03:00-04:00 HOUR	68.6	74.8	68.2
04:00-05:00 HOUR	68.6	70.0	68.3
05:00-06:00 HOUR	68.9	70.1	68.6
06:00-07:00 HOUR	68.9	70.6	68.6
L <sub>Aeq</sub> 24 hours		69.0	
L <sub>Adn</sub>		75.3	

TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	MAY 10-11, 2022		
	T22AJ072-0040		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	68.9	70.1	68.5
08:00-09:00 HOUR	68.9	70.6	68.5
09:00-10:00 HOUR	68.9	70.8	68.6
10:00-11:00 HOUR	69.0	70.2	68.6
11:00-12:00 HOUR	68.9	70.5	68.6
12:00-13:00 HOUR	69.0	70.4	68.6
13:00-14:00 HOUR	68.9	70.4	68.6
14:00-15:00 HOUR	68.9	70.1	68.6
15:00-16:00 HOUR	68.9	70.1	68.6
16:00-17:00 HOUR	68.9	70.0	68.6
17:00-18:00 HOUR	69.0	70.0	68.7
18:00-19:00 HOUR	68.8	70.5	68.5
19:00-20:00 HOUR	68.7	69.9	68.3
20:00-21:00 HOUR	68.6	70.8	68.2
21:00-22:00 HOUR	68.7	70.0	68.3
22:00-23:00 HOUR	68.6	70.0	68.3
23:00-00:00 HOUR	68.5	85.4	67.9
00:00-01:00 HOUR	68.3	71.1	67.9
01:00-02:00 HOUR	68.1	69.2	67.8
02:00-03:00 HOUR	68.3	69.9	67.9
03:00-04:00 HOUR	68.2	73.9	67.8
04:00-05:00 HOUR	68.2	70.7	67.8
05:00-06:00 HOUR	68.5	77.0	67.9
06:00-07:00 HOUR	68.1	70.8	67.7
L <sub>Aeq</sub> 24 hours		68.7	
L <sub>Adn</sub>		74.8	



TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	MAY 11-12, 2022		
	T22AJ072-0041		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	68.2	72.0	67.8
08:00-09:00 HOUR	68.4	75.7	67.8
09:00-10:00 HOUR	68.5	77.4	68.0
10:00-11:00 HOUR	69.2	85.5	68.1
11:00-12:00 HOUR	69.1	84.5	68.0
12:00-13:00 HOUR	69.4	86.0	68.1
13:00-14:00 HOUR	69.5	85.2	68.1
14:00-15:00 HOUR	68.5	80.5	67.8
15:00-16:00 HOUR	69.3	84.6	67.8
16:00-17:00 HOUR	69.2	89.3	68.2
17:00-18:00 HOUR	68.6	70.1	68.3
18:00-19:00 HOUR	68.5	70.3	68.2
19:00-20:00 HOUR	68.6	70.0	68.3
20:00-21:00 HOUR	68.9	83.8	68.3
21:00-22:00 HOUR	68.7	71.9	68.3
22:00-23:00 HOUR	68.8	78.6	68.3
23:00-00:00 HOUR	68.8	70.0	68.5
00:00-01:00 HOUR	68.8	70.1	68.5
01:00-02:00 HOUR	68.5	72.6	68.1
02:00-03:00 HOUR	68.6	70.0	68.2
03:00-04:00 HOUR	68.5	70.0	68.2
04:00-05:00 HOUR	68.3	69.8	67.9
05:00-06:00 HOUR	68.2	69.6	67.9
06:00-07:00 HOUR	68.3	69.6	67.9
L <sub>Aeq</sub> 24 hours		68.7	
L <sub>Adn</sub>		75.0	

TIME*	RESULT dB(A)		
	AT THE WEST SIDE OF PROJECT'S FENCE		
	MAY 12-13, 2022		
	T22AJ072-0042		
	L <sub>Aeq</sub> 1 hour	L <sub>Amax</sub> 1 hour	L <sub>A90</sub> 1 hour
07:00-08:00 HOUR	68.4	70.8	68.0
08:00-09:00 HOUR	68.8	77.9	68.2
09:00-10:00 HOUR	69.0	81.1	68.2
10:00-11:00 HOUR	68.8	82.7	68.2
11:00-12:00 HOUR	68.9	80.7	68.2
12:00-13:00 HOUR	68.8	78.4	68.4
13:00-14:00 HOUR	69.0	79.2	68.5
14:00-15:00 HOUR	68.8	73.2	68.4
15:00-16:00 HOUR	69.0	81.8	68.4
16:00-17:00 HOUR	68.9	71.8	68.5
17:00-18:00 HOUR	68.9	82.7	68.4
18:00-19:00 HOUR	69.0	81.5	68.4
19:00-20:00 HOUR	69.0	82.5	68.4
20:00-21:00 HOUR	69.1	80.0	68.5
21:00-22:00 HOUR	69.0	76.5	68.5
22:00-23:00 HOUR	68.9	70.3	68.6
23:00-00:00 HOUR	68.9	73.3	68.5
00:00-01:00 HOUR	69.0	76.1	68.5
01:00-02:00 HOUR	69.3	80.7	68.5
02:00-03:00 HOUR	69.1	78.2	68.5
03:00-04:00 HOUR	69.3	77.2	68.5
04:00-05:00 HOUR	68.5	70.5	68.1
05:00-06:00 HOUR	68.6	71.2	68.2
06:00-07:00 HOUR	68.9	71.5	68.5
L <sub>Aeq</sub> 24 hours		68.9	
L <sub>Adn</sub>		75.4	

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LABORATORY SUPERVISOR

JUNE 3, 2022